

1. Singh, V.; Zorić, M. R.; Hargenrader, G. N.; Valentine, A. J. S.; Zivojinović, O.; Milić, D.; Li, X.; Glušac, K. D. Exciton Coherence Length and Dynamics in Graphene Quantum Dot Assemblies. *The journal of physical chemistry letters* **2020**, *11* (1), 210–216, (Chemistry, Physical 28/148, IF2018=7.329). <https://doi.org/10.1021/acs.jpcllett.9b03384>.
2. Costa J., Bavaro S.L., Benedé S., Diaz-Perales A., Bueno-Diaz C., Gelencser E., Klueber J., Larré C., Lozano-Ojalvo D., Lupi R., Mafra I., Mazzucchelli G., Molina E., Monaci L., Martín-Pedraza L., Piras C., Rodrigues P.M., Roncada P., Schrama D., Cirkovic-Velickovic T., Verhoeckx K., Villa C., Kuehn A., Hoffmann-Sommergruber K., Holzhauser T., Are Physicochemical Properties Shaping the Allergenic Potency of Plant Allergens?. *Clinical Reviews in Allergy and Immunology*, 2020, (Allergy 3/27, IF2018=7.328). <https://doi.org/10.1007/s1206-020-08810-9>.
3. Korać Jačić, J.; Nikolić, L.; Stanković, D.; Opačić, M.; Dimitrijević, M.; Savić, D.; Grgurić-Šipka, S.; Spasojević, I.; Bogdanović Pristov, J. Ferrous Iron Binding to Epinephrine Promotes the Oxidation of Iron and Impedes Activation of Adrenergic Receptors. *Free Radical Biology and Medicine* **2020**, *148*, 123–127, (Biochemistry & Molecular Biology 41/297, IF2019=6.170). <https://doi.org/10.1016/j.freeradbiomed.2020.01.001>.
4. Danilović Luković, J.; Zechmann, B.; Jevtović, M.; Bogdanović Pristov, J.; Stanić, M.; Marco Lizzul, A.; Pittman, J. K.; Spasojević, I. The Effects of Ionizing Radiation on the Structure and Antioxidative and Metal-Binding Capacity of the Cell Wall of Microalga *Chlorella Sorokiniana*. *Chemosphere* **2020**, *260*, 127553, (Environmental Sciences 29/265, IF2019=5.778). <https://doi.org/10.1016/j.chemosphere.2020.127553>.
5. Pešić, M. P.; Todorov, M. D.; Becskereki, G.; Horvai, G.; Verbić, T.; Tóth, B. A Novel Method of Molecular Imprinting Applied to the Template Cholesterol. *Talanta* **2020**, *217*, 121075, (Chemistry, Analytical 11/86, IF2019=5.339). <https://doi.org/10.1016/j.talanta.2020.121075>.
6. Cvetković, M.; Damjanović, A.; Stanojković, T.; Đorđević, I.; Tešević, V.; Milosavljević, S. M.; Gođevac, D. Integration of Dry-Column Flash Chromatography with NMR and FTIR Metabolomics to Reveal Cytotoxic Metabolites from *Amphoricarpos Autariatus*. *Talanta* **2020**, *206*, 1–6, (Chemistry, Analytical 11/86 IF2019=5.339). <https://doi.org/10.1016/j.talanta.2019.120248>.

IF 4-5

7. Milošević, M. D.; Marinković, A. D.; Petrović, P.; Klaus, A.; Nikolić, M. G.; Prlainović, N. Ž.; Cvijetić, I. Synthesis, Characterization and SAR Studies of Bis(Imino)Pyridines as Antioxidants, Acetylcholinesterase Inhibitors and Antimicrobial Agents. *Bioorganic Chemistry* **2020**, *102*, (Biochemistry & Molecular Biology 66/297, IF2019=4.831). <https://doi.org/10.1016/j.bioorg.2020.104073>.
8. Božić, A. R.; Filipović, N. R.; Verbić, T.; Milčić, M. K.; Todorović, T.; Cvijetić, I.; Klisurić, O.; Radišić, M.; Marinković, A. A Detailed Experimental and Computational Study of Monocarbohydrazones. *Arabian Journal of Chemistry* **2020**, *13*, 932–953, (Chemistry, Multidisciplinary 45/177, IF2019=4.762). <https://doi.org/10.1016/j.arabjc.2017.08.010>.

9. Filipović, N. R.; Bjelogrić, S. K.; Pelliccia, S.; Jovanović, V. B.; Kojić, M. O.; Senčanski, M.; La Regina, G.; Silvestri, R.; Muller, C. D.; Todorović, T. Selenotriapine - An Isostere of the Most Studied Thiosemicarbazone with Pronounced pro-Apoptotic Activity, Low Toxicity and Ability to Challenge Phenotype Reprogramming of 3-D Mammary Adenocarcinoma Tumors. *Arabian Journal of Chemistry* **2020**, (Chemistry, Multidisciplinary 45/177, IF2019=4.762). <https://doi.org/10.1016/j.arabjc.2017.11.017>.
10. Stojanović, M.; Lukić, I.; Marinković, E.; Kovačević, A.; Miljković, R.; Tobias, J.; Schabussova, I.; Zlatović, M.; Barisani-Asenbauer, T.; Wiedermann, U.; Inic-Kanada, A. Cross-Reactive Effects of Vaccines: Heterologous Immunity between Tetanus and Chlamydia. *Vaccines* **2020**, *8* (4), 719, (Immunology 39/158, IF2018=4.760). <https://doi.org/10.3390/vaccines8040719>.
11. Baranac-Stojanović, M. Substituent Effect on Triplet State Aromaticity of Benzene. *The Journal of Organic Chemistry* **2020**, *85* (6), 4289–4297, (Chemistry, Organic 7/57, IF2018=4.745). <https://doi.org/10.1021/acs.joc.9b03472>.
12. Đurašević, S.; Nikolić, G.; Todorović, A.; Drakulić, D.; Pejić, S.; Martinović, V.; Mitić-Ćulafić, D.; Milić, D.; Kop, T.; Jasnić, N.; Đorđević, J.; Todorović, Z. Effects of Fullerene C60 Supplementation on Gut Microbiota and Glucose and Lipid Homeostasis in Rats. *Food and Chemical Toxicology* **2020**, *140*, (Food Science & Technology 14/139, IF2019=4.679). <https://doi.org/10.1016/j.fct.2020.111302>.
13. Urošević-Aničić, M.; Krmar, M. D.; Radnović, D. V.; Jovanović, G.; Jakšić, T. R.; Vasić, P. S.; Popović, A. R. The Use of Moss as an Indicator of Rare Earth Element Deposition over Large Area. *Ecological Indicators* **2020**, *109*, (Environmental Sciences 45/251, IF2018=4.490). <https://doi.org/10.1016/j.ecolind.2019.105828>.
14. Vojvodić, S.; Stanić, M.; Zechmann, B.; Dučić, T.; Žižić, M.; Dimitrijević, M.; Danilović Luković, J.; Milenković, M. R.; Pittman, J. K.; Spasojević, I. Mechanisms of Detoxification of High Copper Concentrations by the Microalga *Chlorella Sorokiniana*. *The Biochemical Journal* **2020**, *477* (19), 3729–3741, (Biochemistry & Molecular Biology 73/299, IF2018=4.331). <https://doi.org/10.1042/BCJ20200600>.
15. Ostafe, R.; Fontaine, N.; Frank, D.; Ng Fuk Chong, M.; Prodanović, R.; Pandjaitan, R.; Offmann, B.; Cadet, F.; Fischer, R. One-Shot Optimization of Multiple Enzyme Parameters: Tailoring Glucose Oxidase for PH and Electron Mediators. *Biotechnology and Bioengineering* **2020**, *117* (1), 17–29, (Biotechnology & Applied Microbiology 30/162, IF2018=4.260). <https://doi.org/10.1002/bit.27169>.
16. Stanisavljević, N.; Soković Bajić, S.; Jovanović, Ž.; Matić, I.; Tolinački, M.; Popović, D.; Popović, N.; Terzić-Vidojević, A.; Golić, N.; Beškoski, V.; Samardžić, J. Antioxidant and Antiproliferative Activity of *Allium Ursinum* and Their Associated Microbiota During Simulated in Vitro Digestion in the Presence of Food Matrix. *Frontiers in Microbiology* **2020**, *11*, (Microbiology 2/133, IF2018=4.259). <https://doi.org/10.3389/fmicb.2020.601616>.
17. Vatić, S.; Mirković, N.; Milošević, J.; Jovčić, B.; Polović, N. Broad Range of Substrate Specificities in Papain and Fig Latex Enzymes Preparations Improve Enumeration of *Listeria Monocytogenes*. *International Journal of Food Microbiology* **2020**, *334*, 108851, (Food Science & Technology 23/139, IF2019=4.187). <https://doi.org/10.1016/j.ijfoodmicro.2020.108851>.
18. Toader, A. M.; Zarić, S. D.; Zalaru, C. M.; Ferbinteanu, M. The Structural Details of Aspirin Molecules and Crystals. *Current Medicinal Chemistry* **2020**, *27* (1), 99–120, (Chemistry, Medicinal 14/61, IF2019=4.184). <https://doi.org/10.2174/0929867325666181031132823>.
19. Mészáros, J. P.; Poljarević, J.; Szatmári, I.; Csuvik, O.; Fülöp, F.; Szoboszlai, N.; Spengler, G.; Enyedy, É. A. An 8-Hydroxyquinoline–Proline Hybrid with Multidrug Resistance

- Reversal Activity and the Solution Chemistry of Its Half-Sandwich Organometallic Ru and Rh Complexes. *Dalton Transactions* **2020**, 49 (23), 7977–7992, (Chemistry, Inorganic & Nuclear 5/45, IF2019=4.174).
<https://doi.org/10.1039/d0dt01256d>.
20. Malenov, D. P.; Zarić, S. D. Stacking Interactions between Indenyl Ligands of Transition Metal Complexes: Crystallographic and Density Functional Study. *Crystal Growth & Design* **2020**, 20 (7), 4491–4502, (Chemistry, Multidisciplinary 48/172, IF2018=4.153).
<https://doi.org/10.1021/acs.cgd.0c00303>.
21. Ristić, P.; Blagojević, V. A.; Janjić, G. V.; Rodić, M.; Vulić, P. J.; Donnard, M.; Gulea, M.; Chylewska, A.; Makowski, M.; Todorović, T.; Filipović, N. R. Influence of C–H/X (X = S, Cl, N, Pt/Pd) Interactions on the Molecular and Crystal Structures of Pt(II) and Pd(II) Complexes with Thiomorpholine-4-Carbonitrile: Crystallographic, Thermal, and DFT Study. *Crystal Growth & Design* **2020**, 20 (5), 3018–3033, (Chemistry, Multidisciplinary 48/172, IF2018=4.153). <https://doi.org/10.1021/acs.cgd.9b01661>.
22. Ristić, P.; Todorović, T.; Blagojević, V. A.; Klisurić, O.; Marjanović, I.; Holló, B. B.; Vulić, P. J.; Gulea, M.; Donnard, M.; Monge, M.; Rodríguez-Castillo, M.; López-de-Luzuriaga, J. M.; Filipović, N. R. 1D and 2D Silver-Based Coordination Polymers with Thiomorpholine-4-Carbonitrile and Aromatic Polyoxoacids as Coligands: Structure, Photocatalysis, Photoluminescence, and TD-DFT Study. *Crystal Growth & Design* **2020**, 20 (7), 4461–4478, (Chemistry, Multidisciplinary 48/172, IF2018=4.153).
<https://doi.org/10.1021/acs.cgd.0c00287>.
23. Živković, J. M.; Stanković, I. M.; Ninković, D.; Zarić, S. D. Phenol and Toluene Stacking Interactions, Including Interactions at Large Horizontal Displacements. Study of Crystal Structures and Calculation of Potential Energy Surfaces. *Crystal Growth & Design* **2020**, 20 (2), 1025–1034, (Chemistry, Multidisciplinary 48/172, IF2018=4.153).
<https://doi.org/10.1021/acs.cgd.9b01353>.
24. Ivanović, S.; Avramović, N.; Dojčinović, B. P.; Trifunović, S. S.; Novaković, M. M.; Tešević, V.; Mandić, B. Chemical Composition, Total Phenols and Flavonoids Contents and Antioxidant Activity as Nutritive Potential of Roasted Hazelnut Skins (*Corylus Avellana* L.). *Foods* **2020**, 9 (4), 430, (Food Science & Technology 27/139, IF=4.092).
<https://doi.org/10.3390/foods9040430>.
25. Gligorijević, N.; Radomirović, M. Ž.; Rajković, A.; Nedić, O.; Ćirković-Veličković, T. Fibrinogen Increases Resveratrol Solubility and Prevents It from Oxidation. *Foods* **2020**, 9 (6), 780, (Food Science & Technology 27/139, IF2019=4.092).
<https://doi.org/10.3390/foods9060780>.
26. Šuković, D.; Knežević, B.; Gašić, U. M.; Sredojević, M.; Ćirić, I.; Todić, S.; Mutić, J.; Tešić, Ž. Lj. Phenolic Profiles of Leaves, Grapes and Wine of Grapevine Variety Vranac (*Vitis Vinifera* L.) from Montenegro. *Foods* **2020**, 9 (2), 1–24, (Food Science & Technology 27/139, IF2019=4.092). <https://doi.org/10.3390/foods9020138>.
27. Stojavljević, A.; Vujotić, L.; Rovčanin, B.; Borković-Mitić, S. S.; Gavrović-Jankulović, M.; Manojlović, D. D. Assessment of Trace Metal Alterations in the Blood, Cerebrospinal Fluid and Tissue Samples of Patients with Malignant Brain Tumors. *Scientific Reports* **2020**, 10 (1), (Multidisciplinary Sciences 15/69, IF2018=4.011).
<https://doi.org/10.1038/s41598-020-60774-0>.
28. Stojanović, M.; Bugarski S.; Baranac-Stojanović, M. Synthesis of 2,3-Dihydro-4-pyridones and 4-Pyridones by the Cyclization Reaction of Ester-Tethered Enaminones. *Journal of Organic Chemistry* **2020**, 85 (21), 13495–13507, (Chemistry, Organic 7/57, IF2018=4.745). <https://doi.org/10.1021/acs.joc.0c01537>.

29. Jačević, V.; Dumanović, J.; Lazarević, M.; Nepovimova, E.; Resanović, R.; Milovanović, Z.; Wu, Q.; Kuča, K. Antidotal Potency of the Novel, Structurally Different Adsorbents in Rats Acutely Intoxicated with the T-2 Toxin. *Toxins* **2020**, *12* (10), 643, (Toxicology 14/93, IF2018=3.895).
<https://doi.org/10.3390/toxins12100643>.
30. Kop, T.; Jakovljević, D. M.; Živković, L. S.; Žekić, A.; Beškoski, V.; Milić, D.; Gojgić-Cvijović, G. D.; Bjelaković, M. S. Polysaccharide-Fullerene Supramolecular Hybrids: Synthesis, Characterization and Antioxidant Activity. *European Polymer Journal* **2020**, *123* (109461), (Polymer Science 14/89, IF2019=3.862).
<https://doi.org/10.1016/j.eurpolymj.2019.109461>.
31. Stanković, V.; Đurđić, S. Z.; Ognjanović, M.; Mutić, J.; Kalcher, K.; Stanković, D. A Novel Nonenzymatic Hydrogen Peroxide Amperometric Sensor Based on AgNp@GNR Nanocomposites Modified Screen-Printed Carbon Electrode. *Journal of Electroanalytical Chemistry* **2020**, *876*, 114487, (Chemistry, Analytical 17/86, IF2019=3.807).
<https://doi.org/10.1016/j.jelechem.2020.114487>.
32. Stanković, V.; Đurđić, S. Z.; Ognjanović, M.; Antić, B.; Kalcher, K.; Mutić, J.; Stanković, D. Anti-Human Albumin Monoclonal Antibody Immobilized on EDC-NHS Functionalized Carboxylic Graphene/AuNPs Composite as Promising Electrochemical HSA Immunosensor. *Journal of Electroanalytical Chemistry* **2020**, *860*, (Chemistry, Analytical 17/86, IF2019=3.807).
<https://doi.org/10.1016/j.jelechem.2020.113928>.
33. Burazer, N.; Šajnović, A.; Vasić, N.; Kašanin-Grubin, M.; Životić, D. R.; Mendonça Filho, J. G.; Vulić, P. J.; Jovančićević, B. Influence of Paleoenvironmental Conditions on Distribution and Relative Abundance of Saturated and Aromatic Hydrocarbons in Sediments from the NW Part of the Toplica Basin, Serbia. *Marine and Petroleum Geology* **2020**, *115*, 104252, (Geosciences, Multidisciplinary 31/200, IF2019=3.790).
<https://doi.org/10.1016/j.marpetgeo.2020.104252>.
34. Radović, M.; Milatović, D.; Tešić, Ž. Lj.; Tosti, T.; Gašić, U. M.; Dojčinović, B. P.; Dabić-Zagorac, D. Influence of Rootstocks on the Chemical Composition of the Fruits of Plum Cultivars. *Journal of Food Composition and Analysis* **2020**, *92*, 103480, (Chemistry, Applied 16/71, IF2019=3.721). <https://doi.org/10.1016/j.jfca.2020.103480>.
35. Stanić-Vučinić, D.; Nikolić, S.; Vlajić, K.; Radomirović, M. Ž.; Mihailović, J.; Ćirković-Veličković, T.; Grgurić-Šipka, S. The Interactions of the Ruthenium(II)-Cymene Complexes with Lysozyme and Cytochrome c. *Journal of Biological Inorganic Chemistry* **2020**, *25* (2), 253–265, (Chemistry, Inorganic & Nuclear 8/45, IF2018=3.632).
<https://doi.org/10.1007/s00775-020-01758-3>.
36. Knežević, S.; Ognjanović, M.; Nedić, N.; Mariano, J. F. M. L.; Milanović, Z.; Petković, B. B.; Antić, B.; Vranješ-Đurić, S.; Stanković, D. A Single Drop Histamine Sensor Based on AuNPs/MnO₂ Modified Screen-Printed Electrode. *Microchemical Journal* **2020**, *155*, (Chemistry, Analytical 19/86, IF2019=3.594).
<https://doi.org/10.1016/j.microc.2020.104778>.
37. Ognjanović, M.; Stanković, V.; Knežević, S.; Antić, B.; Vranješ-Djurić, S.; Stanković, D. TiO₂/APTES Cross-Linked to Carboxylic Graphene Based Impedimetric Glucose Biosensor. *Microchemical Journal* **2020**, *158*, (Chemistry, Analytical 19/86, IF2019=3.594).
<https://doi.org/10.1016/j.microc.2020.105150>.
38. Blagojević Filipović, J. P.; Hall, M. B.; Zarić, S. D. Stacking Interactions of Resonance-Assisted Hydrogen-Bridged Rings and C₆-Aromatic Rings. *Physical Chemistry Chemical*

- Physics* **2020**, *22* (24), 13721–13728. (Physics, Atomic, Molecular & Chemical 9/36, IF2018=3.567). <https://doi.org/10.1039/d0cp01624a>.
39. Milovanović, M. R.; Živković, J. M.; Ninković, D.; Stanković, I. M.; Zarić, S. D. How Flexible Is the Water Molecule Structure? Analysis of Crystal Structures and the Potential Energy Surface. *Physical Chemistry Chemical Physics* **2020**, *22* (7), 4138–4143, (Physics, Atomic, Molecular & Chemical 9/36, IF2018=3.567). <https://doi.org/10.1039/C9CP07042G>.
40. Stepanović, S.; Lai, R.; Elstner, M.; Gruden, M.; Garcia-Fernandez, P.; Cui, Q. Improvement of d–d Interactions in Density Functional Tight Binding for Transition Metal Ions with a Ligand Field Model: Assessment of a DFTB3+U Model on Nickel Coordination Compounds. *Physical Chemistry Chemical Physics* **2020**, *22* (46), 27084–27095, (Physics, Atomic, Molecular & Chemical 9/36, IF2018=3.567). <https://doi.org/10.1039/D0CP04694A>.
41. Simić, S.; Jeremić, S.; Đokić, L.; Božić, N.; Vujčić, Z.; Lončar, N. L.; Senthamaikannan, R.; Babu, R. P.; Opsenica, I.; Nikodinović-Runić, J. Development of an Efficient Biocatalytic System Based on Bacterial Laccase for the Oxidation of Selected 1,4-Dihydropyridines. *Enzyme and Microbial Technology* **2020**, *132*, (Biotechnology & Applied Microbiology 45/162, IF2018=3.553). <https://doi.org/10.1016/j.enzmictec.2019.109411>.
42. Ilić Đurđić, K.; Ostafe, R.; Đurđević Đelmaš, A.; Popović, N.; Schillberg, S.; Fischer, R.; Prodanović, R. Saturation Mutagenesis to Improve the Degradation of Azo Dyes by Versatile Peroxidase and Application in Form of VP-Coated Yeast Cell Walls. *Enzyme and Microbial Technology* **2020**, *136*, e109509, (Biotechnology & Applied Microbiology 45/162, IF2018=3.553). <https://doi.org/10.1016/j.enzmictec.2020.109509>.
43. Marić, N.; Štrbački, J.; Mrazovac Kurilić, S.; Beškoski, V.; Nikić, Z.; Ignjatović, S.; Malbašić, J. Hydrochemistry of Groundwater Contaminated by Petroleum Hydrocarbons: The Impact of Biodegradation (Vitanovac, Serbia). *Environmental Geochemistry and Health* **2020**, *42* (7), 1921–1935, (Public, Environmental & Occupational Health 44/285, IF2019=3.472). <https://doi.org/10.1007/s10653-019-00462-9>.
44. Veljković, I. S.; Veljković, D.; Sarić, G. G.; Stanković, I. M.; Zarić, S. D. What Is the Preferred Geometry of Sulfur–Disulfide Interactions? *CrystEngComm* **2020**, *22*, 7262–7271, (Crystallography 6/26, IF2018=3.382). <https://doi.org/10.1039/D0CE00211A>.
45. Malenov, D. P.; Zarić, S. D. Strong stacking interactions at large horizontal displacements of tropylium and cyclooctatetraenide ligands of transition metal complexes: crystallographic and DFT study. *CrystEngComm* **2020**, *22* (22), 3831–3839, (Crystallography 6/26, IF2018=3.382). <https://doi.org/10.1039/D0CE00501K>.
46. Chongboriboon, N.; Samakun, K.; Inprasit, T.; Kielar, F.; Dungkaew, W.; Wong, L. W.-Y.; Sung, H. H.-Y.; Ninković, D. B.; Zarić, S. D.; Chainok, K. Two-dimensional halogen-bonded organic frameworks based on the tetrabromobenzene-1,4-dicarboxylic acid building molecule. *CrystEngComm* **2020**, *22* (1), 24–34, (Crystallography 6/26, IF2018=3.382). <https://doi.org/10.1039/C9CE01140D>.
47. Ilić Đurđić, K.; Ece, S.; Ostafe, R.; Vogel, S.; Schillberg, S.; Fischer, R.; Prodanović, R. Improvement in Oxidative Stability of Versatile Peroxidase by Flow Cytometry-Based High-Throughput Screening System. *Biochemical Engineering Journal* **2020**, *157*, (Engineering, Chemical 35/138, IF2018=3.371). <https://doi.org/10.1016/j.bej.2020.107555>.
48. Savić, A.; Gligorijević, N.; Arandelović, S.; Dojčinović, B. P.; Kaczmarek, A. M.; Radulović, S.; Van Deun, R.; Van Hecke, K. Antitumor Activity of Organoruthenium Complexes with Chelate Aromatic Ligands, Derived from 1,10-Phenanthroline: Synthesis and Biological Activity. *Journal of Inorganic Biochemistry* **2020**, *202*, 110869, (Chemistry, Inorganic & Nuclear 11/45, IF2018=3,224). <https://doi.org/10.1016/j.jinorgbio.2019.110869>.

49. Pavlović, M.; Tadić, A.; Gligorijević, N.; Poljarević, J.; Petrović, T.; Dojčinović, B. P.; Savić, A.; Radulović, S.; Grgurić-Šipka, S.; Arandelović, S. Synthesis, Chemical Characterization, PARP Inhibition, DNA Binding and Cellular Uptake of Novel Ruthenium(II)-Arene Complexes Bearing Benzamide Derivatives in Human Breast Cancer Cells. *Journal of Inorganic Biochemistry* **2020**, *210*, 111155, (Chemistry, Inorganic & Nuclear 11/45, IF2018=3,224). <https://doi.org/10.1016/j.jinorgbio.2020.111155>.
50. Nikolić, A.M., Živković, F., Selaković, Ž., Wipf, P., Opsenica, I.M. One-Pot Two-Step Synthesis of Isochromene-Fused CF₃-Substituted Pyrazoles. *European Journal of Organic Chemistry* **2020**, 5616–5619, (Chemistry, Organic 16/57, IF2018=3.029). <https://chemistry-europe.onlinelibrary.wiley.com/doi/10.1002/ejoc.202000942>
51. Obradović, D.; Nikolić S.; Milenković, I.; Milenković, M.; Jovanović, P.; Savić, V.; Roller, A.; Đordjić, Crnogorac M.; Stanojković, T.; Grgurić-Šipka, S. Synthesis, characterization, antimicrobial and cytotoxic activity of novel half-sandwich Ru(II) arene complexes with benzoylthiourea derivatives. *Journal of Inorganic Biochemistry* **2020**, *210*, 111164, (Chemistry, Inorganic & Nuclear 11/45, IF2018=3,224). <https://doi.org/10.1016/j.jinorgbio.2020.111164>
52. Milovanović, M. R.; Dherbassy, Q.; Wencel-Delord, J.; Colobert, F.; Zarić, S. D.; Đukić, J-P. The Affinity of Some Lewis Bases for Hexafluoroisopropanol as a Reference Lewis Acid: An ITC/DFT Study. *ChemPhysChem* **2020**, *21* (18), 2136-2142, (Physics, Atomic, Molecular & Chemical 10/37, IF2019=3.144). <https://doi.org/10.1002/cphc.202000560>.

IF 2-3

53. Tubić, B. K.; Dobričić, V.; Poljarević, J.; Savić, A.; Sabo, T.; Marković, B. D. Estimation of Passive Gastrointestinal Absorption and Membrane Retention Using PAMPA Test, Quantitative Structure-Permeability and Quantitative Structure-Retention Relationship Analyses of Ethylenediamine-N,N'-Di-2-(3-Cyclohexyl)Propanoic Acid and 1,3-Propanediamine-N,N'-Di-2-(3-Cyclohexyl)Propanoic Acid Derivatives. *Journal of Pharmaceutical and Biomedical Analysis* **2020**, *184*, (Chemistry, Analytical 24/84, IF2018=2.983). <https://doi.org/10.1016/j.jpba.2020.113213>.
54. Milošević, J.; Petrić, J.; Jovčić, B.; Janković, B.; Polović, N. Exploring the Potential of Infrared Spectroscopy in Qualitative and Quantitative Monitoring of Ovalbumin Amyloid Fibrillation. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy* **2020**, *229*, (Spectroscopy 9/41, IF2018=2.931). <https://doi.org/10.1016/j.saa.2019.117882>.
55. Vujotić, L.; Matić, S.; Borković-Mitić, S.; Stojavljević, A.; Mutić, J.; Baščarević, V.; Joković, M.; Pavlović, S. Z. Association between Oxidative Stress Biomarkers and Concentrations of Some Metal Ions in the Blood of Patients with Brain Tumors and Hydrocephalus. *Archives of Medical Science* **2020**, *16* (4), 811–819, (Medicine, General & Internal 46/165, IF=2.807). <https://doi.org/10.5114/aoms.2019.87409>.
56. Živanović, B.; Milić Komić, S.; Tosti, T.; Vidović, M.; Prokić, L.; Veljović Jovanović, S. Leaf Soluble Sugars and Free Amino Acids as Important Components of Abscisic Acid—Mediated Drought Response in Tomato. *Plants* **2020**, *9* (9), 1147, (Plant Sciences 58/234, IF2019=2.762). <https://doi.org/10.3390/plants9091147>.
57. Vujić, B.; Vidaković, V.; Jadranin, M.; Novaković, I. T.; Trifunović, S. S.; Tešević, V.; Mandić, B. Composition, Antioxidant Potential, and Antimicrobial Activity of *Helichrysum Plicatum* DC. Various Extracts. *Plants* **2020**, *9* (3), 337, (Plant Sciences 58/234, IF2019=2.762). <https://doi.org/10.3390/plants9030337>.
58. Bartolić, D.; Maksimović, V.; Maksimović, J. D.; Stanković, M.; Krstović, S.; Baošić, R.; Radotić, K. Variations in Polyamine Conjugates in Maize (*Zea Mays* L.) Seeds Contaminated with Aflatoxin B1: A Dose–Response Relationship. *Journal of the Science of*

Food and Agriculture **2020**, *100* (7), 2905–2910, (Agriculture, Multidisciplinary 8/58, IF2019=2.614). <https://doi.org/10.1002/jsfa.10317>.

59. Korać, M.; Kamberović, Ž.; Anđić, Z.; Stopić, S. Advances in Thermochemical Synthesis and Characterization of the Prepared Copper/Alumina Nanocomposites. *Metals* **2020**, *10* (6), 719, (Metallurgy & Metallurgical Engineering 18/79, IF2018=2.259). <https://doi.org/10.3390/met10060719>.

IF<2

60. Vranić, S.; Ćurčić, S.; Vesović, N.; Mandić, B.; Pantelić, D.; Vasović, M.; Lazović, V.; Zhang, W.; Vujisić, L. Chemistry and Morphology of the Pygidial Glands in Four Pterostichini Ground Beetle Taxa (Coleoptera: Carabidae: Pterostichinae). *Zoology* **2020**, *142*, 125772, (Zoology 40/170, IF2018=1.779). <https://doi.org/10.1016/j.zool.2020.125772>.
61. Milanović, V. D.; Trivić, D. Arguments of 14-Year-Olds in the Context of History of the Development of Organic Chemistry. *Science and Education* **2020**, *29* (1), 43–74, (History & Philosophy of Science 14/74, IF: 1.426). <https://doi.org/10.1007/s11191-019-00092-8>.