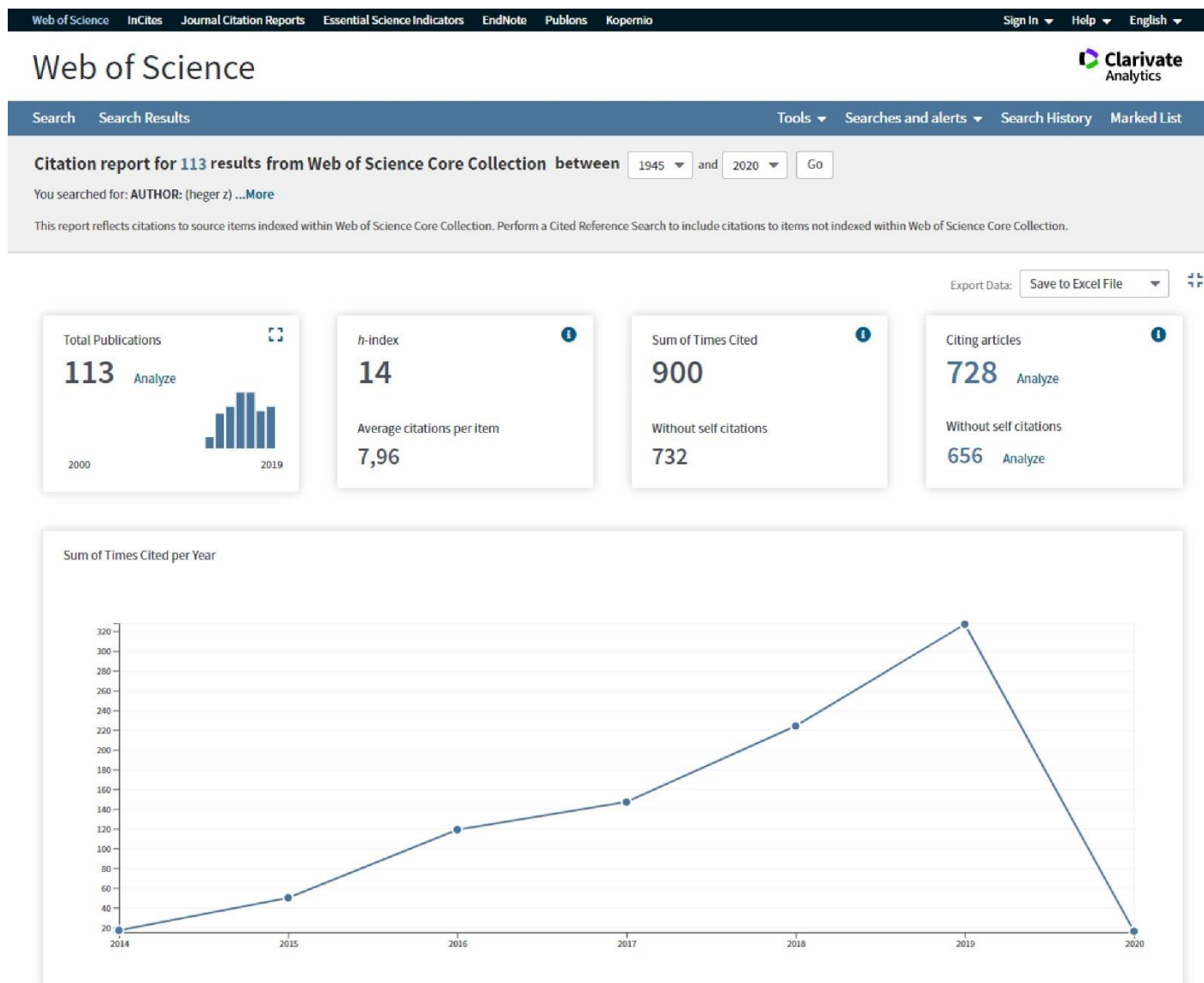


Přehled citací pro habilitační řízení
Mgr. Zbyněk Heger, Ph.D.
ResID-1973-2013, ORCID 0000-0002-3915-7270



		2016	2017	2018	2019	2020	Total	Average Citations per Year
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☐	1. Magnetic Nanoparticles: From Design and Synthesis to Real World Applications By: Kudr, Jiri; Haddad, Yazan; Richtera, Lukas; et al. NANOMATERIALS Volume: 7 Issue: 9 Article Number: 243 Published: SEP 2017	0	1	22	56	3	82	20.50
☐	2. Sarcosine as a Potential Prostate Cancer Biomarker-A Review By: Cernei, Natalia; Heger, Zbynek; Gumulec, Jaromir; et al. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 14 Issue: 7 Pages: 13893-13908 Published: JUL 2013	14	5	12	7	0	50	6.25
☐	3. Carbon dots based FRET for the detection of DNA damage By: Kudr, Jiri; Richtera, Lukas; Xhaxhiu, Kledi; et al. BIOSENSORS & BIOELECTRONICS Volume: 92 Pages: 133-139 Published: JUN 15 2017	0	1	14	26	2	43	10.75
☐	4. Apoferritin applications in nanomedicine By: Heger, Zbynek; Skalickova, Sylvie; Zitka, Ondrej; et al. NANOMEDICINE Volume: 9 Issue: 14 Pages: 2233-2245 Published: 2014	11	11	8	5	0	39	5.57
☐	5. Paramagnetic Nanoparticles as a Platform for FRET-Based Sarcosine Picomolar Detection By: Heger, Zbynek; Cernei, Natalia; Krizkova, Sona; et al. SCIENTIFIC REPORTS Volume: 5 Article Number: 8868 Published: MAR 9 2015	6	7	14	5	0	36	6.00
☐	6. Perspective of Use of Antiviral Peptides against Influenza Virus By: Skalickova, Sylvie; Heger, Zbynek; Krejcova, Ludmila; et al. VIRUSES-BASEL Volume: 7 Issue: 10 Pages: 5428-5442 Published: OCT 2015	1	10	8	13	0	32	5.33
☐	7. Site-Directed Conjugation of Antibodies to Apoferritin Nanocarrier for Targeted Drug Delivery to Prostate Cancer Cells By: Dostalova, Simona; Cerna, Tereza; Hynek, David; et al. ACS APPLIED MATERIALS & INTERFACES Volume: 8 Issue: 23 Pages: 14430-14441 Published: JUN 15 2016	2	7	9	11	0	29	5.80
☐	8. Electrochemical sensing of etoposide using carbon quantum dot modified glassy carbon electrode By: Hoai Viet Nguyen; Richtera, Lukas; Moullick, Amitava; et al. ANALYST Volume: 141 Issue: 9 Pages: 2665-2675 Published: 2016	1	2	4	14	2	23	4.60
☐	9. Sarcosine Up-Regulates Expression of Genes Involved in Cell Cycle Progression of Metastatic Models of Prostate Cancer By: Heger, Zbynek; Rodrigo, Miguel Angel Merlos; Michalek, Petr; et al. PLOS ONE Volume: 11 Issue: 11 Article Number: e0165830 Published: NOV 8 2016	0	2	11	9	0	22	4.40
☐	10. A Novel Insight into the Cardiotoxicity of Antineoplastic Drug Doxorubicin By: Heger, Zbynek; Cernei, Natalia; Kudr, Jiri; et al. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 14 Issue: 11 Pages: 21629-21646 Published: NOV 2013	9	3	1	2	0	20	2.50

						2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report						119	147	224	327	16	900	128.57
☐ or restrict to items published between 1945 and 2020 Go												
☐	11.	Microfluidic chip coupled with modified paramagnetic particles for sarcosine isolation in urine				5	3	0	1	0	20	2.50
		By: Zitka, Ondrej; Cernei, Natalia; Heger, Zbynek; et al. ELECTROPHORESIS Volume: 34 Issue: 18 Special Issue: SI Pages: 2639-2647 Published: SEP 2013										
☐	12.	Determination of common urine substances as an assay for improving prostate carcinoma diagnostics				4	3	5	4	0	17	2.43
		By: Heger, Zbynek; Cernei, Natalia; Gumulec, Jaromir; et al. ONCOLOGY REPORTS Volume: 31 Issue: 4 Pages: 1846-1854 Published: APR 2014										
☐	13.	3D-printed biosensor with poly(dimethylsiloxane) reservoir for magnetic separation and quantum dots-based immunolabeling of metallothionein				6	3	2	4	0	16	2.67
		By: Heger, Zbynek; Zitka, Jan; Cernei, Natalia; et al. ELECTROPHORESIS Volume: 36 Issue: 11-12 Special Issue: SI Pages: 1256-1264 Published: JUN 2015										
☐	14.	Structural effects and nanoparticle size are essential for quantum dots-metallothionein complex formation				3	8	1	2	0	15	2.50
		By: Tmejova, Katerina; Hynek, David; Kopel, Pavel; et al. COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 134 Pages: 262-272 Published: OCT 1 2015										
☐	15.	Cooperative Multifunctional Self-Propelled Paramagnetic Microrobots with Chemical Handles for Cell Manipulation and Drug Delivery				0	0	0	12	0	12	4.00
		By: Villa, Katherine; Krejcova, Ludmila; Novotny, Filip; et al. ADVANCED FUNCTIONAL MATERIALS Volume: 28 Issue: 43 Article Number: 1804343 Published: OCT 24 2018										
☐	16.	Size-related cytotoxicological aspects of polyvinylpyrrolidone-capped platinum nanoparticles				0	2	4	6	0	12	3.00
		By: Buchtelova, Hana; Dostalova, Simona; Michalek, Petr; et al. FOOD AND CHEMICAL TOXICOLOGY Volume: 105 Pages: 337-346 Published: JUL 2017										
☐	17.	Co-delivery of VP-16 and Bcl-2-targeted antisense on PEG-grafted oMWCNTs for synergistic in vitro anti-cancer effects in non-small and small cell lung cancer				0	2	7	3	0	12	3.00
		By: Heger, Zbynek; Polanska, Hana; Krizkova, Sona; et al. COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 150 Pages: 131-140 Published: FEB 1 2017										
☐	18.	Apo ferritin as an ubiquitous nanocarrier with excellent shelf life				0	2	4	6	0	12	3.00
		By: Dostalova, Simona; Vasicikova, Katerina; Hynek, David; et al. INTERNATIONAL JOURNAL OF NANOMEDICINE Volume: 12 Pages: 2265-2278 Published: 2017										
☐	19.	Transport phenomena of nanoparticles in plants and animals/humans				0	2	6	4	0	12	2.40
		By: Anjum, Naser A.; Rodrigo, Miguel Angel Merlos; Moulick, Amitava; et al. ENVIRONMENTAL RESEARCH Volume: 151 Pages: 233-243 Published: NOV 2016										
☐	20.	Prostate tumor attenuation in the nu/nu murine model due to anti-sarcosine antibodies in folate-targeted liposomes				1	4	5	2	0	12	2.40
		By: Heger, Zbynek; Polanska, Hana; Rodrigo, Miguel Angel Merlos; et al. SCIENTIFIC REPORTS Volume: 6 Article Number: 33379 Published: SEP 20 2016										

		2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report								
or restrict to items published between 1945 and 2020 Go		119	147	224	327	16	900	128.57
☐	21. Antiviral activity of fullerene C-60 nanocrystals modified with derivatives of anionic antimicrobial peptide maximin H5 By: Dostalova, Simona; Moutlick, Amitava; Milosavljevic, Vedran; et al. MONATSHEFTE FUR CHEMIE Volume: 147 Issue: 5 Pages: 905-918 Published: MAY 2016	0	3	4	4	1	12	2.40
☐	22. Metallothionein as a Scavenger of Free Radicals - New Cardioprotective Therapeutic Agent or Initiator of Tumor Chemoresistance? By: Heger, Zbynek; Rodrigo, Miguel Angel Merlos; Krizkova, Sona; et al. CURRENT DRUG TARGETS Volume: 17 Issue: 12 Pages: 1438-1451 Published: 2016	1	4	7	0	0	12	2.40
☐	23. Nanotechnologies in protein microarrays By: Krizkova, Sona; Heger, Zbynek; Zalewska, Marta; et al. NANOMEDICINE Volume: 10 Issue: 17 Pages: 2743-2755 Published: 2015	1	4	4	2	0	12	2.00
☐	24. Antimicrobial Agent Based on Selenium Nanoparticles and Carboxymethyl Cellulose for the Treatment of Bacterial Infections By: Hegerova, Dagmar; Vesely, Radek; Cihalova, Kristyna; et al. JOURNAL OF BIOMEDICAL NANOTECHNOLOGY Volume: 13 Issue: 7 Pages: 767-777 Published: JUL 2017	0	1	7	3	0	11	2.75
☐	25. Label-free bead-based metallothionein electrochemical immunosensor By: Nejdl, Lukas; Hoai Viet Nguyen; Richtera, Lukas; et al. ELECTROPHORESIS Volume: 36 Issue: 16 Special Issue: SI Pages: 1894-1904 Published: AUG 2015	3	5	2	1	0	11	1.83
☐	26. Preconcentration based on paramagnetic microparticles for the separation of sarcosine using hydrophilic interaction liquid chromatography coupled with coulometric detection By: Zitka, Ondrej; Heger, Zbynek; Kominkova, Marketa; et al. JOURNAL OF SEPARATION SCIENCE Volume: 37 Issue: 5 Pages: 465-475 Published: MAR 2014	3	0	1	2	1	11	1.57
☐	27. Spatial mapping of metals in tissue-sections using combination of mass-spectrometry and histology through image registration By: Anyz, Jiri; Vyslouzilova, Lenka; Vaculovic, Tomas; et al. SCIENTIFIC REPORTS Volume: 7 Article Number: 40169 Published: JAN 10 2017	0	2	2	6	0	10	2.50
☐	28. An insight into the complex roles of metallothioneins in malignant diseases with emphasis on (sub)isoforms/isoforms and epigenetics phenomena By: Krizkova, Sona; Kepinska, Marta; Emri, Gabriella; et al. PHARMACOLOGY & THERAPEUTICS Volume: 183 Pages: 90-117 Published: MAR 2018	0	0	4	5	0	9	3.00
☐	29. Relation of exposure to amino acids involved in sarcosine metabolic pathway on behavior of non-tumor and malignant prostatic cell lines By: Heger, Zbynek; Gumulec, Jaromir; Cernel, Natalia; et al. PROSTATE Volume: 76 Issue: 7 Pages: 679-690 Published: MAY 15 2016	1	1	5	2	0	9	1.80
☐	30. Metallothioneins in Prion- and Amyloid-Related Diseases By: Adam, Pavlina; Krizkova, Sona; Heger, Zbynek; et al. JOURNAL OF ALZHEIMERS DISEASE Volume: 51 Issue: 3 Pages: 637-656 Published: 2016	0	6	3	0	0	9	1.80

		2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report								
or restrict to items published between 1945 and 2020 Go		119	147	224	327	16	900	128.57
☐	31. gamma-Fe2O3 Nanoparticles Covered with Glutathione-Modified Quantum Dots as a Fluorescent Nanotransporter By: Heger, Zbynek; Cernei, Natalia; Blazkova, Iva; et al. CHROMATOGRAPHIA Volume: 77 Issue: 21-22 Pages: 1415-1423 Published: NOV 2014	4	2	1	0	0	9	1.29
☐	32. Ultrafast Electrochemical Trigger Drug Delivery Mechanism for Nanographene Micromachines By: Khezri, Bahareh; Mousavi, Seyyed Mohsen Beladi; Krejcova, Ludmila; et al. ADVANCED FUNCTIONAL MATERIALS Volume: 29 Issue: 4 Article Number: 1806696 Published: JAN 24 2019	0	0	0	8	0	8	4.00
☐	33. Cytochrome b(5) plays a dual role in the reaction cycle of cytochrome P450 3A4 during oxidation of the anticancer drug ellipticine By: Stiborova, Marie; Indra, Radek; Frei, Eva; et al. MONATSHFTE FUR CHEMIE Volume: 148 Issue: 11 Special Issue: SI Pages: 1983-1991 Published: NOV 2017	0	0	2	6	0	8	2.00
☐	34. Amino Acid Profiling of Zinc Resistant Prostate Cancer Cell Lines: Associations With Cancer Progression By: Kratochvilova, Monika; Raudenska, Martina; Heger, Zbynek; et al. PROSTATE Volume: 77 Issue: 6 Pages: 604-616 Published: MAY 1 2017	0	1	1	6	0	8	2.00
☐	35. Exposure to 17 beta-Oestradiol Induces Oxidative Stress in the Non-Oestrogen Receptor Invertebrate Species Eisenia fetida By: Heger, Zbynek; Michalek, Petr; Guran, Roman; et al. PLOS ONE Volume: 10 Issue: 12 Article Number: e0145426 Published: DEC 22 2015	3	1	4	0	0	8	1.33
☐	36. 17 beta-estradiol-containing liposomes as a novel delivery system for the antisense therapy of ER-positive breast cancer: An in vitro study on the MCF-7 cell line By: Heger, Zbynek; Gumulec, Jaromir; Cernei, Natalia; et al. ONCOLOGY REPORTS Volume: 33 Issue: 2 Pages: 921-929 Published: FEB 2015	1	4	1	0	0	8	1.33
☐	37. Isolation of Biogenic Amines Using Paramagnetic Microparticles Off-Line Coupled with Ion Exchange Liquid Chromatography By: Cernei, Natalia; Heger, Zbynek; Kopel, Pavel; et al. CHROMATOGRAPHIA Volume: 77 Issue: 21-22 Pages: 1451-1459 Published: NOV 2014	4	0	1	2	0	8	1.14
☐	38. MALDI MSI of MeLiM melanoma: Searching for differences in protein profiles By: Guran, Roman; Vanickova, Lucie; Horak, Vratislav; et al. PLOS ONE Volume: 12 Issue: 12 Article Number: e0189305 Published: DEC 8 2017	0	0	2	5	0	7	1.75
☐	39. Trk Receptors and Neurotrophin Cross-Interactions: New Perspectives Toward Manipulating Therapeutic Side-Effects By: Haddad, Yazan; Adam, Vojtech; Heger, Zbynek FRONTIERS IN MOLECULAR NEUROSCIENCE Volume: 10 Article Number: 130 Published: MAY 3 2017	0	0	3	4	0	7	1.75
☐	40. Gold nanoparticles-modified nanomaghemitite and quantum dots-based hybridization assay for detection of HPV By: Jimenez, Ana Maria Jimenez; Merlos Rodrigo, Miguel Angel; Milosavljevic, Vedran; et al. SENSORS AND ACTUATORS B-CHEMICAL Volume: 240 Pages: 503-510 Published: MAR 2017	0	2	2	3	0	7	1.75

		2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report								
or restrict to items published between 1945 and 2020 Go		119	147	224	327	16	900	128.57
☐	41. The Zinc-Schiff Base-Novocidin Complex as a Potential Prostate Cancer Therapy By: Milosavljevic, Vedran; Haddad, Yazan; Rodrigo, Miguel Angel Merlos; et al. PLOS ONE Volume: 11 Issue: 10 Article Number: e0163983 Published: OCT 11 2016	0	1	4	2	0	7	1.40
☐	42. Remote-Controlled Robotic Platform for Electrochemical Determination of Water Contaminated by Heavy Metal Ions By: Nejdl, Lukas; Kudr, Jiri; Ruttkay-Nedecky, Branislav; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 10 Issue: 4 Pages: 3635-3643 Published: APR 2015	3	3	0	0	0	7	1.17
☐	43. Fluorescence resonance energy transfer between green fluorescent protein and doxorubicin enabled by DNA nanotechnology By: Heger, Zbynek; Kominkova, Marketa; Cernei, Natalia; et al. ELECTROPHORESIS Volume: 35 Issue: 23 Pages: 3290-3301 Published: DEC 2014	3	0	2	0	0	7	1.00
☐	44. Study of Functional Qualities of Different Types of Tailored Liposomes with Encapsulated Doxorubicin using Electrochemical and Optical Methods By: Kominkova, Marketa; Guran, Roman; Rodrigo, Miguel Angel Merlos; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 9 Issue: 6 Pages: 2993-3007 Published: JUN 2014	3	0	0	0	0	7	1.00
☐	45. Influence of microbiome species in hard-to-heal wounds on disease severity and treatment duration By: Chudobova, Dagmar; Cihalova, Kristyna; Guran, Roman; et al. BRAZILIAN JOURNAL OF INFECTIOUS DISEASES Volume: 19 Issue: 6 Pages: 604-613 Published: NOV-DEC 2015	1	2	1	2	0	6	1.00
☐	46. Study of Linkage between Glutathione Pathway and the Antibiotic Resistance of Escherichia coli from Patients' Swabs By: Kominkova, Marketa; Michalek, Petr; Cihalova, Kristyna; et al. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 16 Issue: 4 Pages: 7210-7229 Published: APR 2015	0	2	1	2	0	6	1.00
☐	47. gamma-Fe2O3 Magnetic Core Functionalized with Tetraethyl Orthosilicate and 3-Aminopropyl Triethoxysilane for an Isolation of H7N7 Influenza Serotype Virions By: Heger, Zbynek; Cernei, Natalia; Guran, Roman; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 9 Issue: 7 Pages: 3374-3385 Published: JUL 2014	3	2	0	0	0	6	0.86
☐	48. HIV Biosensors - The Potential of the Electrochemical Way By: Rodrigo, Miguel Angel Merlos; Heger, Zbynek; Cernei, Natalia; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 9 Issue: 7 Pages: 3449-3457 Published: JUL 2014	2	0	0	2	1	6	0.86
☐	49. Recoverable Bismuth-Based Microrobots: Capture, Transport, and On-Demand Release of Heavy Metals and an Anticancer Drug in Confined Spaces By: Beladi-Mousavi, Seyyed Mohsen; Khezri, Bahareh; Krejcova, Ludmila; et al. ACS APPLIED MATERIALS & INTERFACES Volume: 11 Issue: 14 Pages: 13359-13369 Published: APR 10 2019	0	0	0	5	0	5	2.50
☐	50. Prostate-Specific Membrane Antigen-Targeted Site-Directed Antibody-Conjugated Apoferritin Nanovehicle Favorably Influences In Vivo Side Effects of Doxorubicin By: Dostalova, Simona; Polanska, Hana; Svobodova, Marketa; et al. SCIENTIFIC REPORTS Volume: 8 Article Number: 8867 Published: JUN 11 2018	0	0	0	4	1	5	1.67

		2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report								
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☐	51. Advanced nanotechnologies in avian influenza: Current status and future trends - A review By: Moulick, Amitava; Richtera, Lukas; Milosavljevic, Vedran; et al. ANALYTICA CHIMICA ACTA Volume: 983 Pages: 42-53 Published: AUG 29 2017	0	0	3	2	0	5	1.25
☐	52. Guidelines for Homology Modeling of Dopamine, Norepinephrine, and Serotonin Transporters By: Haddad, Yazan; Heger, Zbynek; Adam, Vojtech ACS CHEMICAL NEUROSCIENCE Volume: 7 Issue: 11 Pages: 1607-1613 Published: NOV 2016	0	1	4	0	0	5	1.00
☐	53. Pharmaceutical Electrochemistry: the Electrochemical Oxidation of Paracetamol and Its Voltammetric Sensing in Biological Samples Based on Screen Printed Graphene Electrodes By: Fernandez, Carlos; Heger, Zbynek; Kizek, Rene; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 10 Issue: 9 Pages: 7440-7452 Published: SEP 2015	1	1	0	3	0	5	0.83
☐	54. Characterization of Multi-Walled Carbon Nanotubes Double-Functionalization with Cytostatic Drug Etoposide and Phosphorothioate Oligodeoxynucleotides By: Heger, Zbynek; Moulick, Amitava; Hoai Viet Nguyen; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 10 Issue: 9 Pages: 7707-7719 Published: SEP 2015	1	2	0	1	1	5	0.83
☐	55. In Vitro Interactions between 17 beta-Estradiol and DNA Result in Formation of the Hormone-DNA Complexes By: Heger, Zbynek; Guran, Roman; Zitka, Ondrej; et al. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH Volume: 11 Issue: 8 Pages: 7725-7739 Published: AUG 2014	3	1	0	0	0	5	0.71
☐	56. Identification of estrogen receptor proteins in breast cancer cells using matrix-assisted laser desorption/ionization time of flight mass spectrometry By: Heger, Zbynek; Rodrigo, Miguel Angel Merlos; Krizkova, Sona; et al. ONCOLOGY LETTERS Volume: 7 Issue: 5 Pages: 1341-1344 Published: MAY 2014	1	2	0	0	0	5	0.71
☐	57. Molecular biology of beta-estradiol-estrogen receptor complex binding to estrogen response element and the effect on cell proliferation By: Heger, Zbynek; Zitka, Ondrej; Krizkova, Sona; et al. NEUROENDOCRINOLOGY LETTERS Volume: 34 Supplement: 2 Pages: 123-129 Published: 2013	1	0	1	0	0	5	0.63
☐	58. Dual-color quantum dots-based simultaneous detection of HPV-HIV co-infection By: Jimenez, Ana Maria Jimenez; Moulick, Amitava; Richtera, Lukas; et al. SENSORS AND ACTUATORS B-CHEMICAL Volume: 258 Pages: 295-303 Published: APR 1 2018	0	0	1	3	0	4	1.33
☐	59. Comparative gene expression profiling of human metallothionein-3 up-regulation in neuroblastoma cells and its impact on susceptibility to cisplatin By: Rodrigo, Miguel Angel Merlos; Dostalova, Simona; Buchtelova, Hana; et al. ONCOTARGET Volume: 9 Issue: 4 Pages: 4427-4439 Published: JAN 12 2018	0	0	0	4	0	4	1.33
☐	60. Visualization of stable ferritin complexes with palladium, rhodium and iridium nanoparticles detected by their catalytic activity in native polyacrylamide gels By: Pekarik, Vladimir; Peskova, Marie; Guran, Roman; et al. DALTON TRANSACTIONS Volume: 46 Issue: 40 Pages: 13690-13694 Published: OCT 28 2017	0	0	0	3	1	4	1.00

		2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report		119	147	224	327	16	900	128.57
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☐	61. Anticarcinogenic Effect of Spices Due to Phenolic and Flavonoid Compounds-In Vitro Evaluation on Prostate Cells By: Lackova, Zuzana; Buchtelova, Hana; Buchtova, Zdenka; et al. MOLECULES Volume: 22 Issue: 10 Article Number: 1626 Published: OCT 2017	0	0	1	3	0	4	1.00
☐	62. Exceptional release kinetics and cytotoxic selectivity of oxidised MWCNTs double-functionalised with doxorubicin and prostate-homing peptide By: Milosavljevic, Vedran; Krejcova, Ludmila; Guran, Roman; et al. COLLOIDS AND SURFACES B-BIOINTERFACES Volume: 156 Pages: 123-132 Published: AUG 1 2017	0	0	3	1	0	4	1.00
☐	63. Fully automated two-step assay for detection of metallothionein through magnetic isolation using functionalized gamma-Fe2O3 particles By: Rodrigo, Miguel Angel Merlos; Krejcova, Ludmila; Kudr, Jiri; et al. JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES Volume: 1039 Pages: 17-27 Published: DEC 15 2016	0	2	0	2	0	4	0.80
☐	64. Evaluation of EGFR as a prognostic and diagnostic marker for head and neck squamous cell carcinoma patients By: Polanska, Hana; Raudenska, Martina; Hudcova, Kristyna; et al. ONCOLOGY LETTERS Volume: 12 Issue: 3 Pages: 2127-2132 Published: SEP 2016	0	1	1	2	0	4	0.80
☐	65. Effect of HPV on tumor expression levels of the most commonly used markers in HNSCC By: Polanska, Hana; Heger, Zbynek; Gumulec, Jaromir; et al. TUMOR BIOLOGY Volume: 37 Issue: 6 Pages: 7193-7201 Published: JUN 2016	1	1	2	0	0	4	0.80
☐	66. Differences in urinary proteins related to surgical margin status after radical prostatectomy By: Heger, Zbynek; Michalek, Petr; Guran, Roman; et al. ONCOLOGY REPORTS Volume: 34 Issue: 6 Pages: 3247-3255 Published: DEC 2015	1	1	0	2	0	4	0.67
☐	67. Electrochemical Microarray for Identification Pathogens: A Review By: Rodrigo, Miguel Angel Merlos; Zitka, Ondrej; Krejcova, Ludmila; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 9 Issue: 7 Pages: 3431-3439 Published: JUL 2014	3	1	0	0	0	4	0.57
☐	68. Sarcosine influences apoptosis and growth of prostate cells via cell-type specific regulation of distinct sets of genes By: Rodrigo, Miguel A. Merlos; Strmiska, Vladislav; Horackova, Eva; et al. PROSTATE Volume: 78 Issue: 2 Pages: 104-112 Published: FEB 1 2018	0	0	0	3	0	3	1.00
☐	69. Novel vancomycin-peptide conjugate as potent antibacterial agent against vancomycin-resistant Staphylococcus aureus By: Jelinkova, Pavlina; Splichal, Zbynek; Jimenez, Ana Maria Jimenez; et al. INFECTION AND DRUG RESISTANCE Volume: 11 Pages: 1807-1817 Published: 2018	0	0	0	3	0	3	1.00
☐	70. Establishment of oral squamous cell carcinoma cell line and magnetic bead-based isolation and characterization of its CD90/CD44 subpopulations By: Svobodova, Marketa; Raudenska, Martina; Gumulec, Jaromir; et al. ONCOTARGET Volume: 8 Issue: 39 Pages: 66254-66269 Published: SEP 12 2017	0	0	1	2	0	3	0.75

		2016	2017	2018	2019	2020	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report								
or restrict to items published between 1945 and 2020 Go		119	147	224	327	16	900	128.57
☐	71. Targeting Neuroblastoma Cell Surface Proteins: Recommendations for Homology Modeling of hNET, ALK, and TrkB By: Haddad, Yazan; Heger, Zbynek; Adam, Vojtech FRONTIERS IN MOLECULAR NEUROSCIENCE Volume: 10 Article Number: 7 Published: JAN 20 2017	0	2	1	0	0	3	0.75
☐	72. Alternative Synthesis Route of Biocompatible Polyvinylpyrrolidone Nanoparticles and Their Effect on Pathogenic Microorganisms By: Milosavljevic, Vedran; Jelinkova, Pavlina; Jimenez, Ana Maria Jimenez; et al. MOLECULAR PHARMACEUTICS Volume: 14 Issue: 1 Pages: 221-233 Published: JAN 2017	0	1	1	1	0	3	0.75
☐	73. Zinc and zinc-containing biomolecules in childhood brain tumors By: Hrabeta, Jan; Eckschlager, Tomas; Stiborova, Marie; et al. JOURNAL OF MOLECULAR MEDICINE-JMM Volume: 94 Issue: 11 Pages: 1199-1215 Published: NOV 2016	0	1	0	2	0	3	0.60
☐	74. Bioconjugation of peptides using advanced nanomaterials to examine their interactions in 3D printed flow-through device By: Michalek, Petr; Richtera, Lukas; Krejцова, Ludmila; et al. ELECTROPHORESIS Volume: 37 Issue: 3 Special Issue: SI Pages: 444-454 Published: FEB 2016	1	0	1	1	0	3	0.60
☐	75. Role of Phytochelatins in Redox Caused Stress in Plants and Animals By: Rodrigo, Miguel Angel Merlos; Anjum, Naser A.; Heger, Zbynek; et al. ABIOTIC AND BIOTIC STRESS IN PLANTS - RECENT ADVANCES AND FUTURE PERSPECTIVES Pages: 395-410 Published: 2016	1	0	0	2	0	3	0.60
☐	76. The Electrochemical and Statistical Evaluation of Isolation of Mellitin and Apamin from Honey Bee (Apis Mellifera) Venom By: Nguyen, Hoai Viet; Heger, Zbynek; Kominkova, Marketa; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 10 Issue: 2 Pages: 1249-1260 Published: FEB 2015	2	0	0	0	0	3	0.50
☐	77. Spectroscopic and Electrochemical Characterization of CD4 Binding Site of HIV-1 Exterior Envelope gp120 By: Cernei, Natalia; Heger, Zbynek; Kopel, Pavel; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 9 Issue: 7 Pages: 3386-3397 Published: JUL 2014	2	0	0	0	0	3	0.43
☐	78. Folic acid-mediated re-shuttling of ferritin receptor specificity towards a selective delivery of highly cytotoxic nickel(II) coordination compounds By: Tesarova, Barbora; Charousova, Marketa; Dostalova, Simona; et al. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 126 Pages: 1099-1111 Published: APR 1 2019	0	0	0	2	0	2	1.00
☐	79. Mass spectrometric imaging of cysteine rich proteins in human skin By: Vanickova, Lucie; Guran, Roman; Kollar, Sandor; et al. INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES Volume: 125 Pages: 270-277 Published: MAR 15 2019	0	0	0	2	0	2	1.00
☐	80. Differences in Urinary Amino Acid Patterns in Individuals with Different Types of Urological Tumor Urinary Amino Acid Patterns as Markers of Urological Tumors By: Duskova, Katerina; Vesely, Stepan; Silva, Joana Do Carmo; et al. IN VIVO Volume: 32 Issue: 2 Pages: 425-429 Published: MAR-APR 2018	0	0	1	1	0	2	0.67

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☐	82. A two-step protocol for isolation of influenza A (H7N7) virions and their RNA for PCR diagnostics based on modified paramagnetic particles By: Michalek, Petr; Dostalova, Simona; Buchtelova, Hana; et al. ELECTROPHORESIS Volume: 37 Issue: 14 Pages: 2025-2035 Published: JUL 2016	0	1	0	1	0	2	0.40
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☐	84. 3D printed stratospheric probe as a platform for determination of DNA damage based on carbon quantum dots/DNA complex fluorescence increase By: Heger, Zbynek; Zitka, Jan; Nejdl, Lukas; et al. MONATSHFTE FUR CHEMIE Volume: 147 Issue: 5 Pages: 873-880 Published: MAY 2016	0	1	0	1	0	2	0.40
☐	85. Nanoparticles Suitable for BCAA Isolation Can Serve for Use in Magnetic Lipoplex-Based Delivery System for L, I, V, or R-rich Antimicrobial Peptides By: Vesely, Radek; Jelinkova, Pavlina; Hegerova, Dagmar; et al. MATERIALS Volume: 9 Issue: 4 Article Number: 260 Published: APR 2016	1	0	0	1	0	2	0.40
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☐	87. Ellipticine-loaded apoferritin nanocarrier retains DNA adduct-based cytochrome P450-facilitated toxicity in neuroblastoma cells By: Indra, Radek; Cerna, Tereza; Heger, Zbynek; et al. TOXICOLOGY Volume: 419 Pages: 40-54 Published: MAY 1 2019	0	0	0	0	1	1	0.50
☐	88. Prostate cancer-specific hallmarks of amino acids metabolism: Towards a paradigm of precision medicine By: Strmiska, Vladislav; Michalek, Petr; Eckschlager, Tomas; et al. BIOCHIMICA ET BIOPHYSICA ACTA-REVIEWS ON CANCER Volume: 1871 Issue: 2 Pages: 248-258 Published: APR 2019	0	0	0	1	0	1	0.50
☐	89. Transcriptomic Landscape of Cisplatin-Resistant Neuroblastoma Cells By: Rodrigo, Miguel Angel Merlos; Buchtelova, Hana; Jimenez, Ana Maria Jimenez; et al. CELLS Volume: 8 Issue: 3 Article Number: 235 Published: MAR 2019	0	0	0	0	1	1	0.50
☐	90. Proteomic Signature of Neuroblastoma Cells UKF-NB-4 Reveals Key Role of Lysosomal Sequestration and the Proteasome Complex in Acquiring Chemoresistance to Cisplatin By: Rodrigo, Miguel Angel Merlos; Buchtelova, Hana; de los Rios, Vivian; et al. JOURNAL OF PROTEOME RESEARCH Volume: 18 Issue: 3 Pages: 1255-1263 Published: MAR 2019	0	0	0	1	0	1	0.50

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☐ 92. Real-Time Visualization of Cell Membrane Damage Using Gadolinium-Schiff Base Complex-Doped Quantum Dots By: Moulick, Amitava; Heger, Zbynek; Milosavljevic, Vedran; et al. ACS APPLIED MATERIALS & INTERFACES Volume: 10 Issue: 42 Pages: 35859-35868 Published: OCT 24 2018	0	0	0	1	0	1	0.33
☐ 93. Functional Analysis of Novicidin Peptide: Coordinated Delivery System for Zinc via Schiff Base Ligand By: Milosavljevic, Vedran; Haddad, Yazan; Moulick, Amitava; et al. BIOCONJUGATE CHEMISTRY Volume: 29 Issue: 9 Pages: 2954-2969 Published: SEP 2018	0	0	0	1	0	1	0.33
☐ 94. Improving cytocompatibility of CdTe quantum dots by Schiff-base-coordinated lanthanides surface doping By: Buchtelova, Hana; Strmiska, Vladislav; Skubalova, Zuzana; et al. JOURNAL OF NANOBIO TECHNOLOGY Volume: 16 Article Number: 43 Published: APR 19 2018	0	0	0	1	0	1	0.33
☐ 95. Identification of Sarcosine as a Target Molecule for the Canine Olfactory Detection of Prostate Carcinoma By: Pacik, Dalibor; Plevova, Mariana; Urbanova, Lucie; et al. SCIENTIFIC REPORTS Volume: 8 Article Number: 4958 Published: MAR 21 2018	0	0	0	1	0	1	0.33
☐ 96. DNA-magnetic Particle Binding Analysis by Dynamic and Electrophoretic Light Scattering By: Haddad, Yazan; Dostalova, Simona; Kudr, Jiri; et al. JOVE-JOURNAL OF VISUALIZED EXPERIMENTS Issue: 129 Article Number: UNSP e56815 Published: NOV 2017	0	0	0	1	0	1	0.25
☐ 97. pH-Responsive Hybrid Organic-Inorganic Ruthenium Nanoparticles for Controlled Release of Doxorubicin By: Buchtelova, Hana; Strmiska, Vladislav; Dostalova, Simona; et al. PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION Volume: 34 Issue: 11 Article Number: 1700289 Published: NOV 2017	0	0	0	1	0	1	0.25
☐ 98. Rapid Distinguishing between Rhodium and Palladium in Highly Contaminated Waters Using Amperometry By: Heger, Zbynek; Kominkova, Marketa; Zitka, Ondrej; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 11 Issue: 6 Pages: 4645-4657 Published: JUN 2016	0	0	1	0	0	1	0.20
☐ 99. Influence of Long-Distance Bicycle Riding on Serum/Urinary Biomarkers of Prostate Cancer By: Heger, Zbynek; Gumulec, Jaromir; Ondrak, Ales; et al. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 17 Issue: 3 Article Number: 377 Published: MAR 2016	0	1	0	0	0	1	0.20
☐ 100. Electrochemical Microarray as a Rapid Tool for Identification of Mutations in Influenza Virus Genes By: Rodrigo, Miguel-Angel Merlos; Krejcova, Ludmila; Heger, Zbynek; et al. INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 10 Issue: 12 Pages: 9952-9967 Published: DEC 2015	1	0	0	0	0	1	0.17

						2016	2017	2018	2019	2020	Total	Average Citations per Year
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☐	102.	Flow Injection Analysis with Electrochemical Detection for Rapid Identification of Platinum-Based Cytostatics and Platinum Chlorides in Water	By: Kominkova, Marketa; Heger, Zbynek; Zitka, Ondrej; et al. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH Volume: 11 Issue: 2 Pages: 1715-1724 Published: FEB 2014			0	1	0	0	0	1	0.14
☐	103.	One-step detection of human papilloma viral infection using quantum dot-nucleotide interaction specificity	By: Jimenez, Ana Maria Jimenez; Moulick, Amitava; Bhowmick, Sukanya; et al. TALANTA Volume: 205 Article Number: UNSP 120111 Published: DEC 1 2019			0	0	0	0	0	0	0.00
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☐	105.	Nanoparticle-drug conjugates treating bacterial infections	By: Jelinkova, Pavlina; Mazumdar, Aninda; Sur, Vishma Pratap; et al. JOURNAL OF CONTROLLED RELEASE Volume: 307 Pages: 166-185 Published: AUG 10 2019			0	0	0	0	0	0	0.00
☐	106.	Identification of Human Enzymes Oxidizing the Anti-Thyroid-Cancer Drug Vandetanib and Explanation of the High Efficiency of Cytochrome P450 3A4 in its Oxidation	By: Indra, Radek; Pompach, Petr; Martinek, Vaclav; et al. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 20 Issue: 14 Article Number: 3392 Published: JUL 2 2019			0	0	0	0	0	0	0.00
☐	107.	Sarcosine is a prostate epigenetic modifier that elicits aberrant methylation patterns through the SAME-Dnmts axis	By: Strmiska, Vladislav; Michalek, Petr; Lackova, Zuzana; et al. MOLECULAR ONCOLOGY Volume: 13 Issue: 5 Pages: 1002-1017 Published: MAY 2019			0	0	0	0	0	0	0.00
☐	108.	Synthesis and structural characterization of antimicrobial binuclear copper (II) coordination compounds bridged by hydroxy- and/or thiodipropionic acid	By: Buchtelova, Hana; Skubalova, Zuzana; Strmiska, Vladislav; et al. JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 191 Pages: 8-20 Published: FEB 2019			0	0	0	0	0	0	0.00
☐	109.	Tuning the surface coating of IONs toward efficient sonochemical tethering and sustained liberation of topoisomerase II poisons	By: Michalkova, Hana; Strmiska, Vladislav; Kudr, Jiri; et al. INTERNATIONAL JOURNAL OF NANOMEDICINE Volume: 14 Pages: 7609-7624 Published: 2019			0	0	0	0	0	0	0.00
☐	110.	Post-treatment urinary sarcosine as a predictor of recurrent relapses in patients with prostate cancer	By: Gumulec, Jaromir; Raudenska, Martina; Pacik, Dalibor; et al. CANCER MEDICINE Volume: 7 Issue: 11 Pages: 5411-5419 Published: NOV 2018			0	0	0	0	0	0	0.00

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☐	111. Investigation of Detergent-Modified Enzymomimetic Activities of TEMED-Templated Nanoceria Towards Fluorescent Detection of Their Cellular Uptake By: Peskova, Marie; Heger, Zbynek; Dostalova, Simona; et al. CHEMISTRYSELECT Volume: 3 Issue: 36 Pages: 10139-10146 Published: SEP 28 2018	0	0	0	0	0	0	0.00
☐	112. Tyrosine kinase inhibitors vandetanib, lenvatinib and cabozantinib modulate oxidation of an anticancer agent ellipticine catalyzed by cytochromes P450 in vitro By: Kolarik, Matus; Indra, Radek; Adam, Vojtech; et al. NEUROENDOCRINOLOGY LETTERS Volume: 39 Issue: 7 Pages: 515-524 Article Number: PMID 30860683 Published: 2018	0	0	0	0	0	0	0.00
☐	113. Electrochemical and optical study of metallothionein interactions with prion proteins By: Cardova, Alzbeta; Adam, Pavlina; Mariani, Stefano; et al. JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS Volume: 140 Pages: 355-361 Published: JUN 5 2017	0	0	0	0	0	0	0.00
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