

## M21a

### IF >10

1. Glušač, K. D.; Saičić, R. Are Science and Technology Friends or Foes? *Nature Chemistry* **2023**, 15 (4), 439–442 (Chemistry, Multidisciplinary 7/178, IF2022=21.8). <https://doi.org/10.1038/s41557-023-01171-8>.
2. Vlahović, F.; Ognjanović, M.; Đurđić, S. Z.; Kukuruzar, A.; Antić, B.; Dojčinović, B. P.; Stanković, D. Design of an Ethidium Bromide Control Circuit Supported by Deep Theoretical Insight. *Applied Catalysis B: Environmental* **2023**, 334, 122819 (Engineering, Environmental 1/55, IF2022=22.1). <https://doi.org/10.1016/j.apcath.2023.122819>.
3. Rosenthal, R. G.; Diana Zhang, X.; Ilić Đurđić, K.; Collins, J. J.; Weitz, D. A. Controlled Continuous Evolution of Enzymatic Activity Screened at Ultrahigh Throughput Using Drop-Based Microfluidics. *Angewandte Chemie International Edition* **2023**, 62 (24), e202303112 (Chemistry, Multidisciplinary 13/178, IF2022=16.6). <https://doi.org/10.1002/anie.202303112>.
4. Abdelhameed, S. A. M.; de Azambuja, F.; Vasović, T.; Savić, N. D.; Ćirković-Veličković, T.; Parac-Vogt, T. N. Regioselective Protein Oxidative Cleavage Enabled by Enzyme-like Recognition of an Inorganic Metal Oxo Cluster Ligand. *Nature Communications* **2023**, 14 (1), 486 (Multidisciplinary Sciences 6/73, IF2022=16.6). <https://doi.org/10.1038/s41467-023-36085-z>.
5. Apostolović, D.; Grundström, J.; Kiewiet, M. B. G.; Peruško, M.; Hamsten, C.; Starkhammar, M.; Paulie, S.; Hage, M. van. Th2-Skewed T Cells Correlate with B Cell Response to α-Gal and Tick Antigens in α-Gal Syndrome. *The Journal of Clinical Investigation* **2023**, 133 (6) (Medicine, Research & Experimental 3/136, IF2022=15.9). <https://doi.org/10.1172/JCI158357>.
6. Mijin, N.; Milošević, J.; Stevanović, S.; Petrović, P.; Lolić, A.; Urbic, T.; Polović, N. Amyloid-like Aggregation Influenced by Lead(II) and Cadmium(II) Ions in Hen Egg White Ovalbumin. *Food Hydrocolloids* **2023**, 136, 108292 (Food Science & Technology 5/142, IF2022=10.7). <https://doi.org/10.1016/j.foodhyd.2022.108292>.

### IF 5-10

1. Prodić, I.; Krstić-Ristivojević, M.; Smiljanić, K. Antioxidant Properties of Protein-Rich Plant Foods in Gastrointestinal Digestion-Peanuts as Our Antioxidant Friend or Foe in Aller-

gies. *Antioxidants* **2023**, *12* (4), 886 (Food Science & Technology 13/142, IF2022=7.0). <https://doi.org/10.3390/antiox12040886>.

2. Krstić, Đ. D.; Ristivojević, P.; Gašić, U. M.; Lazović, M.; Fotirić-Akšić, M. M.; Milivojević, J.; Morlock, G. E.; Milojković-Opsenica, D.; Trifković, J. Authenticity Assessment of Cultivated Berries via Phenolic Profiles of Seeds. *Food Chemistry* **2023**, *402*, 134184 (Food Science & Technology 9/142, IF2022=8.8). <https://doi.org/10.1016/j.foodchem.2022.134184>.
3. Knežević, S.; Ostojić, J.; Ognjanović, M.; Savić, S. D.; Kovačević, A.; Manojlović, D. D.; Stanković, V.; Stanković, D. The Environmentally Friendly Approaches Based on the Heterojunction Interface of the LaFeO<sub>3</sub>/Fe<sub>2</sub>O<sub>3</sub>@g-C<sub>3</sub>N<sub>4</sub> Composite for the Disposable and Laboratory Sensing of Triclosan. *Science of The Total Environment* **2023**, No. 857, 159250 (Environmental Sciences 26/275, IF2022=9.8). <https://doi.org/10.1016/j.scitotenv.2022.159250>.
4. Pejčić, T.; Zeković, M.; Bumbaširević, U.; Kalaba, M.; Vovk, I.; Bensa, M.; Popović, L.; Tešić, Ž. The Role of Isoflavones in the Prevention of Breast Cancer and Prostate Cancer. *Antioxidants* **2023**, *12* (2), 368 (Chemistry, Medicinal 6/60, IF2022=7.0). <https://doi.org/10.3390/antiox12020368>.
5. Antić, N.; Kašanin-Grubin, M.; Šrbac, S.; Xie, C.; Mijatović, N.; Tosti, T.; Jovančićević, B. Type of Precipitation and Durations of Sediment Exposure as Important Weathering Factors. *CATENA* **2023**, *228*, 107192 (Geosciences, Multidisciplinary 17/202, IF2022=6.2). <https://doi.org/10.1016/j.catena.2023.107192>.
6. Milutinović, M.; Nakarada, Đ.; Božunović, J.; Todorović, M.; Gašić, U. M.; Živković, S.; Skorić, M.; Ivković, Đ.; Savić, J.; Devrnja, N.; Aničić, N.; Banjanac, T.; Mojović, M.; Mišić, D. Solanum Dulcamara L. Berries: A Convenient Model System to Study Redox Processes in Relation to Fruit Ripening. *Antioxidants* **2023**, *12* (2), 346 (Food Science & Technology 13/142, IF2022=7.0). <https://doi.org/10.3390/antiox12020346>.
7. Šajnović, A.; Burazer, N.; Veselinović, G.; Stojadinović, S.; Gajica, G.; Trebše, P.; Glavaš, N.; Jovančićević, B. Changes in Hydrocarbons and Elemental Distribution in Peloids during Maturation Processes (Sečovlje Salina Nature Park Slovenia). *Science of The Total Environment* **2023**, *897*, 165424 (Environmental Sciences 26/275, IF2022=9.8). <https://doi.org/10.1016/j.scitotenv.2023.165424>.
8. Jaćimović, S.; Kiprovska, B.; Ristivojević, P.; Dimić, D.; Nakarada, Đ.; Dojčinović, B.; Sikora, V.; Teslić, N.; Pantelić, N. Đ. Chemical Composition, Antioxidant Potential, and Nutritional Evaluation of Cultivated Sorghum Grains: A Combined Experimental, Theoretical, and Multivariate Analysis. *Antioxidants* **2023**, *12* (8), 1485 (Food Science & Technology 13/142, IF2022=7.0). <https://doi.org/10.3390/antiox12081485>.

9. Khulal, U.; Stojadinović, M. M.; Prodić, I.; Rajković, A.; Ćirković-Veličković, T. Comparative Digestion of Thermally Treated Vertebrates and Invertebrates Allergen Pairs in Real Food Matrix. *Food Chemistry* **2023**, *405*, 134981 (Food Science & Technology 9/142, IF2022=8.8). <https://doi.org/10.1016/j.foodchem.2022.134981>.
10. Simić, M.; Savić, B.; Ognjanović, M.; Stanković, D.; Relić, D.; Aćimović, D.; Brdarić, T. Degradation of Bisphenol A on SnO<sub>2</sub>-MWCNT Electrode Using Electrochemical Oxidation. *Journal of Water Process Engineering* **2023**, *51*, 103416 (Water Resources 6/103, IF 2022=7.0). <https://doi.org/10.1016/j.jwpe.2022.103416>.
11. Veličković, L.; Simović, A.; Gligorijević, N.; Thureau, A.; Obradović, M.; Vasović, T.; Sotiroidis, G.; Zoumpanioti, M.; Brûlet, A.; Ćirković Veličković, T.; Combet, S.; Nikolić, M.; Minić, S. Exploring and Strengthening the Potential of R-Phycocyanin from Nori Flakes as a Food Colourant. *Food Chemistry* **2023**, *426*, 136669 (Food Science & Technology 9/142, IF2022=8.8). <https://doi.org/10.1016/j.foodchem.2023.136669>.
12. Nedić, O.; Penezić, A.; Minić, S.; Radomirović, M. Ž.; Nikolić, M.; Ćirković-Veličković, T.; Gligorijević, N. Food Antioxidants and Their Interaction with Human Proteins. *Antioxidants* **2023**, *12* (4), 815 (Food Science & Technology 13/142, IF2022=7.0). <https://doi.org/10.3390/antiox12040815>.
13. Chrienova, Z.; Rysanek, D.; Novak, J.; Vasicova, P.; Oleksak, P.; Andrys, R.; Skarka, A.; Dumanovic, J.; Milovanovic, Z.; Jacevic, V.; Chvojkova, M.; Holubova, K.; Vales, K.; Skoupilova, V.; Valko, M.; Jomova, K.; Alomar, S. Y.; Botelho, F. D.; Franca, T. C. C.; Kuca, K.; Hodny, Z.; Nepovimova, E. Frentizole Derivatives with mTOR Inhibiting and Senomorphic Properties. *Biomedicine and Pharmacotherapy* **2023**, *167*, 115600 (Pharmacology & Pharmacy 22/278, IF2022=7.5). <https://doi.org/10.1016/j.biopha.2023.115600>.
14. Slavić, M. Š.; Kojić, M.; Margetić, A.; Stanislavljević, N.; Gardijan, L.; Božić, N.; Vujićić, Z. Highly Stable and Versatile α-Amylase from Anoxybacillus Vranjensis ST4 Suitable for Various Applications. *International Journal of Biological Macromolecules* **2023**, *249*, 126055 (Chemistry, Applied 7/73, IF2022=8.2). <https://doi.org/10.1016/j.ijbiomac.2023.126055>.
15. Stefanović, M.; Šajnović, A.; Kašanin-Grubin, M.; Vergari, F.; Troiani, F.; Moreno-de-las-Heras, M.; Gallart, F.; Desloges, J.; Jovančićević, B. Impact of Weathering Processes on N-Alkane Pattern in Badlands. *CATENA* **2023**, *231*, 107352 (Geosciences, Multidisciplinary 17/202, IF2022=6.2). <https://doi.org/10.1016/j.catena.2023.107352>.
16. Kostić, A. Ž.; Milinčić, D. D.; Špirović Trifunović, B.; Nedić, N.; Gašić, U. M.; Tešić, Ž. L.; Stanojević, S. P.; Pešić, M. B. Monofloral Corn Poppy Bee-Collected Pollen—A Detailed Insight into Its Phytochemical Composition and Antioxidant Properties. *Antioxidants* **2023**, *12* (7), 1424 (Chemistry, Medicinal 6/60, IF2022=7.0). <https://doi.org/10.3390/antiox12071424>.

17. Smiljanić, K.; Prodić, I.; Trifunović, S.; Krstić-Ristivojević, M.; Aćimović, M. G.; Stanković Jeremić, J.; Lončar, B.; Tešević, V. Multistep Approach Points to Compounds Responsible for the Biological Activity and Safety of Hydrolates from Nine Lamiaceae Medicinal Plants on Human Skin Fibroblasts. *Antioxidants* **2023**, 12 (11) (Food Science & Technology 13/142, IF2022=7.0). <https://doi.org/10.3390/antiox12111988>.
  
18. Jovanovic, M.; Jovanovic, P.; Tasic, G.; Simic, M.; Maslak, V.; Rakic, S.; Rodic, M.; Vlahovic, F.; Petkovic, M.; Savic, V. Regio- and Stereoselective, Intramolecular [2+2] Cycloaddition of Allenes, Promoted by Visible Light Photocatalysis. *Advanced Synthesis & Catalysis* **2023**, 365 (15), 2516–2523 (Chemistry, Organic 4/53, IF2022=5.4). <https://doi.org/10.1002/adsc.202300301>.

#### IF 3-4

1. Matić, D.; Vlahović, M.; Grčić, A.; Filipović, A.; Ilijin, L.; Mrdaković, M.; Mutić, J.; Đurđić, S.; Perić-Mataruga, V. Antioxidative Enzymes, Alkaline Phosphatases and Hsp70 Expression in Larvae of Lymantria Dispar (Lepidoptera: Erebidae) from Unpolluted and Polluted Forests after Chronic Cadmium Treatment. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology* **2023**, 273, 109721 (Zoology 6/177, IF2022=3.9). <https://doi.org/10.1016/j.cbpc.2023.109721>.
2. Sladana Todorović, Marija Perić, Biljana Nikolić, Boris Mandić, Stefana Cvetković, Milica Bogdanović, and Suzana Živković. Chemical Characterization, Antioxidant Activity, and Cytotoxicity of Wild-Growing and In Vitro Cultivated *Rindera umbellata* (Waldst. and Kit.) Bunge. *Horticulturae* (2023), 9(3), 381.

#### IF 2-3

1. Kepić, D. P.; Stefanović, A. M.; Budimir, M. D.; Pavlović, V. B.; Bonasera, A.; Scopelliti, M.; Todorović-Marković, B. Gamma Rays Induced Synthesis of Graphene Oxide/Gold Nanoparticle Composites: Structural and Photothermal Study. *Radiation Physics and Chemistry* **2023**, 202, 110545 (Nuclear Science & Technology 3/34, IF2022=2.9) <https://doi.org/10.1016/j.radphyschem.2022.110545>.