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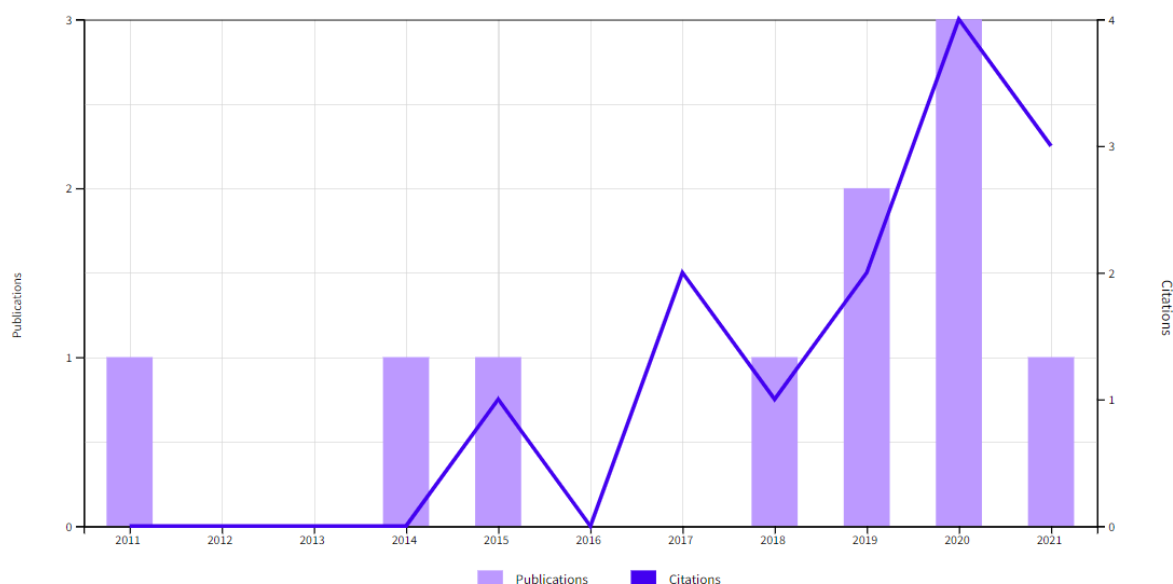
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|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2017                                                      | 2018 | 2019 | 2020 | 2021 |                  |       |
| Total           |                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                                         | 1    | 2    | 4    | 3    | 1.86             | 13    |
| 1               | Biochemistry Games: AZ-Quiz and Jeopardy!<br><a href="#">Rostejska, M</a> and <a href="#">Klimova, H</a><br>Apr 2011   <a href="#">JOURNAL OF CHEMICAL EDUCATION</a> 88 (4) , pp.432-433                                                                                                                                                                                                                                                                    | 1                                                         | 1    | 1    | 3    | 2    | 0.73             | 8     |
| 2               | Using Adobe Flash Animations of electron transport chain to teach and learn biochemistry<br><a href="#">Tepla, M</a> and <a href="#">Klimova, H</a><br>Jul-aug 2015   <a href="#">BIOCHEMISTRY AND MOLECULAR BIOLOGY EDUCATION</a> 43 (4) , pp.294-299                                                                                                                                                                                                      | 1                                                         | 0    | 1    | 0    | 1    | 0.43             | 3     |
| 3               | Digestion in human body in Science education - results of a questionnaire<br><a href="#">Sarboch, D</a> and <a href="#">Tepla, M</a><br>16th Conference on Project-Based Education And Other Activating Strategies In Science Education<br>2019   PROJECT-BASED EDUCATION AND OTHER ACTIVATING STRATEGIES IN SCIENCE EDUCATION XVI (PBE 2018) , pp.121-130                                                                                                  | 0                                                         | 0    | 0    | 1    | 0    | 0.33             | 1     |
| 4               | Photosynthesis in Dynamic Animations<br><a href="#">Tepla, M</a> and <a href="#">Klimova, H</a><br>Jan 2014   <a href="#">JOURNAL OF CHEMICAL EDUCATION</a> 91 (1) , pp.149-150                                                                                                                                                                                                                                                                             | 0                                                         | 0    | 0    | 0    | 0    | 0.13             | 1     |
| 5               | The Corinth Educational 3D Models and Their Use in Teaching Chemistry and Other Science Subjects<br><a href="#">Tepla, M</a> ; <a href="#">Teplý, P</a> ; (...); <a href="#">Smejkal, P</a><br>2021   <a href="#">CHEMICKÉ LISTY</a> 115 (7) , pp.383-386                                                                                                                                                                                                   | 0                                                         | 0    | 0    | 0    | 0    | 0                | 0     |
| 6               | Microplastics-How and What Do University Students Know about the Emerging Environmental Sustainability Issue?<br><a href="#">Janouskova, S</a> ; <a href="#">Teplý, P</a> ; (...); <a href="#">Hak, T</a><br>Nov 2020   <a href="#">SUSTAINABILITY</a> 12 (21) <div>             Enriched Cited References           </div>                                                                                                                                 | 0                                                         | 0    | 0    | 0    | 0    | 0                | 0     |
| 7               | The Influence of Interdisciplinary Interactive Animations on High-School Students' Motivation and Performance<br><a href="#">Sarboch, D</a> ; <a href="#">Tepla, M</a> ; (...); <a href="#">Sloupova, H</a><br>18th Conference on Project-Based Education and other Activating Strategies in Science Education (PBE)<br>2020   PROJECT-BASED EDUCATION AND OTHER ACTIVATING STRATEGIES IN SCIENCE EDUCATION XVII (PBE 2019) , pp.189-198                    | 0                                                         | 0    | 0    | 0    | 0    | 0                | 0     |
| 8               | The Influence of Inquiry activity - electrolysis of aqueous salt solutions - on High-School Students' Motivation and Performance<br><a href="#">Tepla, M</a> ; <a href="#">Sloupova, H</a> ; (...); <a href="#">Sarboch, D</a><br>18th Conference on Project-Based Education and other Activating Strategies in Science Education (PBE)<br>2020   PROJECT-BASED EDUCATION AND OTHER ACTIVATING STRATEGIES IN SCIENCE EDUCATION XVII (PBE 2019) , pp.180-188 | 0                                                         | 0    | 0    | 0    | 0    | 0                | 0     |
| 9               | Evolution and Perspectives of Science Curriculum in the Czech Republic<br><a href="#">Čtrnáctová, H</a> ; <a href="#">Janouskova, S</a> ; (...); <a href="#">Tepla, M</a><br>International Conference on New Perspectives in Science Education<br>2019   NEW PERSPECTIVES IN SCIENCE EDUCATION, 8TH EDITION , pp.451-456                                                                                                                                    | 0                                                         | 0    | 0    | 0    | 0    | 0                | 0     |
| 10              | STUDENTS' ABILITY TO APPLY MATHEMATICAL SKILLS IN CHEMICAL TASKS<br><a href="#">Ivan, M</a> ; <a href="#">Sulcova, R</a> and <a href="#">Tepla, M</a><br>15th Conference on Project-based Education in Science Education<br>2018   PROJECT-BASED EDUCATION IN SCIENCE EDUCATION: EMPIRICAL TEXTS XV , pp.101-109                                                                                                                                            | 0                                                         | 0    | 0    | 0    | 0    | 0                | 0     |

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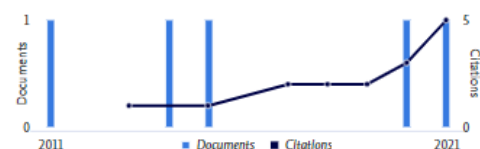
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The cor-inth educational 3d models and their use in teaching chemistry and other science subjects | Vzdělávací 3d modely corinth a jejich využití ve výuce chemie a ostatních přírodovědných předmětů

Teplá, M., Teplý, P., Dístler, P., Šmejkal, P.

*Chemické Listy*, 2021, 115(7), pp. 383–386

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#### Article • Open Access

Microplastics—how and what do university students know about the emerging environmental sustainability issue?

Janoušková, S., Teplý, P., Fatka, D., ...Cajthaml, T., Hák, T.

*Sustainability (Switzerland)*, 2020, 12(21), pp. 1–18, 9220

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#### Article

Using Adobe Flash Animations of electron transport chain to teach and learn biochemistry

Teplá, M., Klímová, H.

*Biochemistry and Molecular Biology Education*, 2015, 43(4), pp. 294–299

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#### Article

Photosynthesis in dynamic animations

Teplá, M., Klímová, H.

*Journal of Chemical Education*, 2014, 91(1), pp. 149–150

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#### Note

Biochemistry games: AZ-quiz and jeopardy!

Roštejnská, M., Klímová, H.

*Journal of Chemical Education*, 2011, 88(4), pp. 432–433

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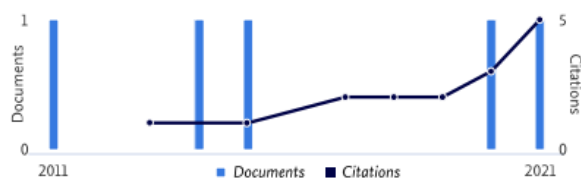
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Review

The invisible enemy. Public knowledge of microplastics is needed to face the current microplastics crisis

Garcia-Vazquez, E., Garcia-Ael, C.

*Sustainable Production and Consumption*, 2021, 28, pp. 1076–1089

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Article

Combining a flipped learning approach and an animated video to improve first-year undergraduate students' understanding of electron transport chains in a biochemistry course

Wikandari, R., Putro, A.W., Suroto, D.A., Purwandari, F.A., Setyaningsih, W.

*Journal of Chemical Education*, 2021, 98(7), pp. 2236–2242

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| Article                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |           |
| <b>Adopting a Gamified Approach of Conducting Viva Voce in an Undergraduate Lab Module</b>                                                    |                                                                                                                                                                                                                                                                                                        | 0         |
| Koh, S.B.K., Tai, S.Y., Fung, F.M.                                                                                                            |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Journal of Chemical Education</i> , 2021, 98(6), pp. 2017–2022                                                                             |                                                                                                                                                                                                                                                                                                        |           |
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| Conference Paper • Open Access                                                                                                                |                                                                                                                                                                                                                                                                                                        |           |
| <b>Development of e-module structure and protein function with flip PDF professional application through online learning</b>                  |                                                                                                                                                                                                                                                                                                        | 0         |
| Nurjayadi, M., Sadono, R., Afrizal,                                                                                                           |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>AIP Conference Proceedings</i> , 2021, 2331, 040029                                                                                        |                                                                                                                                                                                                                                                                                                        |           |
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| Article • Open Access                                                                                                                         |                                                                                                                                                                                                                                                                                                        |           |
| <b>Using Pop-Culture to Engage Students in the Classroom</b>                                                                                  |                                                                                                                                                                                                                                                                                                        | 1         |
| Dietrich, N., Jimenez, M., Souto, M., ...Coudret, C., Olmos, E.                                                                               |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Journal of Chemical Education</i> , 2021, 98(3), pp. 896–906                                                                               |                                                                                                                                                                                                                                                                                                        |           |
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| Article • Open Access                                                                                                                         |                                                                                                                                                                                                                                                                                                        |           |
| <b>Fun with Flags and Chemistry</b>                                                                                                           |                                                                                                                                                                                                                                                                                                        | 1         |
| Coudret, C., Dietrich, N.                                                                                                                     |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Journal of Chemical Education</i> , 2020, 97(12), pp. 4377–4384                                                                            |                                                                                                                                                                                                                                                                                                        |           |
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| <b>New approaches to adapt escape game activities to large audience in chemical engineering: Numeric supports and students' participation</b> |                                                                                                                                                                                                                                                                                                        | 10        |
| Monnot, M., Laborie, S., Hébrard, G., Dietrich, N.                                                                                            |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Education for Chemical Engineers</i> , 2020, 32, pp. 50–58                                                                                 |                                                                                                                                                                                                                                                                                                        |           |
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| Article                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |           |
| <b>Guided Heads-Up: A Collaborative Game that Promotes Metacognition and Synthesis of Material while Emphasizing Higher-Order Thinking</b>    |                                                                                                                                                                                                                                                                                                        | 8         |
| Fishovitz, J., Crawford, G.L., Kloepper, K.D.                                                                                                 |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Journal of Chemical Education</i> , 2020, 97(3), pp. 681–688                                                                               |                                                                                                                                                                                                                                                                                                        |           |
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| Article                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |           |
| <b>Using metro lines for integration of nucleotide metabolic pathways</b>                                                                     |                                                                                                                                                                                                                                                                                                        | 1         |
| Lee, R.K.Y., Ng, B.Y.N., Chen, D.M.H.                                                                                                         |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Biochemistry and Molecular Biology Education</i> , 2019, 47(5), pp. 532–537                                                                |                                                                                                                                                                                                                                                                                                        |           |
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| Article                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |           |
| <b>Catalyze! Lowering the Activation Barriers to Undergraduate Students' Success in Chemistry: A Board Game for Teaching Assistants</b>       |                                                                                                                                                                                                                                                                                                        | 4         |
| Brydges, S., Dembinski, H.E.                                                                                                                  |                                                                                                                                                                                                                                                                                                        | Citations |
| <i>Journal of Chemical Education</i> , 2019, 96(3), pp. 511–517                                                                               |                                                                                                                                                                                                                                                                                                        |           |
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Review

## Incorporating Carbohydrates into Laboratory Curricula

Koviach-Côté, J., Pirinelli, A.L.

*Chemical Reviews*, 2018, 118(17), pp. 7986–8004

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Article

## Art works based on cloud computing appreciation from different perspectives

Hongyan, C.

*Journal of Advanced Oxidation Technologies*, 2018, 21(2), 201806862

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Article • Open Access

## Making a Game out of It: Using Web-Based Competitive Quizzes for Quantitative Analysis Content Review

Grinias, J.P.

*Journal of Chemical Education*, 2017, 94(9), pp. 1363–1366

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Article • Open Access

## Development of an instructional material for an enriched book relating to interactions between chemical types unit in the ninth grade chemistry curriculum and investigation its effects

Hakkari, F., Yeloğlu, T., Tüysüz, C., İlhan, N.

*Eğitim ve Bilim*, 2017, 42(192), pp. 327–348

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Article

## Using Adobe Flash Animations of electron transport chain to teach and learn biochemistry

Teplá, M., Klímová, H.

*Biochemistry and Molecular Biology Education*, 2015, 43(4), pp. 294–299

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Article

## Playing jeopardy in the classroom: An empirical study

Simkin, M.G.

*Journal of Information Systems Education*, 2013, 24(3), pp. 203–210

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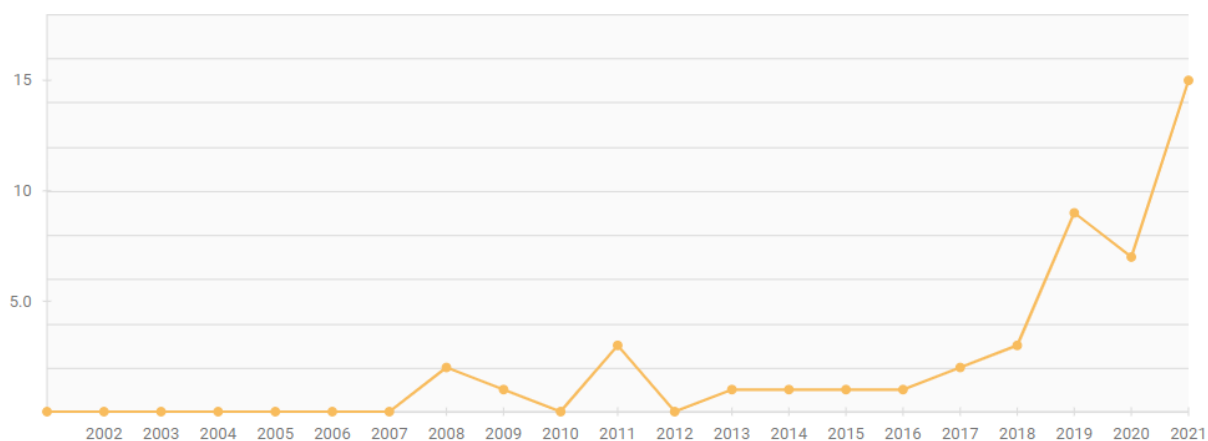
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**1) ROŠTEJNSKÁ, Milada - KLÍMOVÁ, Helena. Biochemistry Games: AZ-Quiz and Jeopardy!. *Journal of Chemical Education*. 2011, 88(4), 432-433. ISSN 0021-9584. DOI 10.1021/ed100231r.**

1. Nicolas Dietrich, Mélanie Jimenez, Manuel Souto, Aaron W. Harrison, Eric Olmos. (2021). Using Pop-Culture to Engage Students in the Classroom. *Journal of Chemical Education*. 98(3), pp. 896-906.
2. Sam Boon Kiat Koh, Shueh Yee Tai, Fun Man Fung. (2021). Adopting a Gamified Approach of Conducting Viva Voce in an Undergraduate Lab Module. *Journal of Chemical Education*. 98(6), pp. 2017-2022.
3. Lilla Bónus, Lászlóné Nagy. (2020). Didaktikus játékok használata a természettudományos gondolkodás fejlesztésére biológiaórán. *Iskolakultúra*. 30(1-2), 3-13. <https://doi.org/10.14232/ISKKULT.2020.1-2.3>
4. Mathias Monnot, S. Laborie, G. Hébrard, N. Dietrich. (2020). New approaches to adapt escape game activities to large audience in Chemical Engineering: numeric supports and students' participation. *Education for Chemical Engineers*. 32, pp. 50-58.
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8. João Batista Teixeira da Rocha, Cláudia Sirlene Oliveira, Pablo Andrei Nogara, Gabriela Luisa Schmitz. (2018). Insulin as a model to teach three-dimensional structure of proteins. *Revista de Ensino de Bioquímica*, ISSN: 2318-8790.
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10. James P. Grinias. (2017). Making a Game Out of It: Using Web-Based Competitive Quizzes for Quantitative Analysis Content Review. *Journal of Chemical Education*. 94(9), 1363-1366.
11. Simkin, M.G. (2013). Playing Jeopardy in the Classroom: An Empirical Study. *Journal of Information Systems Education*, 24(3), 203-210.

**2) TEPLÁ, Milada - KLÍMOVÁ, Helena. Using Adobe Flash Animations of Electron Transport Chain to Teach and Learn Biochemistry. *Biochemistry and Molecular Biology Education*. 2015, 43(4), 294-299. ISSN 1470-8175. DOI 10.1002/bmb.20867.**

1. Muktiningsih Nurjayadi, Ridwan Sadono, Afrizal. (2021). Development of e-module structure and protein function with flip PDF professional application through online learning. *Journal of Chemical Education*. 98(7), pp. 2236-2242.
2. Rachma Wikandari, Andika Wicaksono Putro, Dian Anggraini Suroto, Fiametta Ayu Purwandari, Widiastuti Setyaningsih. (2021). Combining a Flipped Learning Approach and an Animated Video to Improve First-Year Undergraduate Students' Understanding of Electron Transport Chains in a Biochemistry Course. *Journal of Chemical Education*. 98(7), pp. 2236-2242.
3. Prima Aswirna, Ahmad Sabri, Halimah Tusadiah. (2020). Development of interactive module based on trait treatment interaction (TTI) using adobe flash on critical thinking skills of students. In S. Fajri (Eds.), *Education* (pp. 192 - 203). Jakarta: Redwhite Press. <https://doi.org/10.32698/icftk422>
4. Rebecca K. Y. Lee, Bernard Y.N. Ng, Daisy M.H. Chen. (2019). Using metro lines for integration of nucleotide metabolic pathways. *Biochemistry and Molecular Biology Education*. 47(5), pp. 532-537.
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6. Fidan Hakkari, Turgut Yeloğlu, Cengiz Tuysuz, Cengiz Tuysuz, Nail İlhan. (2017). Development of an Instructional Material for an Enriched Book Relating to "Interactions between Chemical Types" Unit in The Ninth Grade Chemistry Curriculum and Investigation Its Effects, *Eğitim ve Bilim*. 42(192), pp. 327-348.
7. Blanca Bazán-Perkins, Gilberto Huesca-Juárez. (2016). Gamification y trabajo colaborativo como herramientas para inducir el análisis y la ganancia en el aprendizaje. *Memorias del Congreso de Internacional de Innovación Educativa*, 3182-3192.



**3) BÖHMOVÁ, Hana - TEPLÁ, Milada. Chemistry for Gifted and Talented – On-line Course on TALNET. *Problems of Education in the 21st Century*. 2009, 2009(11), 14-20. ISSN 1822-7864.**

1. José María Fernández Batanero, Miguel María Reyes Rebollo, Marta Montenegro Rueda. (2019). Impact of ICT on students with high abilities. Bibliographic review (2008–2018). *Computers & Education*. 137, pp. 48-58, ISSN 0360-1315, <https://doi.org/10.1016/j.compedu.2019.04.007>.

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