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Pentadactyl pattern of the avian wing autopodium and pyramid reduction hypothesis	Kundrát, M., Seichert, V., Russell, A.P., Smetana Jr., K.	2002	Journal of Experimental Zoology	43
Embryos of therizinosauroid theropods from the Upper Cretaceous of China: Diagnosis and analysis of ossification patterns	Kundrát, M., Cruickshank, A.R.I., Manning, T.W., Nudds, J.	2008	Acta Zoologica	40
Hox genes, digit identities and the theropod/bird transition	Galis, F., Kundrát, M., Metz, J.A.J.	2005	Journal of Experimental Zoology Part B: Molecular and Developmental Evolution	33
An old controversy solved: Bird embryos have five fingers	Galis, F., Kundrát, M., Sinervo, B.	2003	Trends in Ecology and Evolution	29

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Document title	Authors	Year	Source	Cited by
New alvarezsaurid (Dinosauria, Theropoda) from uppermost Cretaceous of north-western Patagonia with associated eggs	Agnolin, F.L., Powell, J.E., Novas, F.E., Kundrát, M.	2012	Cretaceous Research	26
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Avian-like attributes of a virtual brain model of the oviraptorid theropod Conchoraptor gracilis	Kundrát, M.	2007	Naturwissenschaften	26
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New Australian sauropods shed light on Cretaceous dinosaur palaeobiogeography Open Access	Poropat, S.F., Mannion, P.D., Upchurch, P., (...), Elliott, J.A., Elliott, D.A.	2016	Scientific Reports	24
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Primary chondrification foci in the wing basipodium of struthio camelus with comments on interpretation of autopodial elements in crocodilia and aves	Kundrát, M.	2009	Journal of Experimental Zoology Part B: Molecular and Developmental Evolution	23
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Cranial pneumatization and auditory perceptions of the oviraptorid dinosaur Conchoraptor gracilis (Theropoda, Maniraptora) from the Late Cretaceous of Mongolia	Kundrát, M., Janáček, J.	2007	Naturwissenschaften	21
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A new large pterosaur from the Late Cretaceous of Patagonia	Novas, F.E., Kundrat, M., Agnolin, F.L., (...), Arriagada, A., Chafrat, P.	2012	Journal of Vertebrate Paleontology	9
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Exceptionally prolonged tooth formation in elasmosaurid plesiosaurians Open Access	Kear, B.P., Larsson, D., Lindgren, J., Kundrát, M.	2017	PLoS ONE	7
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A New Troodontid Dinosaur ( <i>Liaoningvenator curriei</i> gen. et sp. nov.) from the Early Cretaceous Yixian Formation in Western Liaoning Province	Shen, C.-Z., Zhao, B., Gao, C.-L., Lü, J.-C., Kundrát, M.	2017	Acta Geoscientica Sinica	6
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Evidence of egg diversity in squamate evolution from cretaceous anguimorph embryos Open Access	Fernandez, V., Buffetaut, E., Suteethorn, V., (...), Tafforeau, P., Kundrát, M.	2015	PLoS ONE	6
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HNK-1 immunoreactivity during early morphogenesis of the head region in a nonmodel vertebrate, crocodile embryo	Kundrát, M.	2008	Naturwissenschaften	6
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Inner tooth morphology of <i>Homo erectus</i> from Zhoukoudian. New evidence from an old collection housed at Uppsala University, Sweden	Zanolli, C., Pan, L., Dumoncel, J., (...), Schrenk, F., Tuniz, C.	2018	Journal of Human Evolution	5
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A New Troodontid Dinosaur from the Lower Cretaceous Yixian Formation of Liaoning Province, China	Shen, C., LÜ, J., Liu, S., (...), Brusatte, S.L., Gao, H.	2017 Acta Geologica Sinica	5
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Development of transient head cavities during early organogenesis of the Nile Crocodile ( <i>Crocodylus niloticus</i> )	Kundrát, M., Janáček, J., Martin, S.	2009 Journal of Morphology	5
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## Citations: 429

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### PEER-REVIEWED (INVITED) BOOK CHAPTER:

1. 2010 – **KUNDRÁT, M.** **Phenotypic and geographic diversity of the European lesser panda *Parailurus*.** In *Red Panda – Biology and Conservation of the First Panda* (ed. A. R. Glatston), 61–88, Elsevier, Academic Press: Amsterdam, Boston, Heidelberg, London, New York, Oxford, Paris, San Diego, San Francisco, Singapore, Sydney, Tokyo.

#### Citations: 1

- Smith K, Czaplewski N, Cifelli RL 2016. Middle Miocene carnivorans from the Monarch Mill Formation, Nevada. *Acta Palaeontologica Polonica* 61(1): 231–252.

### PEER-REVIEWED PUBLICATIONS:

1. 2018 – KVASILOVA, A., GREGOROVICOVA, M., **KUNDRÁT, M.**, SEDMERA, D. **HNK-1 in morphological study of development of the cardiac conducting system in selected groups of Sauropsida.** *The Anatomical Record* 302(1): 69–82.

#### Citations: 1

- Wessels A. 2018. The state of cardiovascular developmental biology is strong - Honoring Dr. Roger Markwald and his seminal contributions to the field. *The Anatomical Record* 302(1): 14–18.

2. 2018 – ZANOLLI, C., PAN, L., DUMONCEL, J., KULLMER, O., **KUNDRÁT, M.**, LIU, W., MACCHIARELLI, R., MANCINI, L., SCHRENK, F., TUNIZ, C. **Inner tooth morphology of *Homo erectus* from Zhoukoudian. New evidence from an old collection housed at Uppsala University, Sweden.** *Journal of Human Evolution* 116: 1–13.

#### Citations: 1

- García-Campos, C; Martinón-Torres, M; Martín-Francés, L; Modesto-Mata, M; Martínez de Pinillos, M; Arsuaga, JL; Bermúdez de Castro, J. 2018. Enamel and dentine dimensions of the Pleistocene hominins from Atapuerca (Burgos, Spain): A comparative study of canine teethProportions d'émail et de dentine des dents des hominines pléistocènes d'Atapuerca (Burgos, Espagne) : étude comparative des canines. *Comptes Rendus Palevol. Human Palaeontology and Prehistory*. DOI : 10.1016/j.crpv.2018.06.004.

3. 2017 – SHEN, C., LÜ, J., LIU, S., **KUNDRÁT, M.**, BRUSATTE, S. L., GAO, C. **A new troodontid dinosaur from the Lower Cretaceous Yixian Formation of Liaoning Province, China.** *Acta Geologica Sinica* 91(3): 763–780.

#### Citations: 4

- Guo X, Xu L, Jia S 2018. Morphological and phylogenetic study based on new materials of anchiornis huxleyi (Dinosauria, Theropoda) from Jianchang, Western Liaoning, China. *Acta Geologica Sinica* 92(1): 1–15.

- Yin Y-L, Pei R, Zhou C-F 2018. Cranial morphology of *Sinovenator changii* (Theropoda: Troodontidae) on the new material from the Yixian Formation of western Liaoning, China. *PeerJ* 6: e4977.

- Gianechini FA, Makovicky PJ, Pesteguía S, Cerda I 2018. Postcranial skeletal anatomy of the holotype and referred specimens of *Buitreraptor gonzalezorum* Makovicky, Pesteguía and

Agnolín 2005 (Theropoda, Dromaeosauridae), from the Late Cretaceous of Patagonia. *PeerJ* 6: e4558

Wang Q, Li YG, Zhu XF, Fang KY, Wang XL 2018. New ootype prasmatoolithids from the Late Cretaceous, Laiyang Basin and its significance. *Vertebrata PalAsiatica* 56(3): 264–272

4. 2017 – SHEN, C., ZHAO, B., GAO, C., LÜ, J., **KUNDRÁT, M.** A new troodontid dinosaur (*Liaoningvenator curriei* gen. et sp. nov.) from the Early Cretaceous Yixian Formation in western Liaoning province. *Acta Geoscientica Sinica* 38: 359-371.

#### Citations: 5

Rauhut OWM, Foth C, Tischlinger H 2018. The oldest *Archaeopteryx* (Theropoda: Avialiae): a new specimen from the Kimmeridgian/Tithonian boundary of Schamhaupten, Bavaria. *PeerJ* 6: e4191.

Motta MJ, Egli FB, Novas FE 2018. Tail anatomy of *Buitreraptor gonzalezorum* (Theropoda, unenlagiidae) and comparisons with other basal paravians. *Cretaceous Research* 83: 168-181.

Yin Y-L, Pei R, Zhou C-F 2018. Cranial morphology of *Sinovenator changii* (Theropoda: Troodontidae) on the new material from the Yixian Formation of western Liaoning, China. *PeerJ* 6: e4977.

Gianechini FA, Makovicky PJ, Pesteguía S, Cerda I 2018. Postcranial skeletal anatomy of the holotype and referred specimens of *Buitreraptor gonzalezorum* Makovicky, Pesteguía and Agnolín 2005 (Theropoda, Dromaeosauridae), from the Late Cretaceous of Patagonia. *PeerJ* 6: e4558

Wang Q, Li YG, Zhu XF, Fang KY, Wang XL 2018. New ootype prasmatoolithids from the Late Cretaceous, Laiyang Basin and its significance. *Vertebrata PalAsiatica* 56(3): 264–272

5. 2017 – LÜ, J., LI, G., **KUNDRÁT, M.**, LEE Y-N., SUN, Z., KOBAYASHI, Y., SHEN, C., TENG, F., LIU, H. High diversity of the Ganzhou Oviraptorid Fauna increased by a new “cassowary-like” crested species. *Scientific Reports* 7: 6393.

#### Citations: 2

Mayr G. 2018. A survey of casques, frontal humps, and other extravagant bony cranial protuberances in birds. *Zoomorphology* 137(3): 457-472.

Ma W, Wang J, Pittman M, Tan Q, Tan L, Gue B, Xu X 2017. Functional anatomy of a giant toothless mandible from a bird-like dinosaur: *Gigantoraptor* and the evolution of the oviraptorosaurian jaw. *Scientific Reports* 7: 16247.

6. 2017 – PU, H., CURRIE, P. J., LÜ, J., ZELENITSKY, D. K., CARPENTER, K., LI, X., KOPPELHUS, E. B., JIA, S., XIAO, L., CHUANG, H., LI, T., **KUNDRÁT, M.**, SHEN, C. Perinate and eggs of a giant caenagnathid dinosaur from the Late Cretaceous of central China. *Nature Communications* 8: 14952.

#### Citations: 4

Balanoff AM, Norell MA, Hogan AVC, Bever GS 2018. The endocranial cavity of oviraptorosaur dinosaurs and the increasingly complex, deep history of the avian brain. *Brain, Behavior and Evolution* 91: 125-135.

Norell MA, Balanoff AM, Barta DE, Erickson GM 2018. A second specimen of Citipati osmolskae associated with a nest of eggs from Ukhaa Tolgod, Omnogov Aimag, Mongolia. *American Museum Novitates* 3899: 1-44.

Wang S, Zhang Q, Yang R 2018. Reevaluation of the dentary structures of caenagnathid oviraptorosaurs (Dinosauria, Theropoda). *Scientific Reports* 391: -. DOI: 10.1038/s41598-017-18703-1.

Wiemann J, Yang T-R, Sander PN, Schneider M, Engeser M, Kath-Schorr S, Müller CE, Sander PM. 2017. Dinosaur origin of egg color: oviraptors laid blue-green eggs. *PeerJ* 5: e3706.

7. 2017 – KEAR, B., LARRSON, D., LINDGREN, J., **KUNDRÁT, M.** Exceptionally prolonged tooth formation in elasmosaurid plesiosaurians. *Plos ONE* 12(2): e0172759.

**Citations: 3**

- Waugh DA, Suydam RS, Ortiz JD, Thewissen JGM. 2018. Validation of growth layer group (GLG) depositional rate using daily incremental growth lines in the dentin of beluga (*Delphinapterus leucas* (Pallas, 1776)) teeth. *PLoS ONE* 13(1):e0190498.
- Cau A, Beyrand V, Voeten DFAE, Fernández V, Tafforeau P, Stein K, Barsbold R, Tsogtbaatar K, Currie PJ, Godefroit P. 2017. Synchrotron scanning reveals amphibious ecomorphology in a new clade of bird-like dinosaurs. *Nature* 552: 395-399.
- Sachs S, Hornung JJ, Scheer U 2017. Mosasaurid and plesiosaurian remains from marginal facies of the lower Campanian (Upper Cretaceous) Bottrop and Vaals formations of western Germany. *Cretaceous Research* x:x-x. DOI: 10.1016/j.cretres.2017.05.026

8. 2016 – POROPAT, S. F., MANNION, F., UPCHURCH, P. D., HOCKNULL, P., KEAR, B. P., **KUNDRÁT, M.**, TISCHLER, T. R., SLOAN, T., SINAPSIUS, G. H., ELLIOT, J. A., ELLIOT, D. A. **New Australian sauropod dinosaurs elucidate Cretaceous biogeography.** *Scientific Reports* 6: 34467.

**Citations: 24**

- Bell PR, Fanti F, Hart LJ, Milan LA, Craven SJ, Brougham T, Smith E 2019. Revised geology, age, and vertebrate diversity of the dinosaur-bearing Griman Creek Formation (Cenomanian), Lightning Ridge, New South Wales, Australia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 514(15): 655-671.
- Mocho P, Pérez-García A, Martín Jiménez M, Ortega F 2019. New remains from the Spanish Cenomanian shade light on the Gondwanan origin of European Early Cretaceous titanosaurs. *Cretaceous Research*. DOI: 10.1016/j.cretres.2018.09.016.
- Marsola JCA, Ferreira GS, Langer MC, Button DJ, Butler RJ 2018. Increases in sampling support the southern Gondwanan hypothesis for the origin of dinosaurs. *Palaeontology*. DOI: 10.1111/pala.12411
- Bell PR, Herne MC, Brougham T, Smith ET 2018. Ornithopod diversity in the Griman Creek Formation (Cenomanian), New South Wales, Australia. *PerJ – Life & Environment* 6: e6008.
- Lee MSY, Baron MG, Norman DB, Barrett PM 2018. Dynamic biogeographic models and dinosaur origins. *Earth and Environmental Science Transactions of The Royal Society of Edinburgh*. DOI: 10.1017/S1755691018000920
- Tennant JP, Alessandro Chiarenza A, Baron M 2018. How has our knowledge of dinosaur diversity through geologic time changed through research history? *PeerJ* 6: e4417.
- Balano MA, Barrios F, Holgado B, Coria RA 2018. New titanosauria (Dinosauria, Sauropoda) remains from the Upper Cretaceous (Plottier Fm) of the southern Neuquén Basin (Patagonia, Argentina). *Journal of Iberian Geology* 44(1): 75-84.
- Díaz VD, García G, Pereda-Suberbiola X, Jentgen-Ceschino B, Stein K, Godefroit P, Valentín X 2018. The titanosaurian dinosaur *Atsinganosaurus velauciensis* (Sauropoda) from the Upper Cretaceous of southern France: new material, phylogenetic affinities, and palaeobiogeographical implications. *Cretaceous Research* 91: 429-456.
- Martín Hechenleitner E, Fiorelli LE, Martinelli AG, Grellet-Tinner G 2018. Titanosaur dinosaurs from the Upper Cretaceous of La Rioja province, NW Argentina. *Cretaceous Research* 85: 42-59.
- Fletcher TL, Moss PT, Salisbury SW 2018. The palaeoenvironment of the Upper Cretaceous (Cenomanian-Turonian) portion of the Winton Formation, Queensland, Australia. *PeerJ* 6: e5513.
- Bellardini F, Baiano MA, Barrios F, Holgado B, Coria RA. 2018. New Titanosauria (Dinosauria, Sauropoda) remains from the Upper Cretaceous (Plottier Fm) of the southern Neuquén Basin (Patagonia, Argentina). *Journal of Iberian Geology*. DOI: 10.1007/s41513-018-0047-5

- Hechenleitner EM, Fiorelli LE, Martinelli AG, Grellet-Tinner G. 2018. Titanosaur dinosaurs from the Upper Cretaceous of La Rioja province, NW Argentina. *Cretaceous Research* 85:42-59.
- Lam AR, Stigall AL, Matzke NJ. 2018. Dispersal in the Ordovician: Speciation patterns and paleobiogeographic analyses of brachiopods and trilobites. *Palaeogeography, Palaeoclimatology, Palaeoecology* 489: 147-165.
- Wu Y, You HL, Li XQ 2017. Dinosaur-associated Poaceae epidermis and phytoliths from the Cretaceous of China. *National Science Review* nwx145: DOI: 10.1093/nsr/nwx145.
- Fernández-Baldor FT, Canudo JI, Huerta P, Moreno-Azanza M, Montero D. 2017. Europatitan eastwoodi, a new sauropod from the lower Cretaceous of Iberia in the initial radiation of somphospondylans in Laurasia. *PeerJ* 27(5): e3409.
- Carvalho IdeS, Salgado L, Lindoso RM, de Araújo-Júnior HI, Nogueira FCC, Soares JA. 2017. A new basal titanosaur (Dinosauria, Sauropoda) from the Lower Cretaceous of Brazil. *Journal of South American Earth Sciences* 75: 74-84.
- Royo-Torres R, Fuentes C, Mejide M, Mejide-Fuentes F, Mejide-Fuentes M. 2017. A new Brachiosauridae sauropod dinosaur from the lower Cretaceous of Europe (Soria Province, Spain). *Cretaceous Research* 80: 38-55.
- Torcida Fernández-Baldor F, Canudo JI, Huerta P, Moreno-Azanza M, Montero D. 2017. *Europatitan eastwoodi*, a new sauropod from the lower Cretaceous of Iberia in the initial radiation of somphospondylans in Laurasia. *PeerJ* 5:e3409
- Tennant J, Chiarenza, AA. 2017. How has our knowledge of dinosaur diversity through geologic time changed through research history? *PaleoRxiv* yab83.
- Tucker RT, Roberts EM, Darlington V, Salisbury SW. 2017. Investigating the stratigraphy and palaeoenvironments for a suite of newly discovered mid-Cretaceous vertebrate fossil-localities in the Winton Formation, Queensland, Australia. *Sedimentary Geology* 358: 210-229.
- Voegeli KK, Lamanna MC, Lacovara KJ. 2017. Osteology of the dorsal vertebrae of the giant titanosaurian sauropod Dreadnoughtus schrani from the Late Cretaceous of Argentina. *Acta Palaeontologica Polonica* 62: 667–681.
- Mocho P, Pérez-García A, Gasulla JM, Ortega F. 2017. High sauropod diversity in the upper Barremian Arcillas de Morella Formation (Maestrazgo Basin, Spain) revealed by a systematic review of historical material. *Journal of Iberian Geology* 43: 111-128.
- Dubois A. 2017. The need for reference specimens in zoological taxonomy and nomenclature. *Bionomina* 12: 4-38.
- Salisbury SW, Romilio A, Herne MC, Tucker RT, Nair JP 2016. The dinosaurian ichnofauna of the Lower Cretaceous (Valanginian-Barremian) Broome sandstone of the Walmadany area (James Price Point), Dampier Peninsula, Western Australia. *Journal of Vertebrate Paleontology* 36(sup1): 1-152.
9. 2016 – LÜ, J. C., KUNDRÁT, M., SHEN, C. Z. New material of the pterosaur *Gladocephaloideus* Lü et al., 2012 from the Early Cretaceous of Liaoning Province, China, with comments on its systematic position. *PLoS ONE* 11(6): e0154888.
- Citations: 1**
- Bestwick J, Unwin DM, Butler RJ, Henderson DM, Purnell MA 2018. Pterosaur dietary hypotheses: a review of ideas and approaches. *Biological Reviews* 93(4): 2021-2048.
10. 2015 – LÜ, L., PU, H. Y., KOBAYASHI, Y., XU, L., CHANG, H. L., SHANG, Y. H., LIU, D., LEE, Y. N., KUNDRÁT, M., SHEN C. Z. A new oviraptorid dinosaur (Dinosauria: Oviraptorosauria) from the Late Cretaceous of Southern China and its paleobiogeographical implications. *Scientific Reports* 5: 11490.
- Citations: 7**

- Funston GF, Mendonca SE, Currie PJ, Barsbold R. 2017. Oviraptorosaur anatomy, diversity and ecology in the Nemegt Basin. *Palaeogeography, Palaeoclimatology, Palaeoecology* x: -, DOI: 10.1016/j.palaeo.2017.10.023.
- Smith-Paredes D, Núñez-León D, Soto-Acuña S, O'Connor J, Botelho JF, Vargas AO. 2018. Dinosaur ossification centres in embryonic birds uncover developmental evolution of the skull. *Nature Ecology & Evolution* 2:1966–1973.
- Ma W, Wang J, Pittman M, Tan Q, Tan L, Gue B, Xu X 2017. Functional anatomy of a giant toothless mandible from a bird-like dinosaur: *Gigantoraptor* and the evolution of the oviraptorosaurian jaw. *Scientific Reports* 7: 16247.
- Amiot R, Wang X, Wang S, Lécuyer C, Mazin J-M, Mo J, Flandrois J-P, Fourel F, Wang X, Xu X, Zhang Z, Zhou Z. 2017. δ18C-derived incubation temperatures of oviraptorosau eggs. *Palaeontology* 60: 633-647.
- Wang S, Zhang S, Sullivan C, Xu X. 2016. Elongatoolithid eggs containing oviraptorid (Theropoda, Oviraptorosauria) embryos from the Upper Cretaceous of Southern China. *BMC Evolutionary Biology* 16: 67.
- Tsuihiji T, Watabe M, Tsogtbaatar K, Barsbold R 2016. Dentaries of a caenagnathid (Dinosauria: Theropoda) from the Nemegt Formation of the Gobi Desert in Mongolia. *Cretaceous Research* 63: 148-153.
- Wang S, Zhang S, Sullivan C, Xu X 2016. Elongatoolithid eggs containing oviraptorid (Theropoda, Oviraptorosauria) embryos from the Upper Cretaceous of Southern China. *BMC Evolutionary Biology* 16: 67.

**11. 2015 – FERNANDEZ, V., BUFFETAUT, E., SUTEETHORN, V., RAGE, J-C., TAFFOREAU, P., KUNDRÁT, M. (corresponding author). Evidence of egg diversity in squamate evolution from Cretaceous anguimorph embryos. *PLoS ONE* 10(7): e0128610.**

#### Citations: 7

- Deeming DC, Mayr G 2018. Pelvis morphology suggests that early Mesozoic birds were too heavy to contact incubate their eggs. *Journal of Evolutionary Biology* 31(5): 701-709.
- Choi S, Han S, Kim N-H, Lee Y-N 2018. A comparative study of eggshells of Gekkota with morphological, chemical compositional and crystallographic approaches and its evolutionary implications. *PLoS ONE* 13(6): e0199496.
- Daza JD, Bauer AM, Stanley EL, Bolet A, Dickson B, Losos JB 2018. An enigmatic miniaturized and attenuate whole lizard from the mid-Cretaceous amber of Myanmar. *Breviora* 563: 1-18.
- Prondvai E, Botfalvai G, Stein K, Szentesi Z, Ösi A. 2017. Collection of the thinnest: a unique eggshell assemblage from the Late Cretaceous vertebrate locality of Iharkút (Hungary). *Central European Geology* 60: x-x. DOI: 10.1556/24.60.2017.004
- Imai T, Jintasakul, Azuma Y, Noda Y, Chokchaloemwong D 2016. First confirmed fossil turtle eggshells (oogenus Testudoolithus) from the Lower Cretaceous of Thailand. *Memoir of the Fukui Prefectural Dinosaur Museum* 15: 1-6.
- Varricchio DJ, Jackson FD 2016. Reproduction in Mesozoic birds and evolution of the modern avian reproductive mode. *The Auk – Ornithological Advances* 133: 654-684.
- Evans SE 2016. The lepidosaurian ear: variations on a theme. In: Clack JA, Fay RR and Popper AN (eds.), **Evolution of the Vertebrate Ear – Evidence from the Fossil Record**. Springer Handbook of Auditory Research, Vol. 59, pp. 245-284

**12. 2015 – LÜ, J., PU, H., XEI, X., XU, L., CHANG, H., KUNDRÁT, M. A new rhamphorhynchid pterosaur (Pterosauria) from Jurassic deposits of Liaoning Province, China. *Zootaxa* 3911(1): 119-129.**

#### Citations: 1

- Zhou ZH, Wang Y 2017. Vertebrate assemblages of the Jurassic Yanliao Biota and the Early Cretaceous Jehol Biota: comparisons and implications. *Palaeoworld* 26: 241-252.

- 13. 2015 – KUNDRÁT, M. (corresponding author), WU, L., EBBESTAD, J. O., AHLBERG, P., HAOWEN, T. New tooth of Peking Man recognized in laboratory at Uppsala University. *Acta Anthropologica Sinica* 34(1): 131-136.**

**Citations: 1**

Lindkvist M 2016. The importance of Curation: a case-study of the subfossil lemur collection in the Museum of Evolution, Uppsala University. Examensarbete vid Institutionen för geovetenskaper.

- 14. 2015 – KUNDRÁT, M., SOTÁK, J., AHLBERG, P. E. A stem-group upupiform bird from the Early Oligocene of the Central Western Carpathians. *Acta Zoologica***

**Citations: 3**

Bochenski Z, Tomek T, Swidnicka E 2016. A tiny short-legged bird from the early Oligocene of Poland. *Geologica Carpathica* 67(5): 463-469.

Fejfar O, Heintz E, Ďurišová A, Sabol M 2016. Pliocene vertebrates from Ivanovce and Hajnáčka (Slovakia). X. Cervidae. *Neues Jahrbuch für Geologie und Paläontologie – Abhandlungen* 281(1): 1-33.

Tomek T, Bochenski ZM, Wertz K, Swidnicka E 2014. A new genus and species of a galliform bird from the Oligocene of Poland. *Palaeontologia Electronica* 17(3): 38A.

- 15. 2012 – NOVAS, F. E., KUNDRÁT, M., AGNOLÍN, F. L., EZCURRA, M., ISASI, M., ECHARRI, S., ARRAIGADA, A., CHAFRAT, P., AHLBERG, P. E. A new large pterosaur from the Late Cretaceous of South America. *Journal of Vertebrate Paleontology*.**

**Citations: 10**

Longrich NR, Martill DM, Andres B 2018. Late Maastrichtian pterosaurs from North Africa and mass extinction of Pterosauria at the Cretaceous-Paleogene boundary. *PLOS Biology* 16(4): e1002627.

Vullo R, Garcia G, Godefroit P, Cincotta A, Valentin X 2018. *Mistralazhdarcho maggii*, gen. et sp. nov., a new azhdarchid pterosaur from the Upper Cretaceous of southeastern France. *Journal of Vertebrate Paleontology*. DOI:10.1080/02724634.2018.1502670.

Vremir M, Dyke G, Csiki-Sava Z, Grigorescu D, Buffetaut E 2018. Partial mandible of a giant pterosaur from the uppermost Cretaceous (Maastrichtian) of the Hateg Basin, Romania. *Lethaia* 51(4): 493-503.

Kellner AWA, Calvo JO. 2017. New azhdarchoid pterosaur (Pterosauria, Pterodactyloidea) with an unusual lower jaw from the Portezuelo Formation (Upper Cretaceous), Neuquén Group, Patagonia, Argentina. *Anais de Academia Brasileira de Ciências* 89: x-x. DOI: 10.1590/0001-376520170478

David LDO, Riga BJG, Kellner AWA. 2017. Discovery of the largest pterosaur from South America. *Cretaceous Research* x:x-x. DOI: 10.1016/j.cretres.2017.10.004

Lawver DR, Jin X, Jackson FD, Wang Q 2016. An avian egg from the Lower Cretaceous (Albian) Liangtoutang Formation of Zhejiang Province, China. *Journal of Vertebrate Paleontology* 36(3): e1100631.

Upchurch P, Andres B, Butler RJ, Barrett PM 2014. An analysis of pterosaurian biogeography: implications for the evolutionary history and fossil record quality of the first flying vertebrates. *Historical Biology: An International Journal of Paleobiology* 27(6): 697-717.

Averianov A 2014. Review of taxonomy, geographic distribution, and paleoenvironments of Azhdarchidae (Pterosauria). *ZooKeys* 432: 1-104

Kellner AWA, Campos DA, Sayão JM, Saraiva AAF, Rodrigues T, Oliveira G, Cruz LA, Costa FR, Silva HP, Ferreira JS 2013. The largest flying reptile from Gondwana: a new specimen of *Tropeognathus* cf. *T. mesembrinus* Wellnhofer, 1987 (Pterodactyloidea, Anhangueridae) and other large pterosaurs from the Romualdo Formation, Lower Cretaceous, Brazil. *Anais da Academia Brasileira de Ciências* 85(1): 113-135.

Dalla Vecchia FM, Riera V, Oms JO, Dinarès-Turell J, Gaete R, Galobart A 2013. The last pterosaurs: first record from the Uppermost Maastrichtian of the Tremp syncline (Northern Spain). *Acta Geologica Sinica* 87(5): 1198-1227.

**16. 2012 – AGNOLÍN, F. L., POWELL, J. E., NOVAS, F. E., KUNDRÁT, M. New alvarezsaurid (Dinosauria, Theropoda) from Latest Cretaceous of North-western Patagonia with associated eggs. *Cretaceous Research* 35:33-56.**

**Citations: 30**

- Tanaka K, Zelenitsky DK, Therrien F, Kobayashi Y 2018. From non-avian type dinosaurs to birds, transition of nesting method and nesting behavior. *Journal of the Japan Bird Society* 67(1): 25-40.
- Yang T, Chen Y, Wiemann J, Spiering B, Sander PM 2018. Fossil eggshell cuticle elucidates dinosaur nesting ecology. *PeerJ* 6: e5144.
- Fernández MS, Salgado L 2018. The youngest egg of avian affinities from the Cretaceous of Patagonia. *Historical Biology*. DOI: 10.1080/08912963.2018.1470622
- Jackson FD, Zheng W, Imai T, Jackson RA, Jin X 2018. Fossil eggs associated with a neoceratopsian (*Mosaiceratops azumai*) from the Upper Cretaceous Xiaguan Formation, Henan Province, China. *Cretaceous Research* 91: 457-467.
- Xu X, Choiniere J, Tan Q, Benson RBJ, Clark J, Sullivan C, Zhao Q, Han F, Ma Q, He Y, Wang S, Xing H, Tan L 2018. Two early Cretaceous fossils document transitional stages in alvarezsaurian dinosaur evolution. *Current Biology* 28(17): 2853-2860.e3.
- Bravo AM, Sevilla P, Barroso-Barcenilla F. 2018. Avian and crocodilian eggshells from the upper Barremian site of Vadillos-1 (Lower Cretaceous, Cuenca province, Spain). *Cretaceous Research* 85:28-41.
- He Q, Zhang S, Xing L, Jiang Q, Wang X, Pan Z, Hu Y. 2017. A new species of Similifaveoloolithidae from the Xuining Basin, Late Cretaceous of Anhui, China. *Historical Biology* x:x-x. DOI: 10.1080/08912963.2017.1351440
- Varricchio DJ, Jackson FD 2017. Paleoecological implications of two closely associated egg types from the Upper Cretaceous St. Mary River Formation, Montana. *Cretaceous Research* 79:182-190.
- Prondvai E, Botfalvai G, Stein K, Szentesi Z, Ösi A. 2017. Collection of the thinnest: a unique eggshell assemblage from the Late Cretaceous vertebrate locality of Iharkút (Hungary). *Central European Geology* 60: x-x. DOI: 10.1556/24.60.2017.004
- Vila B, Sellés AG, Beetschen J-C. 2017. The controversial Les Labadous eggshells: A new and peculiar dromaeosaurid (Dinosauria: Theropoda) ootype from the Upper Cretaceous of Europe. *Cretaceous Research* 72: 117-123.
- Averianov A, Sues H-D. 2017. The oldest record of Alvarezsauridae (Dinosauria: Theropoda) in the Northern Hemisphere. *PLOS ONE* 12: e0186254.
- Longrich NR, Pereda-Suárez X, Jalil N-E, Khaldoune F, Jourani E 2017. An abelisaurid from the latest Cretaceous (late Maastrichtian) of Morocco, North Africa. *Cretaceous Research* : -. doi.org/10.1016/j.cretres.2017.03.021
- Salisbury SW, Romilio A, Herne MC, Tucker RT, Nair JP 2016. The dinosaurian ichnofauna of the Lower Cretaceous (Valanginian-Barremian) Broome sandstone of the Walmadany area (James Price Point), Dampier Peninsula, Western Australia. *Journal of Vertebrate Paleontology* 36(sup1): 1-152.
- Varricchio DJ, Jackson FD 2016. Reproduction in Mesozoic birds and evolution of the modern avian reproductive mode. *The Auk – Ornithological Advances* 133: 654-684.
- Vila B, Dellés AG, Beetschen J-C 2017. The controversial Les Labadous eggshells: A new and peculiar dromaeosaurid (Dinosauria: Theropoda) ootype from the Upper Cretaceous of Europe. *Cretaceous Research* 72: 117-123.
- Fernández MS 2016. Important contributions of the South American record to the understanding of dinosaur reproduction. In: Khosla A and Lucas SG (eds.), *Cretaceous Period Biotic Diversity and Biogeography*. New Mexico Museum of Natural History and Science Bulletin 71, pp. 91-106.

- Lawver DR, Jin X, Jackson FD, Wang Q 2016. An avian egg from the Lower Cretaceous (Albian) Liangtoutang Formation of Zhejiang Province, China. *Journal of Vertebrate Paleontology* 36(3): e1100631.
- Sellés AG, Galobart A 2016. Reassessing the endemic European Upper Cretaceous dinosaur egg *Cairanoolithus*. *Historical Biology: An International Journal of Paleobiology* 28(5):583-596.
- Pittman M, Xu X, Stiegler JB 2015. The taxonomy of a new parvicursorine alvarezsauroid specimen IVPP V20341 (Dinosauria: Theropoda) from the Upper Cretaceous Wulansuhai Formation of Bayan Mandahu, Inner Mongolia, China. *PeerJ* 3:e986.
- Varricchio DJ, Balanoff AM, Norell MA 2015. Reidentification of Avian Embryonic Remains from the Cretaceous of Mongolia. *PLoS ONE* 10(6): e0128458.
- Xu X, Zhou Z, Dudley R, Mackem S, Chuong CM, Erickson GM, Varricchio DJ 2014. An integrative approach to understanding bird origins. *Science* 346(6215): 1253293.
- Upchurch P, Andres B, Butler RJ, Barrett PM. 2014. An analysis of pterosaurian biogeography: implications for the evolutionary history and fossil record quality of the first flying vertebrates. *Historical Biology: An International Journal of Paleobiology* 27(6): 697-717. doi: /10.1080/08912963.2014.939077
- Choiniere JN, Clark JM, Norell MA, Xu X 2014. Cranial osteology of *Haplocheirus sollers* Choiniere et al., 2010 (Theropoda: Alvarezsauroidea). *American Museum Novitates* 3816: 1-44.
- Imai T, Azuma Y 2015. The oldest known avian eggshell, *Plagioolithus fukuiensis*, from the Lower Cretaceous (Upper Barremian) Kitadani Formation, Fukui, Japan. *Historical Biology* 27(8): 1090-1097.
- Averianov A 2014. Review of taxonomy, geographic distribution, and paleoenvironments of Azhdarchidae (Pterosauria). *ZooKeys* 432: 1-104
- Moreno-Azanza M, Canudo JI, Gasca JM 2014. Unusual theropod eggshells from the Early Cretaceous Blesa Formation of the Iberian Range, Spain. *Acta Palaeontologica Polonica* 59(4): 843–854.
- Miller WB 2013. *The Microcosm Within: Evolution and Extinction in the Hologenome*. Universal-Publishers Boca Raton, USA.
- Jackson FD, Varricchio DJ, Corsini JA 2013. Avian eggs from the Eocene Willwood and Chadron formations of Wyoming and Nebraska. *Journal of Vertebrate Paleontology* 33(5): 1190-1201.
- Choiniere JN, Forster CA, de Klerk WJ 2012. New information on *Nqwebasaurus thwazi*, a coelurosaurian theropod from the early Cretaceous Kirkwood Formation in South Africa. *Journal of African Earth Sciences* 71-72: 1-17.
- Makovicky PJ, Apesteguia S, Gianechini FA 2012. A new coelurosaurian theropod from the La Buitrera fossil locality of Río Negro, Argentina. *Fieldiana Life and Earth Sciences* 5: 90-98.

**17. 2011 – KUNDRÁT, M. Phenotypic and geographic diversity of the European lesser panda *Parailurus*.** In *Red Panda – Biology and Conservation of the First Panda* (ed. A. R. Glatston), 61-88, Elsevier, Academic Press: Boston, Heidelberg, London, New York, Oxford, Paris, San Diego, San Francisco, Singapore, Sydney, Tokyo.

**Citations: 1**

- Smith K, Czaplewski N, Cifelli RL 2016. Middle Miocene carnivorans from the Monarch Mill Formation, Nevada. *Acta Palaeontologica Polonica* 61(1) 231-252.

**18. 2009 – KUNDRÁT, M. Heterochronic shift between early organogenesis and migration of cephalic neural crest cells in the two divergent evolutionary archosaur phenotypes: crocodile and ostrich.** *Evolution & Development* 11(5): 535-546.

**Citations: 3**

- Wakamatsu Y, Nomura T, Osumi N, Suzuki K 2014. Comparative gene expression analyses reveal heterochrony for Sox9 expression in the cranial neural crest during marsupial development. *Evolution & Development* 16(4): 197-206.

Reyes M, Zandberg K, Desmawati I, de Bellard ME 2010. Emergence and migration of trunk neural crest cells in a snake, the California Kingsnake (*Lampropeltis getula californiae*). *BMC Developmental Biology* (): -. doi: 10.1186/1471-213X-10-52

Wada N, Nohno T, Kuratani, S 2011. Dual origin of the prechordal cranium in the chicken embryo. *Developmental Biology* 356(2): 529-540.

**19. 2009 – KUNDRÁT, M., JANÁČEK, J., MARTIN, S. Development of transient head cavities during early organogenesis of the Nile Crocodile (*Crocodylus niloticus*).**

*Journal of Morphology* 270(9): 1069-1083.

**Citations: 6**

Diogo R, Ziermann JM, Molnar J, Siomava N, Abdala V. 2018. **Muscles of Chordates – Development, Homologies, and Evolution.** Boca Raton: Taylor & Francis Group. ISBN: 978-135-133-494-5

Kuratani S, Adachi N 2016. What are head cavities? – A history of studies on vertebrate head segmentation. *Zoological Science* 33(3): 213-228.

Suzuki DG, Fukumoto Y, Yoshimura M, Yamazaki Y, Kosaka J, Kuratani S, Wada H 2016. Comparative morphology and development of extra-ocular muscles in the lamprey and gnathostomes reveal the ancestral state and developmental patterns of the vertebrate head. *Zoological Letters* 2:10. doi:10.1186/s40851-016-0046-3.

Diogo R, Wood B 2016. Origin, development, and evolution of primate muscles, with notes on human anatomical variations and anomalies. In: Boughner JC, Rolian C (eds), **Developmental Approaches to Human Evolution.** John Wiley & Sons, Inc., pp. 167-204.

Adachi N, Kuratani S 2012. Development of head and trunk mesoderm in a dogfish, *Scyliorhinus torazame*. I. Embryology and morphology of the head cavities and related structures. *Evolution & Development* 14(3): 234-256.

Diogo R, Abdala V 2010. **Muscles of Vertebrates. Comparative Anatomy, Evolution, Homologies and Development.** Science Publishers, Enfield, USA, pp. 470.

**20. 2009 – KUNDRÁT, M., JANÁČEK, J., RUSSELL, A. P. Developmental patterns of the crocodilian and avian columella auris: Reappraisal of interpretation of the derivation of the dorsal hyoid arch in archosaurian tetrapods.** *Zoological Journal of the Linnean Society* 156(2): 384-410.

**Citations: 2**

Diogo R, Ziermann JM, Molnar J, Siomava N, Abdala V 2018. Muscle of Chordates. Development, Homologies, and Evolution. CRC Press. 650 pp.

Motani R, Ji C, Tomita T, Kelley N, Maxwell E, Jian DY, Sander PM 2013. Absence of suction feeding ichthyosaurs and its implications for Triassic mesopelagic paleoecology. *PLoS ONE* 8(12): e66075.

**21. 2009 – KUNDRÁT, M., JOSS, J., OLSSON, L. Prosencephalic neural folds give rise to neural crest cells in the Australian lungfish, *Neoceratodus forsteri*.** *Journal of Experimental Zoology (Molecular Developmental Evolution)* 312B(2): 82 -94.

**Citations: 2**

Ziermann JM, Diogo R, Noden DM 2018. Neural crest and the patterning of vertebrate craniofacial muscles. *Genesis* 56(6-7): e23097.

Kuratani S 2018. The neural crest and origin of the neurocranium in vertebrates. *Genesis* 56(6-7): e23213.

**22. 2009 – KUNDRÁT, M. Primary chondrification foci in the wing basipodium of *Struthio camelus* with comments on interpretation of autopodial elements in Crocodilia and Aves.** *Journal of Experimental Zoology (Molecular Developmental Evolution)* 312B(1): 30-41.

**Citations: 27**

- Diogo R, Ziermann JM, Molnar J, Siomava N, Abdala V. 2018. **Muscles of Chordates – Development, Homologies, and Evolution.** Boca Raton: Taylor & Francis Group. ISBN: 978-135-133-494-5
- Dakrory AI, Abu-Taira AM, Salah El-Din EY, Mohamed YB 2018. Prenatal development of the sound transmitting apparatus in different embryonic stages of *Malpolon monspesulanus* (squamata-serpentes). *Brazilian Journal of Biology* 78(4): 755-762.
- Gregorovičová M, Kvasilová A, Sedmera D. 2018. Ossification pattern in forelimbs of the Siamese Crocodile (*Crocodylus siamensis*): Similarity in ontogeny of carpus among crocodilian species. *The Anatomical Record*. DOI: 10.1002/ar.23792
- Fabrezi M, Goldberg J, Pereyra MC 2017. Morphological variation in anuran limbs: Constraints and novelties. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* B: 1–29. DOI: 10.1002/jez.b.22753
- Vieira LG, Santos ALQ, Lina FC, de Mendonça SHST, Menezes LT, Sebben A 2016. Osteology of *Melanosuchus niger* (Crocodylia: Alligatoridae) and the evolutionary evidence. *Pesquisa Veterinária Brasileira* 36(10): 1025-1044.
- Vieira LG, Santos ALQ, Lina FC, de Mendonça SHST, Menezes LT, Sebben A 2016. Ontogeny of the appendicular skeleton in *Melanosuchus niger* (Crocodylia: Alligatoridae). *Zoological Science* 33(4): 372-383.
- Tsuhiiji T, Barsbold R, Watabe M, Tsogtbaatar K, Suzuki S, Hattori S 2016. New material of a troodontid theropod (Dinosauria: Saurischia) from the Lower Cretaceous of Mongolia. *Historical Biology: An International Journal of Paleobiology* 28(1-2): 128-138.
- Carrano MT, Choiniere J 2016. New information on the forearm and manus of *Ceratosaurus nasicornis* Marsh, 1884 (Dinosauria, Theropoda), with implications for theropod forelimb evolution. *Journal of Vertebrate Paleontology* 36(2) e1054497.
- Botelho JF, Ossa-Fuentes L, Soto-Acuña S, Smith-Paredes D, Nuñez-León D, Salinas-Saavedra M, Ruiz-Flores M, Vargas AO 2014. New Developmental Evidence Clarifies the Evolution of Wrist Bones in the Dinosaur–Bird Transition. *PLoS Biology* 12(9): e1001957.
- Xu X, Han F, Zhao Q 2014. Homologies and homeotic transformation of the theropod ‘semilunate’ carpal. *Scientific Reports* 4: 6042.
- Hutson JD, Hutson KN 2014. A repeated-measures analysis of the effects of soft tissues on wrist range of motion in the extant phylogenetic bracket of dinosaurs: implications for the functional origins of an automatic wrist folding mechanism in crocodylia. *The Anatomical Record Advances in Integrative Anatomy and Evolutionary Biology* 297(7): 1228-1249. doi: 10.1002/ar.22903
- Burch SH 2014. Complete forelimb myology of the basal theropod dinosaur *Tawa hallae* based on a novel robust muscle reconstruction method. *Journal of Anatomy* 225: 271-297.
- Xu X, Mackem S 2013. Tracing the evolution of avian digits. *Current Biology* 23: R538-R544.
- De Bakker MAG, Fowler DA, den Oude K, Dondorp EM, Navas MCG, Horbanczuk JO, Sire JY, Szczerbińska D, Richardson MK 2013. Digit loss in archosaur evolution and the interplay between selection and constraints. *Nature* 500: 445-448.
- Maxwell EE 2012. Unraveling the influences of soft-tissue flipper development on skeletal variation using an extinct taxon. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 318B: 545–554.
- Seki R, Kamiyama N, Tadokoro A, Nomura N, Tsuihiiji T, Manabe M, Tamura 2012. Evolutionary and developmental aspects of avian-specific traits in limb skeletal pattern. *Zoological Science* 29: 631-644.
- Mitgutsch C, Richardson MK, De Bakker MAG, Jiménez R, Martín JE, Kondrashov P, Sánchez-Villagra MR 2012. A molecular-morphological study of a peculiar limb morphology: the development and evolution of the mole's 'thumb'. In: Asher, R J. (ed.), **From clone to bone**. Cambridge, Cambridge University Press, pp. 301-327.
- Badawy GM, Sakr SA, Atallah MN 2012. Comparative study of the skeletogenesis of limb autopods in the developing chick *Gallus domesticus* and toad *Bufo regularis*. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 3(4): 966-988.
- Xu X, Choiniere J, Sullivan C, Han F 2011. Comment on “Embryological evidence identifies wing digits in birds as digits 1, 2, and 3.” *Nature Precedings*. doi: 10.1038/npre.2011.6433.1

- Bever GS, Gauthier JA, Wagner GP 2011. Finding the frame shift: digit loss, developmental variability, and the origin of the avian hand. *Evolution & Development* 13(3): 269-279.
- Yuong RL, Bever GS, Wang Z, Wagner GP 2011. Identity of the avian wing digits: problems resolved and unsolved. *Developmental Dynamics* 240(5): 1042-1053.
- Tamura K, Nomura N, Seki R, Yonei-Tamura S, Yokoyama H. 2011. Embryological evidence identifies wing digits in birds as digits 1, 2, and 3. *Science* 331: 753-757.
- Abdala V, Diogo R 2010. Comparative anatomy, homologies and evolution of the pectoral and forelimb musculature of tetrapods with special attention to extant limbed amphibians and reptiles. *Journal of Anatomy* 217(5): 536-573.
- Sullivan C, Hone DWE, Xu X, Zhang F 2010. The asymmetry of the carpal joint and the evolution of wing folding in maniraptoran theropod dinosaurs. *Proceedings of the Royal Society B* 277(1690): 2027-2033. doi: 10.1098/rspb.2009.2281
- James FC, Pournelle IV JA 2009. Cladistics and the origin of birds: A review and two new analyses. *Ornithological Monographs* 66(1): 1-78.
- Vargas AO, Wagner GP 2009. Frame-shifts of digit identity in bird evolution and cyclopamine-treated wings. *Evolution & Development* 11(2): 163-169.

**23. 2008 – KUNDRÁT, M., JOSS, J., SMITH, M. M. Fate mapping in embryos of *Neoceratodus forsteri* reveals cranial neural crest participation in tooth development as conserved from lungfish to tetrapods. *Evolution & Development* 10(5): 531-536.**

**24. 2008 – KUNDRÁT, M. HNK-1 immunoreactivity during early morphogenesis of the head region in a non-model vertebrate, crocodile embryo. *Naturwissenschaften* 95(11): 1063-1072.**

**Citations: 4**

- Giovannone D, Ortega B, Reyes M, El-Ghali N, Rabadi M, Sao S, de Bellard ME 2015. Chicken trunk neural crest migration visualized with HNK1. *Acta Histochemica* 117(3): 255-266.
- Reyes C, Fong AY, Brink DL, Milsom WK 2014. Distribution and innervation of putative arterial chemoreceptors in the Bullfrog (*Rana catesbeiana*). *The Journal of Comparative Neurology / Research in Systems Neuroscience* 522: 3754-3774.
- Tokita M, Chaeychomsri W, Siruntawineti J 2013. Skeletal gene expression in the temporal region of the reptilian embryos: implications for the evolution of reptilian skull morphology. *SpringerPlus* 2: 336.
- Reyes M, Zandberg K, Desmawati I, de Bellard ME 2010. Emergence and migration of trunk neural crest cells in a snake, the California Kingsnake (*Lampropeltis getula californiae*). *BMC Developmental Biology* (): -. doi: 10.1186/1471-213X-10-52

**25. 2008 – KUNDRÁT, M., CRUICKSHANK, A. R. I., MANNING, T. W., NUDDS, J. Embryos of therizinosauroid theropods from the Upper Cretaceous of China: Diagnosis and analysis of ossification patterns. *Acta Zoologica* 89(3): 231-251.**

**Citations: 44**

- Zhang S, Yang TR, Li Z, Hu Y. 2018. New dinosaur egg material from Yunxian, hubei Province, China resolves the classification of dendroolithis eggs. *Acta Palaeontologica Polonica* 63(4): 671-678.
- Tanaka K, Zelenitsky DK, Therrien F, Kobayashi Y 2018. From non-avian type dinosaurs to birds, transition of nesting method and nesting behavior. *Journal of the Japan Bird Society* 67(1): 25-40.
- Funston GF, Currie PJ 2018. A small caenagnathid tibia from the Horseshoe Canyon Formation (Maastrichtian): implications for growth and lifestyle in oviraptorosaurs. *Cretaceous Research* 92: 220-230.
- Ren TL, Wang YY, NING ZG, Shen CZ, Zhou XY, Tanaka K, Huang YB, Zhang CJ, Lü JC 2018. The first discovery of dinosaur eggs in Laixi Area of Qingdao, Shandong Province, and sedimentary environmental analysis. *Acta Geoscientifica Sinica* 2: .

- Rauhut OWM, Foth C, Tischlinger H. 2018. The oldest *Archaeopteryx* (Theropoda: Avialiae): a new specimen from the Kimmeridgian/Tithonian boundary of Schamhaupten, Bavaria. *PeerJ* 26(6): e4191.
- Wang S, Zhang Q, Yang R 2018. Reevaluation of the dentary structures of caenagnathid oviraptorosaurs (Dinosauria, Theropoda). *Scientific Reports* 391: -. DOI: 10.1038/s41598-017-18703-1.
- Wang S, Stiegler J, Amiot R, Wang, X, Du G-H, Clark JM, Xu X 2017. Extreme ontogenetic changes in a ceratosaurian theropod. *Current Biology* 27(1): 144-148.
- Prondvai E, Botfalvai G, Stein K, Szentesi Z, Ösi A. 2017. Collection of the thinnest: a unique eggshell assemblage from the Late Cretaceous vertebrate locality of Iharkút (Hungary). *Central European Geology* 60: x-x. DOI: 10.1556/24.60.2017.004
- Erickson GM, Zelenitsky DK, Kay DI, Norell MA 2017. Dinosaur incubation periods directly determined from growth-line counts in embryonic teeth show reptilian-grade development. *Proceedings of the National Academy of Sciences of the United State of America* 114(3): 540-545.
- Fernández MS 2016. Important contributions of the South American record to the understanding of dinosaur reproduction. In: Khosla A and Lucas SG (eds.), *Cretaceous Period Biotic Diversity and Biogeography*. New Mexico Museum of Natural History and Science Bulletin 71, pp. 91-106
- Varricchio DJ, Jackson FD 2016. Reproduction in Mesozoic birds and evolution of the modern avian reproductive mode. *The Auk – Ornithological Advances* 133: 654-684.
- Bhullar B-A, Hanson M, Fabbri M, Pritchard A, Bever GS, Hoffman E 2016. How to make a bird skull: major transition in the evolution of the avian cranium, paedomorphosis, and the beak as surrogate hand. *Integrative and Comparative Biology* 56(3):389-403
- Fernández MS. 2016. Important contributions of the South American record to the understanding of dinosaur reproduction. In: Cretaceous Period: Biotic Diversity and Biogeography (Khosla A, Lucas SG). *New Mexico Museum of Natural History and Science Bulletin* 71: 91-105.
- Foth C, Hedrick BP, Ezcurra MD 2016. Cranial ontogenetic variation in early saurischians and the role of heterochrony in the diversification of predatory dinosaurs. *PeerJ* 4: e1589.
- Wang S, Zhang S, Sullivan C, Xu X 2016. Elongatoolithid eggs containing oviraptorid (Theropoda, Oviraptorosauria) embryos from the Upper Cretaceous of Southern China. *BMC Evolutionary Biology* 16: 67.
- Dewaele L, Tsogtbaatar K, Barsbold R, Garcia G, Stein K, Escuillié F, Godefroit P 2015. Perinatal specimens of *Sauropeltes angustirostris* (Dinosauria: Hadrosauridae), from the Upper Cretaceous of Mongolia. *PLoS ONE* 10(10): e0138806.
- Botelho JF, Smith-Paredes, Soto-Acuña, Mpodozis J, Palam V, Vargas AO 2015. Skeletal plasticity in response to embryonic muscular activity underlies the development and evolution of the perching digit of birds. *Scientific Reports* 5: 09840.
- Sellés AG, Galobart A 2015. Reassessing the endemic European Upper Cretaceous dinosaur *Cairanoolithus*. *Historical Biology: An International Journal of Paleobiology* 28(5):583 - 596.
- Skawiński T, Tałanda M 2014. Integrating developmental biology and the fossil record of reptiles. *International Journal of Developmental Biology* 58: 949-959.
- Shao ZF, Fan SH, Jia SH, Tanaka K, Lü JC 2014. Intact theropod dinosaur eggs with embryonic remains from the Late Cretaceous of southern China. *Geological Bulletin of China* 7: 941-948.
- Lautenschlager S, Witmer LM, Altangerel P, Zanno LE, Rayfield EJ 2014. Cranial anatomy of *Erlikosaurus andrewsi* (Dinosauria, Therizinosauria): new insights based on digital reconstruction. *Journal of Vertebrate Paleontology* 34(6): 1263-1291.
- Barta DE, Brundridge KM, Croghan JA, Jackson FD, Varricchio DJ, Jin X, Poust AW 2014. Eggs and clutches of the Spherooolithidae from the Cretaceous Tiantai basin, Zhejiang Province, China. *Historical Biology* 26(2):183-194.
- Hendrickx C, Mateus O 2014. *Torvosaurus gurneyi* n. sp., the largest terrestrial predator from Europe, and a proposed terminology of the maxilla anatomy in nonavian theropods. *PLoS ONE* 9(3): e88905.

- Zhao, Q, Benton NJ, Sullivan C, Sander MP, Xu X 2013. Histology and postural change during the growth of the ceratopsian dinosaur *Psittacosaurus lujiatunensis*. *Nature Communication* 4:2079.
- Guenther MF 2014. Comparative ontogenies (appendicular skeleton) for three hadrosaurids and a basal iguanodontian: divergent developmental pathways in Hadrosaurinae and Lambeosaurinae. In: Eberth DA, Evans DC (eds), *Hadrosaurs*. Indiana University Press, pp. 398-415.
- Liston J 2013. Out of China: dinosaur eggs and the law on 'Kong Long Dan'. *The Geological Curator* 9(10): 545-555.
- Reisz RR, Huang TD, Roberts EM, Peng SR, Sullivan C, Stein K, LeBlanc ARH, Shieh DB, Chang, RS, Chiang CC, Yang C, Zhong S 2013. Embryology of Early Jurassic dinosaur from China with evidence of preserved organic remains. *Nature* 496: 210-214.
- Choiniere JN, Clark JM, Forster CA, Norell MA, Eberth DA, Erickson GM, Chu HC, Xu X 2013. A juvenile specimen of a new coelurosaur (Dinosauria: Theropoda) from the Middle-Late Jurassic Shishugou Formation of Xinjiang, People's Republic of China. *Journal of Systematic Palaeontology* 12(2): 177-215 . doi: 10.1080/14772019.2013.781067
- Araújo R, Castanhinha R, Martins RMS, Mateus O, Hendrickx C, Beckmann F, Schell N, Alves LC 2013. Filling the gaps of dinosaur eggshell phylogeny: Late Jurassic Theropod clutch with embryos from Portugal. *Scientific Reports* 3: 1924.
- Novas FE, Agnolín FL, Ezcurra MD, Porfiri J, Canale JI 2013. Evolution of the carnivorous dinosaurs during the Cretaceous: the evidence from Patagonia. *Cretaceous Research* 45: 174-215 .
- Sánchez M. 2012. *Embryos in Deep Time – The Rock Record of Biological Development*. University of California Press, Ltd.
- Hendricks C, Mateus O 2012. Ontogenetical changes in the quadrate of basal tetanurans. *10th Annual Meeting of the European Association of Vertebrate Palaeontologists* 101–104.
- Lautenschlager S, Rayfield EJ, Altangerel P, Zanno LE, Witmer LM 2012. The endocranial anatomy of Therizinosauria and its implications for sensory and cognitive function. *PLoS ONE* 7(12): e52289.
- Louchart A, Viriot L 2011. From snout to beak: the loss of teeth in birds. *Trends in Ecology & Evolution* 28(12): 663-673.
- Taylor MA, Benton MJ, Noè LF, Fraser NC 2011. Obituary: Arthur Cruickshank – 1932-2011. *Palaeontologia Africana* 46: 93-98.
- Reisz RR, Evans DC, Sues HD, Scott D 2010. Embryonic skeletal anatomy of the sauropodomorph dinosaur *Massospondylus* from the Lower Jurassic of South Africa. *Journal of Vertebrate Paleontology* 30(6): 1653-1665.
- Varricchio D 2010. A distinct dinosaur life history. *Historical Biology* 23(1): 91-107.
- Isles TE 2009. The socio-sexual behavior of extant archosaurs: implications for understanding dinosaur behavior. *Historical Biology* 21(3-4): 139-214.
- Fernandez V, Buffetaut E, Maire E, Adrien J, Suteethorn V, Tafforeau P. 2011. Phase contrast based synchrotron microtomography: revolutionizing non-invasive investigations of fossil embryos *in ovo*. *Microscopy and Microanalysis* 18(1): 179-185.
- Isles TE 2009. The socio-sexual behavior of extant archosaurs: Implications for understanding dinosaur behavior. *Historical Biology* 21(3-4): 139-214.
- Delfino M, Sánchez-Villagra MR 2009. A survey of the rock record of reptilian ontogeny. *Seminars in Cell & Developmental Biology* 21: 432-440.
- Bever GS, Norell MA 2009. The perinate skull of *Byronosaurus* (Troodontidae) with observations on the cranial ontogeny of Paravian theropods. *American Museum Novitates* 3657: 1-51.
- Cheng Y, Qiang J, Wu X, Shan H. 2008. Oviraptorosaurian eggs (Dinosauria) with embryonic skeletons discovered for the first time in China. *Acta Geologica Sinica* 82(6): 1089-1094.
- Fernandez V, Buffetaut E, Maire E, Adrien J, Tafforeau P. 2008. Non-destructive investigation of embryo fossilized *in ovo*: absorption based versus phase contrast x-ray imaging. *Abstracts of Presentations, 56<sup>th</sup> Symposium of Vertebrate Palaeontology and Comparative Anatomy* 20-21.

26. 2007 – **KUNDRÁT, M., JANÁČEK, J.** Cranial pneumatization and auditory perceptions of the oviraptorid dinosaur *Conchoraptor gracilis* (Theropoda, Maniraptora) from the Late Cretaceous of Mongolia. *Naturwissenschaften* 94(9): 769-778.

#### Citations: 25

- Balanoff AM, Norell MA, Hogan AVC, Bever GS 2018. The endocranial cavity of oviraptorosaur dinosaurs and the increasingly complex, deep history of the avian brain. *Brain, Behavior and Evolution* 91: 125-135.
- Funston GF, Mendonca SE, Currie PJ, Barsbold R 2017. Oviraptorosaur anatomy, diversity and ecology in the Nemegt Basin. *Palaeogeography, Palaeoclimatology, Palaeoecology* x:x-x. DOI: 10.1016/j.palaeo.2017.10.023
- Lautenschlager S 2017. Digital reconstruction of soft-tissue structures in fossils. *The Paleontological Society Papers, Virtual Paleontology* 22: 101-117.
- Balanoff AM, Bever GS, Colbert MW, Clarke JA, Field DJ, Gignac PM, Ksepka DT, Ridgely RC, Smith NA, Torres CR, Walsh S, Witmer LM 2016. Best practices for digitally constructing endocranial casts: examples from birds and their dinosaurian relatives. *Journal of Anatomy* 229: 173–190.
- Carr CE, Christensen-Dalsgaard J, Biernan H 2016. Coupled ears in lizards and crocodilians. *Biological Cybernetics*. doi:10.1007/s00422-016-0698-2
- Wang S, Zhang S, Sullivan C, Xu X 2016. Elongatoolithid eggs containing oviraptorid (Theropoda, Oviraptorosauria) embryos from the Upper Cretaceous of Southern China. *BMC Evolutionary Biology* 16: 67.
- Montefeltro FC, Andrade DV, Larsson HCE 2016. The evolution of the meatal chamber in crocodyliforms. *Journal of Anatomy* 228(5): 838-863.
- Hendrickx C, Mateus O, Buffetaut E 2016. Morphofunctional analysis of the quadrate of Spinosauridae (Dinosauria: Theropoda) and the presence of *Spinosaurus* and a second Spinosaurine taxon in the Cenomanian of North Africa. *PLoS ONE* 11(1): e0144695.
- Carr CE, Christensen-Dalsgaard J 2015. Sound localization strategies in three predators. *Brain, Behavior and Evolution* 86(1): 17-27.
- Hendrickx C, Araújo R, Mateus O 2015. The non-avian theropod quadrate I: standardized terminology with an overview of the anatomy and function. *PeerJ* 3:e1245.
- Hendrickx C, Araújo R, Mateus O 2014. The non-avian theropod quadrate II: systematic usefulness, major trends and cladistics and phylogenetic morphometrics analyses. *PeerJ* 2:e380v2.
- Carr CE, Christensen-Dalsgaard J 2015. Sound localization strategies in three predators. *Brain, Behavior and Evolution* 86: 17-27.
- Balanoff AM, Bever GS, Colbert MW, Clarke JA, Field DJ, Gignac PM, Ksepka DT, Ridgely RC, Smith NA, Torres CR, Walsh S, Witmer LM 2015. Best practices for digitally constructing endocranial casts: examples from birds and their dinosaurian relatives. *Journal of Anatomy* 229(2): 173-190.
- Bierman HS, Carr CE 2015. Sound localization. *Hearing Research* 329: 11-20.
- Feduccia A, Czerkas SA 2015. Testing the neoflightless hypothesis: propatagium reveals flying ancestry of oviraptorosaurs. *Journal of Ornithology* 156(4):1067-1074.
- Bierman HS, Thornton JL, Jones HG, Koka K, Young BA, Brandt C, Christensen-Dalsgaard J, Carr CE, Tollin DJ 2014. Biophysics of directional hearing in the American alligator (*Alligator mississippiensis*). *The Journal of Experimental Biology* 217: 1094-1107.
- Balanoff AM, Bever GS, Norell MA 2014. Reconsidering the avian nature of the oviraptorosaur brain (Dinosauria: Theropoda). *PLoS ONE* 9(12): e113559.
- Walsh SA, Luo ZX, Barrett PM 2013. Modern imaging techniques as a window to prehistoric auditory worlds. In: Köppl C, Manley GA, Popper AN, Fay RR (eds), *Insights from Comparative Hearing Research, Springer Handbook of Auditory Research 49*, Springer Science+Business Media New York, pp. 227-261 .

- Turner AH, Makovicky PJ, Norell MA 2012. A review of dromaeosaurid systematics and paravian phylogeny. *Bulletin of the American Museum of Natural History* 371: 1-206.
- Balanoff AM, Norell MA 2012. Osteology of *Khaan mckennai* (Oviraptorosauria: Theropoda). *Bulletin of the American Museum of Natural History* 372: 1-77.
- Schmitz L, Motani R 2011. Nocturnality in dinosaurs inferred from scleral ring and orbit morphology. *Science* 332(6030): 705-708.
- Smith DK, Zano LE, Sanders K, Deblieux DD, Kirkland JI 2011. New information on the braincase of the North American therizinosaurian (Theropoda, Maniraptora) *Falcarius utahensis*. *Journal of Vertebrate Paleontology* 31(2): 387-404.
- Tahara R, Larsson HCE 2011. Cranial pneumatic anatomy of *Ornithomimus edmontonicus* (Ornithomimidae: Theropoda). *Journal of Vertebrate Paleontology* 31(1): 127-143.
- Nesbitt SJ, Smith ND, Irmis RB, Turner AH, Downs A, Norell MA 2009. A complete skeleton of a Late Triassic saurischian and the early evolution of dinosaurs. *Science* 326: 1530-1533.
- Balanoff AM, Xu X, Kobayashi Y, Matsufune Y, Norell MA 2009. Cranial osteology of the theropod dinosaur *Incisivosaurus gauthieri* (Theropoda: Oviraptorosauria). *American Museum Novitates* 3651: 1-35.

**27. 2007 – KUNDRÁT, M. Avian-like attributes of a virtual brain model of the oviraptorid theropod *Conchoraptor gracilis*. *Naturwissenschaften* 94(6): 499-504.**

**Citations: 29**

- Montero R, Autino AG 2018. **Sistemática y filogenia de los vertebrados – Con énfasis en la fauna Argentina. 3rd edition.** San Miguel de Tucumán, Argentina. ISBN: 978-987-42-9721-1.
- Balanoff AM, Norell MA, Hogan AVC, Bever GS 2018. The endocranial cavity of oviraptorosaur dinosaurs and the increasingly complex, deep history of the avian brain. *Brain, Behavior and Evolution* 91: 125-135.
- Walsh SA, Knoll F 2018. The evolution of avian intelligence and sensory capabilities: the fossil evidence. In: **Digital Endocasts: From Skulls to Brains.** Bruner E, Ogihara N, Tanabe HC, editors. Springer. pp. 59-69.
- Gaetano TM, Yacobussi MM, Bingman VP 2017. On the paleontology of animal cognition: using the brain dimensions of modern birds to characterize maniraptor cognition. *Journal of Advanced Neuroscience Research, Special Issues*, pp. 12-19.
- Balanoff A, Bever GS 2017. The role of endocasts in the study of brain evolution. In: *Evolution of Nervous Systems* (eds.), 223-241.
- Kemp TS 2016. *The Origin of higher Taxa.* Oxford University Press.
- Walsh SA, Milner AC, Bourdon E 2015. A reappraisal of *Cerebravis cenomanica* (Aves, Ornithurae), from Melovatka, Russia. *Journal of Anatomy* 229: 215-227.
- Balanoff AM, Bever GS, Colbert MW, Clarke JA, Field DJ, Gignac PM, Ksepka DT, Ridgely RC, Smith NA, Torres CR, Walsh S, Witmer LM 2015. Best practices for digitally constructing endocranial casts: examples from birds and their dinosaurian relatives. *Journal of Anatomy* 229(2): 173-190.
- Balanoff AM, Smaers JB, Turner AH 2015. Brain modularity across the theropod-bird transition: testing the influence of flight on neuroanatomical variation. *Journal of Anatomy* 229(2): 204-214.
- Walsh SA, Milner AC, Bourdon E 2015. A reappraisal of *Cerebravis cenomanica* (Aves, Ornithurae), from Melovatka, Russia. *Journal of Anatomy* 229(2): 204-214.
- Feduccia A, Czerkas SA 2015. Testing the neoflightless hypothesis: propatagium reveals flying ancestry of oviraptorosaurs. *Journal of Ornithology* 156(4):1067-1074.
- Lamanna MC, Sues H-D, Schachner ER, Lyson TR 2014. A new large-bodied Oviraptorosaurian theropod dinosaur from the Latest Cretaceous of western North America. *PLoS ONE* 9(3): e92022.
- Balanoff AM, Bever GS, Norell MA 2014. Reconsidering the avian nature of the oviraptorosaur brain (Dinosauria: Theropoda). *PLoS ONE* 9(12): e113559.
- O'Connor JK, Sullivan C 2014. Reinterpretation of the Early Cretaceous maniraptoran (Dinosauria: Theropoda) *Zhongornis haoae* as a scansoriopterygid-like non-avian, and

- morphological resemblances between scansoriopterygids and basal oviraptorosaurs.
- Vertebrata PalAsiatica** 52(1): 1-9.
- Sales MAF, Schultz CL 2014. Paleoneurology of Teyumbaita sulcognathus (Diapsida: Archosauromorpha) and the sense of smell in rhynchosauroids. **Palaeontologia Electronica** 17(1): 15A.
- Walsh SA, Iwaniuk AN, Knoll MA, Bourdon E, Barrett PM, Barrett PM, Milner AC, Nudds RL, Abel RL, Sterpaio PD 2013. Avian cerebellar floccular fossa size is not a proxy for flying ability in birds. **PloS ONE** 8(6): e67176.
- Easter J 2013. A new name for the oviraptorid dinosaur "Ingenia" yanshini (Barsbold, 1981; Preoccupied by Gerlach, 1957). **Zootaxa** 3737(2): 184-190.
- Lautenschlager S, Rayfield EJ, Altangerel P, Zanno LE, Witmer LM 2012. The endocranial anatomy of Therizinosauria and its implications for sensory and cognitive function. **PLoS ONE** 7(12): e52289.
- Northcutt RG 2011. Evolving large and complex brains. **Science** 332: 926-927.
- Walsh S, Milner A 2011. Evolution of the avian Brain and Senses. In: Dyke G, Kaiser G (eds.), **Living Dinosaurs: The Evolutionary History of Modern Birds**. John Wiley & Sons, Ltd., pp. 282-305.
- Witmer LM, Ridgely RC 2009. New insights into the brain, braincase, and ear region of *Tyrannosaurus* (Dinosauria, Theropoda), with implications for sensory organization and behavior. **The Anatomical Record** 292: 1266-1296.
- Evans DC, Ridgely R, Witmer LM 2009. Endocranial anatomy of lambeosaurine hadrosaurids (Dinosauria: Ornithischia): A sensorineural perspective on cranial crest function. **The Anatomical Record** 292: 1315-1337.
- Norell, MA, Makovicky PJ, Bever GS, Balanoff AM, Clark JM, Barsbold R, Rowe T 2009. A review of the Mongolian Cretaceous dinosaur *Saurornithoides* (Troodontidae: Theropoda). **American Museum Novitates** 3654: 1-63.
- Balanoff AM, Xu X, Kobayashi Y, Matsufune Y, Norell MA 2009. Cranial osteology of the theropod dinosaur *Incisivosaurus gauthieri* (Theropoda: Oviraptorosauria). **American Museum Novitates** 3651: 1-35.
- Walsh SA, Barrett PM, Milner AC, Manley G, Witmer LM 2009. Inner ear anatomy is a proxy for deducing auditory capability and behavior in reptiles and birds. **Proceedings of the Royal Society B** 276: 1355-1360.
- Witmer LM, Ridgely RC, Dufeu DL, Semones MC. 2008. Using CT to peer into the past: 3D visualization of the brain and ear regions of birds, crocodiles, and non-avian dinosaurs. In: **Anatomical Imaging: Towards a New Morphology**. 4<sup>th</sup> Mammalogical Congress, Sapporo, Japan, pp. 67-87.
- Ali F, Zelenitsky DK, Therrien F, Weishampel DB. 2008. Homology of the "ethmoid complex" of tyrannosaurids and its implications for the reconstruction of the olfactory apparatus of non-avian theropods. **Journal of Vertebrate Paleontology** 28(1): 123-133.
- Witmer LM, Ridgely RC. 2008. Structure of the brain cavity and inner ear of the centrosaurine ceratopsid dinosaur *Pachyrhinosaurus* based on CT scanning and 3D visualization. In: Currie JC, Langston W, Tanke DH (eds), **A new horned dinosaur from an Upper Cretaceous bone bed in Alberta**. National Research Council, Research Press, pp. 117-181.
- Zelenitsky DK, Therrien F, Kobayashi Y. 2008. Olfactory acuity in theropods: paleobiological and evolutionary implications. **Proceedings of the Royal Society B** 276(1657): 667-673.

**28. 2005 – GALIS, F., KUNDRÁT, M., METZ, J. A. J. Hox genes, digit identities and the theropod/bird transition. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(3): 198-205.**

#### Citations: 34

- Diogo R, Ziermann JM, Molnar J, Siomava N, Abdala V. 2018. **Muscles of Chordates – Development, Homologies, and Evolution**. Boca Raton: Taylor & Francis Group. ISBN: 978-135-133-494-5

- Montero R, Autino AG 2018. **Sistemática y filogenia de los vertebrados – Con énfasis en la fauna Argentina. 3rd edition.** San Miguel de Tucumán, Argentina. ISBN: 978-987-42-9721-1.
- Towers M. 2017. Evolution of antero-posterior patterning of the limb: insights from the chick. *Genesis. The Journal of Genetics and Development* x: x-x. DOI: 10.1002/dvg.23047
- Guinard, G. 2016. *Limusaurus inextricabilis* (Theropoda: Ceratosauria) gives a hand to evolutionary teratology: a complementary view on avian manual digits identities. *Zoological Journal of the Linnean Society* 176(3): 674-685 .
- Čapek D, Metscher BD, Müller GB 2014. Thumbs down: A molecularmorphogenetic approach to avian digit homology. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 322B:1–12.
- Wagner G. 2014. **Homology, Genes and Evolutionary Innovation.** Princeton University Press.
- Salinas-Saavedra M, Gonzalez-Cabrera C, Oss-Fuentes L, Botelho JF, Ruiz-Flores M, Vargas, AO 2014. New developmental evidence supports a homeotic frameshift of digit identity in the evolution of the bird wing. *Frontiers in Zoology* 11: 33.
- Xu X, Mackem S 2013. Tracing the evolution of avian digits. *Current Biology* 23: R538-R544.
- Badawy GM, Sakr SA, Atallah MN 2012. Comparative study of the skeletogenesis of limb autopods in the developing chick *Gallus domesticus* and toad *Bufo regularis*. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 3(4): 966-988.
- Yuong RL, Bever GS, Wang Z, Wagner GP 2011. Identity of the avian wing digits: problems resolved and unsolved. *Developmental Dynamics* 240(5): 1042-1053.
- Winther RG 2011. Part-whole science. *Synthese* 178(3): 397-427.
- Tamura K, Nomura N, Seki R, Yonei-Tamura S, Yokoyama H. 2011. Embryological evidence identifies wing digits in birds as digits 1, 2, and 3. *Science* 331: 753-757.
- Lanfear R 2010. Are the deuterostome posterior Hox genes a fast-evolving class? *Advances in Experimental Medicine and Biology* 689: 111-122.
- Diogo R, Abdala V 2010. **Muscles of Vertebrates. Comparative Anatomy, Evolution, Homologies and Development.** Science Publishers, Enfield, USA, pp. 470.
- Kappen C 2010. Vertebrate Hox genes and specializations in mammals. In: Desalle R, Schierwater B (eds), **Key Transitions in Animal Evolution.** Science Publishers, CRC Press Taylor & Francis Group, pp. 238-258 .
- Abdala V, Diogo R 2010. Comparative anatomy, homologies and evolution of the pectoral and forelimb musculature of tetrapods with special attention to extant limbed amphibians and reptiles. *Journal of Anatomy* 217(5): 536-573.
- Kohlsdorf T, Lynch VJ, Rodrigues MT, Brandley MC, Wagner GP 2010. Data and data interpretation in the study of limb evolution: A reply to Galis et al., On the reevolution of digits in the lizard genus Bachia. *Evolution* 64(8): 2477-2485.
- Larsson HCE, Heppleston AC, Elsey RM 2010. Pentadactyl ground state of the manus of *Alligator mississippiensis* and insights into the evolution of digital reduction in Archosauria. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 314B(7): 571-579.
- Woltering JM, Duboule D. 2010. The origin of digits: Expression patterns versus regulatory mechanisms. *Developmental Cell* 18(4): 526-532.
- James FC, Pournelle IV JA 2009. Cladistics and the origin of birds: A review and two new analyses. *Ornithological Monographs* 66(1): 1-78.
- Lanfear R 2009. Are the deuterostome posterior Hox genes a fast-evolving class. In: Deutsch J (ed), **Hox Genes' Studies from the 20th to the 21st Century.** Landes Bioscience, pp. 1-11.
- Cho K-W, Kim J-Y, Cho J-W, Cho K-H, Song C-W, Jung H-S 2008. Point mutation of Hoxd12 in mice. *Yonsei Medical Journal* 49(6): 965-972.
- Monteiro A 2008. Alternative models for the evolution of eyespots and of serial homology on lepidopterian wings. *BioEssays* 30(4): 358-366.
- Ramírez MJ 2007. Homology as a parsimony problem: a dynamic homology approach for morphological data. *Cladistics* 23(1): 1-25.
- Casanova JC, Sanz-Ezquerro JJ 2007. Digit morphogenesis: Is the tip different? *Development Growth & Differentiation* 49(6): 479-491.

- Monteiro A, Chen B, Scott LC, Vedder L, Prijs HJ, Belicha-Villanueva A, Brakefield PM 2007. The combined effect of two mutations that alter serially homologous color pattern elements on the fore and hindwings of a butterfly. *BMC Genetics* 8: 22-31.
- Livezey BC, Zusi RL 2007. Higher-order phylogeny of modern birds (Theropoda, Aves: Neornithes) based on comparative anatomy. II. Analysis and discussion. *Zoological Journal of the Linnean Society* 149(1): 1-95.
- Satoh A, Endo T, Abe M, Yakushiji N, Ohgo S, Tamura K, Ide H 2006. Characterization of *Xenopus* digits and regenerated limbs of the froglet. *Developmental Dynamics* 235(12): 3316-3326.
- Arisawa K, Yazawa S, Atsumi Y, Kagami H, Ono T 2006. Skeletal analysis and characterization of gene expression related to pattern formation in developing limbs of Japanese Silkie Fowl. *The Journal of Poultry Science* 43: 126-134.
- Gilbert SF 2006. **Developmental Biology**. Eighth Edition. Sinauer Associates, Inc., Publishers, Sunderland, pp. 785.
- Wagner GP 2005. The developmental evolution of the avian digit homology: An update. *Theory in Biosciences* 124(2): 165-183.
- Feduccia A, Lingham-Soliar T, Hinchliffe R 2005. Do feathered dinosaur exist? Testing the hypothesis on neontological and paleontological evidence. *Journal of Morphology* 266: 125-166.
- Vargas AO, Fallon JF 2005. The digits of the wing of birds are 1, 2, and 3. A review. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(3): 206-219.

**29. 2004 – KUNDRÁT, M. When did theropods become feathered? – Evidence for pre-*Archaeopteryx* feather. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 302B(4): 355-364.**

**Citations: 19**

- Lehman J, Clune1 J, Misevic D, Adami C, Altenberg L, Beaulieu J, Bentley PJ, Bernard S, Beslon G, Bryson DM, Chrabaszcz P, Cheney N, Cully A, Doncieux S, Dyer FC, Ellefsen KO, Feldt R, Fischer S, Forrest S, Frénay A, Gagné C, Le Goff L, Grabowski LM, Hodjat B, Hutter F, Keller L, Knibbe C, Krcah P, Lenski RE, Lipson H, MacCurdy R, Maestre C, Miikkulainen R, Mitri S, Moriarty DE, Mouret J-B, Nguyen A, Ofria C, Parizeau M, Parsons D, Pennock RT, Punch WF, Ray TS, Schoenauer M, Schulte E, Sims K, Stanley KO, Taddei F, Tarapore D, Thibault S, Weimer W, Watson R, Yosinski1 J 2018. The surprising creativity of digital evolution: a collection of anecdotes from the evolutionary computation and artificial life research communities. *arXiv:1803.03453v2*
- McLain MA, Petron M, Speights M 2018. Feathered dinosaurs reconsidered: new insights from baraminology and ethnotaxonomy. *Proceedings of the 8<sup>th</sup> International Conference on Creationism*, ed. JH Whitmore, pp. 472-515, Pittsburgh, Pennsylvania: Creation Science Fellowship.
- Alifanov VR 2014. The discovery of Late Jurassic dinosaurs in Russia. *Doklady Earth Sciences* 455(2): 365-367.
- Alifanov VR, Saveliev SV, Tereshchenko EY, Artemov VV, Seregin Y 2014. Integument structure in ornithischian dinosaurs (Hypsilophodontia, Ornithopoda) from the Late Jurassic of transbaikalia. *Paleontological Journal* 48(5): 523-533.
- Foth C 2012. On the identification of feather structures in stem-line representatives of birds: evidence from fossils and actupaleontology. *Paläontologische Zeitschrift* 86: 91-102.
- Foth, C 2012. The influence of taphonomy on fossil body plumages and the identification of feather structures in stem-line representatives of birds. *10th Annual Meeting of the European Association of Vertebrate Palaeontologists* 77–79.
- Fujita M, Lee, YN, Azuma Y, Li D 2012. Unusual tridactyl trackways with tail traces from the Lower Cretaceous Hekou group, Gansu Province, China. *Palaios* (27)7: 560.570.
- Dimond CC, Cabin RJ, Brooks JS 2011. Feathers, dinosaurs, and behavioral cues: defining the visual display hypothesis for the adaptive function of feathers in non-avian theropods. *BIOS* 82(3): 58-63.

- Russell DA 2009. **Islands in the Cosmos: The Evolution of Life in Land.** Bloomington: Indiana University Press.
- Xu X, Guo Y 2009. The origin and early evolution of feathers: insights from recent paleontological and neontological data. *Vertebrata PalAsiatica* 47(10): 311-329.
- Chernova OF 2008. Problema vozniknoveniya kozhnykh derivatov v evolyutsii amniot. Kozhnye pridatki – cheshuya, pero, volos. *Journal of General Biology* 69(2): 130-151.
- Platt BF, Hasiotis ST 2008. A new system for describing and classifying tetrapod tail traces with implications for interpreting the dinosaur tail trace record. *Palaeos* 23: 3-13.
- Larsson HCE 2008. MODEs of developmental evolution: an example with the origin and definition of the autopodium. In: Anderson JS and Sues H-D (eds), **Major Transitions in Vertebrate Evolution.** Bloomington: Indiana University Press, pp. 150-181.
- Sarkar S 2007. **Doubting Darwin? Creationist Designs on Evolution.** Oxford: Blackwell Publishing.
- Kavanau JL 2007. Roots of avian evolution: clues from relict reproductive behaviors. *Scientific Research and Essay* 2(8): 263-294.
- Glut DF 2006. **Dinosaurs. The Encyclopedia.** Supplement 4. McFarland & Company, Inc., Publishers, Jefferson, North Carolina, and London, pp.749. (pp. 121, 300-301)
- Ramos GC, Vaz NM, Saalfeld K 2006. Wings for flying, lymphocytes for defence: Spandrels, exaptation and specific immunity. *Complexus* 3: 211-216.
- Alibardi L, Sawyer RH 2006. Cell structure of developing downfeathers in the zebrafinch with emphasis on barb ridge morphogenesis. *Journal of Anatomy* 208(5): 621-642.
- Kurochkin EN 2006. Parallel evolution of theropod dinosaurs and birds. *Zoologichesky Zhurnal* 85(3): 283-297.

**30. 2003 – GALIS, F., KUNDRÁT, M., SINERVO, B. An old controversy solved: Bird embryos have five fingers. *Trends in Ecology & Evolution* 18(1): 7-9.**

**Citations: 34**

- Diogo R, Ziermann JM, Molnar J, Siomava N, Abdala V. 2018. **Muscles of Chordates – Development, Homologies, and Evolution.** Boca Raton: Taylor & Francis Group. ISBN: 978-135-133-4945
- Guinard G 2016. *Limusaurus inextricabilis* (Theropoda: Ceratosauria) gives a hand to evolutionary teratology: a complementary view on avian manual digits identities. *Zoological Journal of the Linnean Society* 176: 674-685.
- Wagner G. 2014. **Homology, Genes and Evolutionary Innovation.** Princeton University Press.
- Čapek D, Metscher BD, Müller GB 2014. Thumbs down: A molecular-morphogenetic approach to avian digit homology. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 322B:1–12.
- Salinas-Saavedra M, Gonzalez-Cabrera C, Oss-Fuentes L, Botelho JF, Ruiz-Flores M, Vargas, AO 2014. New developmental evidence supports a homeotic frameshift of digit identity in the evolution of the bird wing. *Frontiers in Zoology* 11: 33.
- Guerrero-Bosagna C 2012. Finalism in Darwinian and Lamarckian evolution: lessons from epigenetics and developmental biology *Evolutionary Biology* 39: 282-300.
- Larsson HCE, Wagner GP 2012. Testing inferences in developmental evolution: the forensic evidence principle. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 318B: 489–500.
- Seki R, Kamiyama N, Tadokoro A, Nomura N, Tsuihiji T, Manabe M, Tamura 2012. Evolutionary and developmental aspects of avian-specific traits in limb skeletal pattern. *Zoological Science* 29: 631-644.
- Mitgutsch C, Richardson MK, De Bakker MAG, Jiménez R, Martín JE, Kondrashov P, Sánchez-Villagra MR 2012. A molecular-morphological study of a peculiar limb morphology: the development and evolution of the mole's 'thumb'. In: Asher, R J. (ed.), **From clone to bone.** Cambridge, Cambridge University Press, pp. 301-327.
- Bever GS, Gauthier JA, Wagner GP 2011. Finding the frame shift: digit loss, developmental variability, and the origin of the avian hand. *Evolution & Development* 13(3): 269-279.

- Frobish NB, Shubin NH 2011. Salamander limb development: integrating genes, morphology, and fossils. *Developmental Dynamics* 240(5): 1087-1099.
- Yuong RL, Bever GS, Wang Z, Wagner GP 2011. Identity of the avian wing digits: problems resolved and unsolved. *Developmental Dynamics* 240(5):1042-1053.
- Diogo R, Abdala V 2010. **Muscles of Vertebrates. Comparative Anatomy, Evolution, Homologies and Development.** Science Publishers, Enfield, USA, pp. 470.
- Abdala V, Diogo R 2010. Comparative anatomy, homologies and evolution of the pectoral and forelimb musculature of tetrapods with special attention to extant limbed amphibians and reptiles. *Journal of Anatomy* 217(5): 536-573.
- Larsson HCE, Heppleston AC, Elsey RM 2010. Pentadactyl ground state of the manus of *Alligator mississippiensis* and insights into the evolution of digital reduction in Archosauria. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 314B(7): 571-579.
- Delfino M, Sánchez-Villagra MR 2009. A survey of the rock record of reptilian ontogeny. *Seminars in Cell & Developmental Biology* 21: 432-440.
- Young RL, Caputo V, Giovannotti M, Kohlsdorf T, Vargas AO, May GE, Wagner GP 2009. Evolution of digit identity in the three-toed Italian skink *Chalcides chalcides*: a new case of digit identity frame shift. *Evolution & Development* 11(6): 647-658.
- James FC, Pournell IV JA 2009. Cladistics and the origin of birds: A review and two new analyses. *Ornithological Monographs* 66(1): 1-78.
- Campbell KE. 2008. The manus of archaeopterygians: implications for avian ancestry. *Oryctos* 7: 13-26.
- Lombardo MP, Thorpe PA, Brown BM, Sian K 2008. Digit ratio in birds. *The Anatomical Record-Advances in Integrative Anatomy and Evolutionary Biology* 291(12): 1611-1618.
- Wagner GP 2005. The developmental evolution of the avian digit homology: An update. *Theory in Biosciences* 124(2): 165-183.
- Vargas AO 2005. Beyond selection. *Revista Chilena de Historia Natural* 78(4): 739-752.
- Feduccia A, Lingham-Soliar T, Hinchliffe R 2005. Do feathered dinosaur exist? Testing the hypothesis on neontological and paleontological evidence. *Journal of Morphology* 266: 125-166.
- Vargas AO, Fallon JF 2005. The digits of the wing of birds are 1, 2, and 3. A Review. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(3): 206-219.
- Welten MCM, Verbeek FJ, Meijer AH, Richardson MK 2005. Gene expression and digit homology in the chicken embryo wing. *Evolution & Development* 7(1): 18-28.
- Vargas AO, Fallon JF 2005. Birds have dinosaur wings: The molecular evidence. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(1): 86-90.
- Lee MSY, Reeder TW, Slowinski JB, Lawson R 2004. Resolving reptile relationship: Molecular and morphological markers. In: Cracraft J and Donoghue MJ (eds), **Assembling the Tree of Life**. New York: Oxford University Press, pp. 451-467.
- Sauter M 2004. **Der Urvogel Archaeopteryx.** GRIN Verlag, Muenchen, pp.61.
- Zhou ZH 2004. The origin and early evolution of birds: discoveries, disputes, and perspectives from fossil evidence. *Naturwissenschaften* 91(10): 455-471.
- McNamara KJ, McKinney ML 2005. Heterochrony, disparity, and macroevolution. *Paleobiology* 31(2): 17-26.
- Chiappe LM 2004. The closest relatives of birds. *Ornitología Neotropical* 15: 101-116.
- Chiappe LM, Vargas A 2003. Emplumando dinosaurios: La transición evolutiva de terópodos a aves. *Hornero* 18(1): 1-11.
- Feduccia A 2003. Bird origins: problem solved, but the debate continues... *Trends in Ecology & Evolution* 18(1): 9-10.
- Larsson HCE, Wagner GP 2003. Old morphologies misinterpreted. *Trends in Ecology & Evolution* 18(1): 10.

**31. 2002 – KUNDRÁT, M., SEICHERT, V., RUSSELL, A.P., SMETANA, K, Jr.  
Pentadactyl pattern of the avian wing autopodium and pyramid reduction hypothesis.**

*Journal of Experimental Zoology (Molecular and Developmental Evolution)* 294B(2): 152-159.

#### Citations: 40

- Gregorovičová M, Kvasilová A, Sedmera D. 2018. Ossification pattern in forelimbs of the Siamese Crocodile (*Crocodylus siamensis*): Similarity in ontogeny of carpus among crocodilian species. *The Anatomical Record*. DOI: 10.1002/ar.23792
- Čapek D, Metscher BD, Müller GB 2014. Thumbs down: A molecularmorphogenetic approach to avian digit homology. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 322B:1–12.
- Botelho JF, Ossa-Fuentes L, Soto-Acuña S, Smith-Paredes D, Nuñez-León D, Salinas-Saavedra M, Ruiz-Flores M, Vargas AO 2014. New Developmental Evidence Clarifies the Evolution of Wrist Bones in the Dinosaur–Bird Transition. *PLoS Biology* 12(9): e1001957.
- Wagner G. 2014. *Homology, Genes and Evolutionary Innovation*. Princeton University Press.
- Xu X, Mackem S 2013. Tracing the evolution of avian digits. *Current Biology* 23: R538-R544.
- Larsson HCE, Wagner GP 2012. Testing inferences in developmental evolution: the forensic evidence principle. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 318B: 489–500.
- Bever GS, Gauthier JA, Wagner GP 2011. Finding the frame shift: digit loss, developmental variability, and the origin of the avian hand. *Evolution & Development* 13(3): 269-279.
- Prieto-Márquez A, Bolortsetseg M, Horner JR 2011. A diminutive deinonychosaur (Dinosauria: Theropoda) from the Early Cretaceous of Öösh (Övörkhангай, Mongolia). *Alcheringa: An Australasian Journal of Palaeontology* DOI:10.1080/03115518.2011.590401.
- Yuong RL, Bever GS, Wang Z, Wagner GP 2011. Identity of the avian wing digits: problems resolved and unsolved. *Developmental Dynamics* 240(5): 1042-1053.
- Xu X, Upchurch P, Ma Q, Pittman M, Choiniere J, Sullivan C, Hone DWE, Tan Q, Tan L, Xiao D, Han F 2011. Osteology of the alvarezsauroid *Linhennykus monodactylus* from the Upper Cretaceous Wulansuhai Formation of Inner Mongolia, China, and comments on alvarezsauroid biogeography. *Acta Palaeontologica Polonica* 58(1): 25-46. doi: 10.4202/app.2011.0083
- Xu X, Sullivan C, Pittman M, Choiniere JN, Hone D, Upchurch P, Tan Q, Xiao D, Tan L, Han F R 2011. A monodactyl nonavian dinosaur and the complex evolution of the alvarezsauroid hand. *PNAS* 108(6): 2338-2342.
- Yuong RL, Wagner GP 2011. Why ontogenetic homology criteria can be misleading: lessons from digit identity transformation. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 314(3): 165-170.
- Abdala V, Diogo R 2010. Comparative anatomy, homologies and evolution of the pectoral and forelimb musculature of tetrapods with special attention to extant limbed amphibians and reptiles. *Journal of Anatomy* 217(5): 536-573.
- Kohlsdorf T, Lynch VJ, Rodrigues MT, Brandley MC, Wagner GP 2010. Data and data interpretation in the study of limb evolution: A reply to Galis et al., On the reevolution of digits in the lizard genus Bachia. *Evolution* 64(8): 2477-2485.
- Larsson HCE, Heppleston AC, Elsey RM 2010. Pentadactyl ground state of the manus of *Alligator mississippiensis* and insights into the evolution of digital reduction in Archosauria. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 314B(7): 571-579.
- Uejima A, Amano T, Nomura N, Noro M, Yasue T, Shiroishi T, Ohta K, Yokoyama H, Tamura K 2010. Anterior shift in gene expression precedes anteriormost digit formation in amniote limbs. *Development, Growth & Differentiation* 52(2): 223-234.
- Delfino M, Sánchez-Villagra MR 2009. A survey of the rock record of reptilian ontogeny. *Seminars in Cell & Developmental Biology* 21: 432-440.
- Young RL, Caputo V, Giovannotti M, Kohlsdorf T, Vargas AO, May GE, Wagner GP 2009. Evolution of digit identity in the three-toed Italian skink *Chalcides chalcides*: a new case of digit identity frame shift. *Evolution & Development* 11(6): 647-658.

- Maxwell EE, Larsson HCE 2009. Comparative ossification sequence and skeletal development of the postcranium of palaeognathous birds (Aves: Palaeognathae). *Zoological Journal of the Linnean Society* 157(1): 169-196.
- James FC, Pournelle IV JA 2009. Cladistics and the origin of birds: A review and two new analyses. *Ornithological Monographs* 66(1): 1-78.
- Xu X, Clark JM, Mo J, Choiniere J, Forster CA, Erickson GM, Hone DWE, Sullivan C, Eberth DA, Nesbitt S, Zhao Q, Hernandez R, Jia C, Han F, Guo Y. 2009. A Jurassic ceratosaur from China helps clarify avian digital homologies. *Nature* 459: 940-944.
- Vargas AO, Wagner GP 2009. Frame-shifts of digit identity in bird evolution and cyclopamine-treated wings. *Evolution & Development* 11(2): 163-169.
- Shapiro MD, Shubin NH, Downs JP 2007. Limb diversity and digit reduction in reptilian evolution. In: Hall BK (ed), *Fins into Limbs – Evolution, Development and Transformation*. Chicago, London: The University of Chicago Press, pp. 225-244.
- Thulborn RA 2006. Theropod dinosaurs, progenesis and birds: homology of digits in the manus. *Neues Jahrbuch für Geologie und Paläontologie-Abhandlungen* 242(2-3): 205-241.
- Kohlsdorf T, Wagner GP 2006. Evidence for the reversibility of digit loss: A phylogenetic study of limb evolution in Bachia (Gymnophthalmidae: Squamata). *Evolution* 60(9): 1896-1912.
- Wilson JA 2006. Anatomical nomenclature of fossil vertebrates: Standardized terms or 'lingua franca'? *Journal of Vertebrate Paleontology* 26(3): 511-518.
- Kurochkin EN 2006. Parallel evolution of theropod dinosaurs and birds. *Zoologichesky Zhurnal* 85(3): 283-297.
- Wagner GP 2005. The developmental evolution of the avian digit homology: An update. *Theory in Biosciences* 124(2): 165-183.
- Feduccia A, Lingham/Soliar T., Hinchliffe R 2005. Do feathered dinosaur exist? Testing the hypothesis on neontological and paleontological evidence. *Journal of Morphology* 266: 125-166.
- Vargas AO, Fallon JF 2005. The digits of the wing of birds are 1, 2, and 3. A Review. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(3): 206-219.
- Welten MCM, Verbeek FJ, Meijer AH, Richardson MK 2005. Gene expression and digit homology in the chicken embryo wing. *Evolution & Development* 7(1): 18-28.
- Vargas AO, Fallon JF 2005. Birds have dinosaur wings: The molecular evidence. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(1): 86-90.
- Zhou ZH 2004. The origin and early evolution of birds: discoveries, disputes, and perspectives from fossil evidence. *Naturwissenschaften* 91(10): 455-471.
- Sereno PC 2004. Birds as dinosaurs. *Acta Zoologica Sinica* 50(6): 991-1001.
- Magnol JR, Mourer-Chauvire C, Bernex F 2004. The origin of birds and the question of homology of the fingers of their manus: disagreements between phylogenetic systematic and developmental biology data. *Revue de Medecine Veterinaire* 155(4): 187-196.
- Brochu CA, Sumrall CD, Theodor JM 2004. When clocks (and communities) collide: Estimating divergence time from molecules and the fossil record. *Journal of Paleontology* 78(1): 1-6.
- Ros MA, Dahn RD, Fernandez-Teran M, Rashka K, Caruccio NC, Hasso SM, Bitgood JJ, Lancman JJ, Fallon JF 2003. The chick *oligozeugodactyly (ozd)* mutant lacks sonic hedgehog function in the limb. *Development* 130: 527-537.
- Shapiro MD, Hanken J, Rosenthal N 2003. Developmental basis of evolutionary digit loss in the Australian lizard *Hemiergis*. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 297B(1): 48-56.
- Feduccia A 2002. Birds are dinosaurs: Simple answers to a complex problem. *The Auk* 119(4): 1187-1201.
- Galis F, van Alphen JJM, Metz JA 2002. Digit reduction: via repatterning or developmental arrest? *Evolution & Development* 4(4): 249-251.

**32. 2001 – MORLO, M., KUNDRÁT, M. The first carnivoran fauna from the Ruscinian (Early Pliocene, MN 15) of Germany. *Paläontologische Zeitschrift* 75(2): 163-187.**  
**Citations: 30**

- Lucenti SB 2018. Revising the species “*Mustela*” *ardea* Gervais, 1848-1852 (Mammalia, Mustelidae): *Martellictis* gen. nov. and the systematics of the fossil “Galictinae” of Eurasia. *Comptes Rendus Palevol* 17(8): 522-535.
- Rook L, Lucenti SB, Tuveri C, Arca M 2018. Mustelids (Carnivora, Mammalia) from Monte Tuttavista fissure fillings (Early and Middle Pleistocene; Orosei, Sardinia): taxonomy and evolution of the insular Sardinian Galictini. *Quaternary Science Reviews* 197(1): 209-223.
- Wang X, Rybczynski N, Harington CR, White SC, Tedford RH 2017. A basal ursine bear (*Protarctos abstrurus*) from the Pliocene High Arctic reveals Eurasian affinities and a diet rich in fermentable sugars. *Scientific Reports* 17722: 7.
- Colombero S, Alba DM., D'Amico C, Delfino M, Esu D, Giuntelli P, Harzhauser M, Mazza PPA, Mosca M, Neubauer TA, Pavia G, Pavia M, Villa A, Carnevale G 2017. Late Messinian mollusks and vertebrates from Moncucco Torinese, north-western Italy. Paleoecological and paleoclimatological implications. *Palaeontologia Electronica* 20.1.10A: 1-66.
- Smith K, Czaplewski N, Cifelli RL 2016. Middle Miocene carnivorans from the Monarch Mill Formation, Nevada. *Acta Palaeontologica Polonica* 61(1): 231-252.
- Geraads D 2016. Pleistocene Carnivora (Mammalia) from Tighennif (Ternifine) Algeria. *Geobios*. <http://dx.doi.org/10.1016/j.geobios.2016.09.001>
- Baryshnikov GF, Lavrov AV 2013. Pliocene bear *Ursus minimus* Devèze de Chabriol et Bouillet, 1827 (Carnivora, Ursidae) in Russia and Kazakhstan. *Russian Journal of Theriology* 12(2): 107-118.
- Fejfar O, Sabol M, Tóth C 2012. Early Pliocene vertebrates from Ivanovce and Hajnáčka (Slovakia). VIII. Ursidae, Mustelidae, Tapiridae, Bovidae and Proboscidea from Ivanovce. *Neues Jahrbuch für Geologie und Paläontologie* 264(2): 95-115.
- Baskin JA. 2011. A new species of Cernictis (Mammalia, Carnivora, Mustelida) from the Late Miocene Bidahochi Formation of Arizona, USA. *Palaeontologia Electronica* 14(3): 26A: 7p.
- Yu L, Peng D, Liu J, Luan P, Liang L, Lee H, Lee M , Ryder OA, Zhang Y. 2011. On the phylogeny of Mustelidae subfamilies: analysis of seventeen nuclear non-coding loci and mitochondrial complete genomes. *BMC Evolutionary Biology* 11:92, doi:10.1186/1471-2148-11-92.
- Wiszniewska T, Mackiewicz P, Stefaniak K, Socha P, Nowakowski D, Nadachowski A 2010 . Dental enamel structure in fossil bears *Ursus spelaeus* and *U. wenzensis* (= *minimus*) in comparison to selected representatives of other Carnivora. In: Nowakowski D (ed), *Morphology and Systematics of Fossil Vertebrates*. DN Publisher, Wroclaw-Poland, pp. 60-77.
- Wagner J, Čermák S, Horáček I 2011. The presence of *Ursus* ex gr. *minimus-thibetanus* in the Late Villányian and its position among the Pliocene and Pleistocene black bears in Europe. *Quaternaire* 4: 39-58.
- Hosoda T, Sato JJ, Lin L-K., Chen Y-J, Harada M, Suzuki H. 2011. Phylogenetic history of mustelid fauna in Taiwan inferred from mitochondrial genetic loci. *Canadian Journal of Zoology* 89(6): 559-569.
- Wallace S 2011. Advanced members of the Ailuridae (“Lesser” or red pandas – subfamily Ailurinae). In: Glatston A (ed), *The Forgotten Panda*. Elsevier, pp.43-60.
- Wagner J 2010. Pliocene to early Middle Pleistocene ursine bears in Europe: a taxonomic overview. *Journal of the National Museum (Prague), Natural History Series* 179(20): 197-215.
- Qiu Z-X, Deng T, Wang B-Y 2009. First ursine bear material from Dongxiang, Gansu. Addition to the Longdan Mammalian Fauna (2). *Vertebrata PalAsiatica* 47(10): 245-264.
- Ogino S, Nakaya H, Takai M, Fukuchi A, Maschenko EN, Kalmykov NP 2009. Mandible and lower dentition of *Parailurus baicalicus* (Ailuridae, Carnivora) from Transbaikal area, Russia. *Paleontological Research* 13(3): 259-264.
- Sabol M, Holec P, Wagner J 2008. Late Pliocene carnivores from Včeláre 2 (Southeastern Slovakia). *Paleonologichesky Zhurnal* 42(5): 531-543.
- Sotnikova M 2008. Carnivora assemblages of the Ruscinian-Early Villafranchian transition: Eastern Europe (Ukraine) and Russia (Transbaikalia) – similarity and distinctions. In:

- Krempaská Z (ed), *Volume of Abstracts - 6<sup>th</sup> Meeting of the European Association of Vertebrate Paleontologists*. Spišská Nová Ves: The Museum of Spiš, pp. 85-88.
- Garcia N, Arsuaga JL, Bermúdez de Castro JM, Carbonell E, Rosas A, Huguet R. 2008. The Epivilafranchian carnivore *Pannonictis* (Mammalia, Mustelidae) from Sima del Elefante (Sierra de Atapuerca, Spain) and a revision of the Eurasian occurrences from a taxonomic perspective. *Quaternary International* 179(1): 42-52.
- Sotnikova M 2008. New species of lesser panada *Parailurus* (Mammalia, Carnivora) from Pliocene of Transbaikalia (Russia) and some aspects of the Ailurinae phylogeny. *Paleonologichesky Zhurnal* 42(1): 92-102.
- Wagner J 2006. Ursids (Genus *Ursus*) in the collection of Naturhistorisches Museum Basel. *Scientific Annals, School of Geology, Aristotle University of Thessaloniki* 98: 127-139.
- Olive F 2006. Evolution of Plio Pleistocene larger Carnivores in Africa and Western Europe. *L'Anthropologie* 110(5): 850-869.
- Montoya P, Ginsburg L, Alberdi MT, van der Made J, Morales J, Soria MD 2006. Fossil large mammals from the early Pliocene locality of Alcoy (Spain) and their importance in biostratigraphy. *Geodiversitas* 28(1): 137-173.
- Peigné S, Salesa MJ, Antón M, Morales J 2005. Ailurid carnivoran mammal *Simocyon* from the late Miocene of Spain and the systematics of the genus. *Acta Palaeontologica Polonica* 50(2):219/238.
- Fejfar O, Sabol M 2004. Pliocene carnivores (Carnivora, Mammalia) from Ivanovce and Hajnáčka (Slovakia). *Courier-Forschungsinstitut Senckenberg* 246: 15-54.
- Wallace SC and Wang X 2004. Two new carnivores from an unusual late Tertiary forest biota in eastern North America. *Nature* 431: 556-559.
- Meijaard, E 2004. Craniometric differences among Malayan Sun bears (*Ursus malayanus*): Evolutionary and taxonomic implications. *The Raffles Bulletin of Zoology* 52(2): 665-672.
- Sasagawa I, Takahashi K, Sakamoto T, Nagamori H, Yabe H, Kobayashi I 2003. Discovery of the extinct red panda *Parailurus* (Mammalia, Carnivora) in Japan. *Journal of Vertebrate Paleontology* 23(4): 895-900.
- Sato JJ, Hosoda T, Wolsan M, Tsuchiya K, Yamamoto M, Suzuki H 2003. Phylogenetic relationships and divergence times among mustelids (Mammalia: Carnivora) based on nucleotide sequences of the nuclear interphotoreceptor retinoid binding protein and mitochondrial cytochrome b genes. *Zoological Science* 20(2): 243-264.

**33. 2001 – MAJLÁTH I., ŠMAJDA, B., KUNDRÁT, M. Biometric analysis of morphological traits in sand lizard (*Lacerta agilis*) from east Slovakia.**

*Folia Zoologica* 46: 253-262.

**Citations: 1**

Eplanova GV, Roitberg ES 2015. Sex identification of juvenile sand lizards, *Lacerta agilis* using digital images. *Amphibia-Reptilia* 36(3): 215-222.

**34. 2004 – KUNDRÁT, M. Two morphotypes of the *Velociraptor* neurocranium.**

*Journal of Morphology* 260(3): 305.

**Citations: 1**

Glut DF 2006. *Dinosaurs. The Encyclopedia*. Supplement 4. McFarland & Company, Inc. Publishers, Jefferson, North Carolina, and London, pp.749 [p. 558].

**35. 2004 – KUNDRÁT, M., CRUICKSHANK, A. R. I., MANNING, T. W., NUDDS, J., JOYSEY, K. A., JI, Q. Skeletal and dental development of therizinosauroid embryos from China.** *Journal of Morphology* 260(3): 305.

**Citations: 1**

Glut DF 2006. *Dinosaurs. The Encyclopedia*. Supplement 4. McFarland & Company, Inc. Publishers, Jefferson, North Carolina, and London, pp.749 [pp. 64-65].

- 36.** 2004 – **KUNDRÁT, M.**, MARYAŃSKA, T., OSMÓLSKA, H. **An oviraptorid neurocranium from Mongolia.** *Journal of Morphology* 260(3): 305.

**Citations: 1**

Glut DF 2006. *Dinosaurs. The Encyclopedia*. Supplement 4. McFarland & Company, Inc. Publishers, Jefferson, North Carolina, and London, pp.749 [p. 373].

- 37.** 2001 – **KUNDRÁT, M.**, SEICHERT, V. **Developmental remnants of the first avian metacarpus.** *Journal of Morphology* 248(3): 252.

**Citations: 3**

Campbell KE 2008. The manus of archaeopterygians: implications for avian ancestry. *Oryctos* 7: 13-26.

Wagner GP 2005. The developmental evolution of the avian digit homology: An update. *Theory in Biosciences* 124(2): 165-183.

Larsson HCE, Wagner GP 2002. Pentadactyl ground state of the avian wing. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 294(2): 146-151.

- 38.** 2001 – **KUNDRÁT, M.**, CURRIE, P.J. **On the embryonic neural endocranum of lambeosaurid hadrosaurs.** *Journal of Morphology* 248(3):252.

**Citations: 1**

Glut DF 2003. *Dinosaurs. The Encyclopedia*. Supplement 3. McFarland & Company, Inc., Publishers, Jefferson, North Carolina, and London pp. 762 [pp. 360-361]

- 39.** 2000 – **KUNDRÁT, M.** **CT detection of embryonic remains within a faveoloolithid dinosaur egg from Mongolia.** *Extended Abstracts, The 1st International Symposium on Dinosaur Eggs and Babies*, 85-91, Isona i Conca Dellá, Spain.

**Citations: 1**

Deeming DC, Unwin DM 2004. Reptilian incubation: evolution and the fossil record. In: Deeming DC (ed), *Reptilian Incubation – Environment, Evolution and Behaviour*. Nottingham: Nottingham University Press, pp. 1-15.

- 40.** 1998 – **KUNDRÁT, M.** **Comments on the significance of integumentary impression of the Early Jurassic theropod *Eubrontes minusculus*.** *Journal of Vertebrate Paleontology* 18 (Suppl.3): 63A.

**Citations: 2**

Glut DF 2002. *Dinosaurs. The Encyclopedia*. Supplement 2. McFarland & Company, Inc., Publishers, Jefferson, North Carolina, and London pp. 685 [pp. 300-301]

Paul GS 2002. *Dinosaurs of the air: The evolution and loss of flight in dinosaurs and birds*. The Johns Hopkins University Press, Baltimore, pp. 460 [p. 66]

- 41.** 1998 – **MICHALÍK, J., KUNDRÁT, M.** **Uppermost Triassic dinosaur ichno-parataxa from Slovakia.** *Journal of Vertebrate Paleontology* 18 (Suppl.3): 57A.

**Citations: 5**

Čerňanský A, Klein N, Soták J, Olšavský M, Šurka J, Herich P 2018. A Middle Triassic pachypleurosaur (Diapsida: Eosauropterygia) from a restricted carbonate ramp in the Western Carpathians (Gutenstein Formation, Fatic Unit): paleogeographic implications. *Geologica Carpathica* 69(1): 3-16.

Lucas S, Klein H, Lockley MG, Spielmann J, Gierlinski GD, Hunt AP, Tanner LH 2006. Triassic-Jurassic stratigraphic distribution of the theropod footprint ichnogenus *Eubrontes*. In: The Triassic-Jurassic Terrestrial Transition (Harris JD, Lucas S, Spellmann JA, Lockley MG, Milner RC, Kirkland JI, eds.). New Mexico Museum of Natural History and Science Bulletin 37: 86-93.

- Niedźwiedzki G. 2011. A Late Triassic dinosaur-dominated ichnofauna from the Tomanová Formation of the Tatra Mountains, central Europe. *Acta Palaeontologica Polonica* 56: 291-300.
- Niedźwiedzki G. 2005. Nowe znalezisko śladów dinozaurów w górnym triasie Tatr. *Przegląd Geologiczny* 53(5): 410-413.
- Weishampel DB, Dodson P, Osmólska H 2004. *The Dinosauria*. Second Edition. University of California Press, Berkeley, pp.861. [p. 525]

**42. 1997 – KUNDRÁT, M. A morphological resolution to the enigma of lesser panda phylogeny. *Journal of Morphology* 232(3): 282.**

**Citations: 3**

- Wallace S 2011. Advanced members of the Ailuridae (“Lesser” or red pandas – subfamily Ailurinae). In: Glatston A (ed), *The Forgotten Panda*. Elsevier, pp.43-60.
- Roček Z 2002. *Vertebrate History – Evolution, Phylogeny, System*. Academia, Praha, pp. 512. [p. 406]
- Wallace SC, Wang X 2004. Two new carnivores from an unusual late Tertiary forest biota in eastern North America. *Nature* 431: 556-559, Supplementary Information.

**43. 1997 – KUNDRÁT, M. New dental remains of an extinct lesser panda - Morphotype or new species? *Journal of Vertebrate Paleontology* 17(Suppl.3): 58A.**

**Citations: 2**

- Wallace S 2011. Advanced members of the Ailuridae (“Lesser” or red pandas – subfamily Ailurinae). In: Glatston A (ed), *The Forgotten Panda*. Elsevier, pp.43-60.
- Wallace SC and Wang X 2004. Two new carnivores from an unusual late Tertiary forest biota in eastern North America. *Nature* 431: 556-559.

**44. 1996 – VOSTÁL, Z., KUNDRÁT, M., PIRČOVÁ, E., KUBIŠ, P. Notes to occurrence of *Urnatella gracilis* Leidy, 1851 (Kamptozoa) in Laborec. *Natura Carpathica* 37: 219-220. [In Slovak with English Summary]**

**Citations: 1**

- Šporka F, Bitušík P, Bulánková E, Cséfalvay R, Čejka T, Derka T, Elexová E, Halgoš J, Hamerlík L, Illéšová D, Jach MA, Kodada J, Košel V, Krno I, Novíkmeč M, Zaťovičová Z 2003. *Slovak Aquatic Macroinvertebrates Checklist and Catalogue of Autecological Notes*. Slovenský hydrometeorologický ústav, Bratislava, pp. 590. [pp. 81, 221]

**45. 1996 – KUNDRÁT, M. The first record of the extinct lesser panda *Parailurus* from Eastern Slovakia. *Natura Carpathica* 37: 211-213. [In Slovak with English Summary]**

**Citations: 2**

- Sabol M, Holeč P, Wagner J 2008. Late Pliocene carnivores from Včeláre 2 (Southeastern Slovakia). *Paleonologichesky Zhurnal* 42(5): 531-543.
- Sotnikova M 2008. New species of lesser panada *Parailurus* (Mammalia, Carnivora) from Pliocene of Transbaikalia (Russia) and some aspects of the Ailurinae phylogeny. *Paleonologichesky Zhurnal* 1: 92-102.