

Publikacje ICHB PAN indeksowane w bazie Web of Science 2021

1. **Joanna Miśkiewicz, Joanna Sarzyńska, Marta Szachniuk**, „How bioinformatics resources work with G4 RNAs”, *Briefings in Bioinformatics*, 22, art. nr bbaa201, 2021. [DOI:10.1093/bib/bbaa201](https://doi.org/10.1093/bib/bbaa201)
2. **Wojciech Witek, Joanna Śliwiak, Miłosz Ruszkowski**, „Structural and mechanistic insights into the bifunctional HISN2 enzyme catalyzing the second and third steps of histidine biosynthesis in plants”, *Scientific Reports*, 11, art. nr 9647, 2021. [DOI:10.1038/s41598-021-88920-2](https://doi.org/10.1038/s41598-021-88920-2)
3. **Łukasz Marczak, Jakub Idkowiak, Joanna Tracz, Maciej Stobiecki**, Bartłomiej Perek, Katarzyna Kostka-Jeziorny, Andrzej Tykarski, Maria Wanic-Kossowska, Marcin Borowski, **Marcin Osuch**, Dorota Formanowicz, **Magdalena Łuczak**, „Mass Spectrometry-Based Lipidomics Reveals Differential Changes in the Accumulated Lipid Classes in Chronic Kidney Disease”, *Metabolites*, 11, art. nr 275, 2021. [DOI: 10.3390/metabo11050275](https://doi.org/10.3390/metabo11050275)
4. **Carolina Roxo, Weronika Kotkowiak, Anna Pasternak**, „G4 Matters—The Influence of G-Quadruplex Structural Elements on the Antiproliferative Properties of G-Rich Oligonucleotides”, *International Journal of Molecular Sciences*, 22, art. nr 4941, 2021. [DOI: 10.3390/ijms22094941](https://doi.org/10.3390/ijms22094941)
5. Piotr Maj, Adam Jarmuła, Piotr Wilk, Małgorzata Prokopowicz, **Wojciech Rypniewski**, Zbigniew Zieliński, Anna Dowierciał, Agnieszka Bzowska, Wojciech Rode, „Molecular Mechanism of Thymidylate Synthase Inhibition by N⁴-Hydroxy-dCMP in View of Spectrophotometric and Crystallographic Studies”, *International Journal of Molecular Sciences*, 22, art. nr 4758, 2021. [DOI: 10.3390/ijms22094758](https://doi.org/10.3390/ijms22094758)
6. Agnieszka Szuba, **Łukasz Marczak**, Rafał Kozłowski, „Pb Stress and Ectomycorrhizas: Strong Protective Proteomic Responses in Poplar Roots Inoculated with *Paxillus involutus* Isolate and Characterized by Low Root Colonization Intensity”, *International Journal of Molecular Sciences*, 22, art. nr 4300, 2021. [DOI: 10.3390/ijms22094300](https://doi.org/10.3390/ijms22094300)

7. Marek Grabowski, Joanna M. Macnar, Marcin Cymborowski, David R. Cooper, Ivan G. Shabalin, **Mirosław Gilski**, **Dariusz Brzeziński**, Marcin Kowiel, Zbigniew Dauter, Bernhard Rupp, Alexander Wlodawer, **Mariusz Jaskólski**, Wlodek Minor, „Rapid response to emerging biomedical challenges and threats”, *IUCRJ*, 8, 395-407, 2021. DOI: [10.1107/S2052252521003018](https://doi.org/10.1107/S2052252521003018)
8. **Magdalena Woźna-Wysocka**, Marta Rybska, Beata Błaszak, Bartłomiej M. Jaśkowski, Magdalena Kulus, Jędrzej M. Jaśkowski, „Morphological changes in bitches endometrium affected by cystic endometrial hyperplasia - pyometra complex – the value of histopathological examination”, *BMC Veterinary Research*, 17, art. nr 174, 2021. DOI: [10.1186/s12917-021-02875-0](https://doi.org/10.1186/s12917-021-02875-0)
9. Nicoletta Makowska, Katarzyna Bresa, Ryszard Koczura, **Anna Philips**, **Katarzyna Nowis**, Joanna Mokracka, „Urban wastewater as a conduit for pathogenic Gram-positive bacteria and genes encoding resistance to β -lactams and glycopeptides”, *Science of the Total Environment*, 765, art. nr 144176, 2021. DOI: [10.1016/j.scitotenv.2020.144176](https://doi.org/10.1016/j.scitotenv.2020.144176)
10. **Marta Pastorczyk-Szlenkier**, **Paweł Bednarek**, „UGT76B1 controls the growth-immunity trade-off during systemic acquired resistance”, *Molecular Plant*, 14, 544-546, 2021. DOI: [10.1016/j.molp.2021.03.012](https://doi.org/10.1016/j.molp.2021.03.012)
11. Przemysław Makarowicz, Tomasz Goslar, Jacek Górski, Halina Taras, Anita Szczepanek, Łukasz Pospieszny, Marina O. Jagodinska, Vasyl Ilchyshyn, Piotr Włodarczak, Anna Juras, Maciej Chyleński, Przemysław Muzolf, Anna Lasota-Kuś, Irena Wójcik, Andrzej Matoga, Marek Nowak, Marcin M. Przybyła, **Małgorzata Marcinkowska-Swojak**, **Marek Figlerowicz**, Ryszard Grygiel, Janusz Czebreszuk, Igor T. Kochkin, „The Absolute Chronology of Collective Burials from the 2nd Millenium BC in East Central Europe”, *Radiocarbon*, 63, 669-692, 2021. DOI: [10.1017/RDC.2020.139](https://doi.org/10.1017/RDC.2020.139)
12. Paweł Bąkowski, Kinga Ciemniewska-Gorzela, **Kamilla Bąkowska-Żywicka**, Łukasz Stołowski, Tomasz Piontek, „Similar Outcomes and Satisfaction of the Proprioceptive versus Standard Training on the Knee Function and Proprioception, Following the Anterior

- Cruciate Ligament Reconstruction”, *Applied Sciences*, 11, art. nr 3494, 2021. [DOI: 10.3390/app11083494](https://doi.org/10.3390/app11083494)
13. **Aneta Sawikowska**, Anna Piasecka, Piotr Kachlicki, Paweł Krajewski, „Separation of Chromatographic Co-Eluted Compounds by Clustering and by Functional Data Analysis”, *Metabolites*, 11, art. nr 214, 2021. [DOI: 10.3390/metabo11040214](https://doi.org/10.3390/metabo11040214)
14. Tomasz Koczorowski, Wojciech Szczolko, **Anna Teubert**, Tomasz Gośliński, „Sulfanyl Porphyrazines with Morpholinylethyl Periphery—Synthesis, Electrochemistry, and Photocatalytic Studies after Deposition on Titanium(IV) Oxide P25 Nanoparticles”, *Molecules*, 26, art. nr 2280, 2021. [DOI: 10.3390/molecules26082280](https://doi.org/10.3390/molecules26082280)
15. Katarzyna Zaorska, **Piotr Zawierucha**, Monika Świerczewska, Danuta Ostalska-Nowicka, Jacek Zachwieja, Michał Nowicki, „Prediction of steroid resistance and steroid dependence in nephrotic syndrome children”, *Journal of Translational Medicine*, 19, art. nr 130, 2021. [DOI: 10.1186/s12967-021-02790-w](https://doi.org/10.1186/s12967-021-02790-w)
16. Emily Golden, Rabab Rashwan, Eleanor A. Woodward, Agustin Sgro, Edina Wang, Anabel Sorolla, Charlene Waryah, Wan Jun Tie, Elisabet Cuyàs, **Magdalena Ratajska**, Iwona Kardaś, **Piotr Kozłowski**, Elizabeth K. M. Johnstone, Heng B. See, Ciara Duffy, Jeremy Parry, Kim A. Lagerborg, Piotr Czapiewski, Javier A. Menendez, Adam Gorczyński, Bartosz Wasag, Kevin D. G. Pflieger, Christina Curtis, Bum-Kyu Lee, Jonghwan Kim, Joseph Cursons, Nathan J. Pavlos, Wojciech Biernat, Mohit Jain, Andrew J. Woo, Andrew Redfern, Pilar Blancafort, „The oncogene *AAMDC* links PI3K-AKT-mTOR signaling with metabolic reprogramming in estrogen receptor-positive breast cancer”, *Nature Communications*, 12, art. nr 1920, 2021. [DOI: 10.1038/s41467-021-22101-7](https://doi.org/10.1038/s41467-021-22101-7)
17. Alfredo Aguilar, Roland Wohlgemuth, **Tomasz Twardowski**, „Introduction to the special issue: Trends in bioeconomy”, *New Biotechnology*, 61, 9-10, 2021. [DOI: 10.1016/j.nbt.2020.11.002](https://doi.org/10.1016/j.nbt.2020.11.002)

18. Roland Wohlgemuth, **Tomasz Twardowski**, Alfredo Aguilar, „Bioeconomy moving forward step by step – A global journey”, *New Biotechnology*, 61, 22-28, 2021. [DOI: 10.1016/j.nbt.2020.11.006](https://doi.org/10.1016/j.nbt.2020.11.006)
19. **Karolina Jarzyniak**, **Joanna Banasiak**, **Tomasz Jamruszka**, **Aleksandra Pawela**, Martin Di Donato, Ondřej Novák, Markus Geisler, **Michał Jasiński**, „Early stages of legume–rhizobia symbiosis are controlled by ABCG-mediated transport of active cytokinins”, *Nature Plants*, 7, 428-436, 2021. [DOI: 10.1038/s41477-021-00873-6](https://doi.org/10.1038/s41477-021-00873-6)
20. **Angelika Andrzejewska**, **Małgorzata Zawadzka**, **Julita Gumna**, David J Garfinkel, **Katarzyna Pachulska-Wieczorek**, „*In vivo* structure of the Ty1 retrotransposon RNA genome”, *Nucleic Acids Research*, 49, 2878-2893, 2021. [DOI: 10.1093/nar/gkab090](https://doi.org/10.1093/nar/gkab090)
21. **Natalia Koralewska**, **Agnieszka Szczepańska**, **Kinga Ciechanowska**, **Marta Wojnicka**, **Maria Pokornowska**, **Marek C. Milewski**, **Dorota Gudanis**, **Daniel Baranowski**, Chandran Nithin, Janusz M. Bujnicki, **Zofia Gdaniec**, **Marek Figlerowicz**, **Anna Kurzyńska-Kokorniak**, „RNA and DNA G-quadruplexes bind to human Dicer and inhibit its activity”, *Cellular and Molecular Life Sciences*, 78, 3709-3724, 2021. [DOI: 10.1007/s00018-021-03795-w](https://doi.org/10.1007/s00018-021-03795-w)
22. **Paulina Bierwagen**, **Joanna Śliwiak**, **Mariusz Jaskólski**, **Anna Urbanowicz**, „Strong interactions between Salp15 homologues from the tick *I. ricinus* and distinct types of the outer surface OspC protein from *Borrelia*”, *Ticks and Tick-borne Diseases*, 12, art. nr 101630, 2021. [DOI: 10.1016/j.ttbdis.2020.101630](https://doi.org/10.1016/j.ttbdis.2020.101630)
23. **Aleksander Strugała**, Jakub Jagielski, **Karol Kamel**, Grzegorz Nowaczyk, **Marcin Radom**, **Marek Figlerowicz**, **Anna Urbanowicz**, „Virus-Like Particles Produced Using the Brome Mosaic Virus Recombinant Capsid Protein Expressed in a Bacterial System”, *International Journal of Molecular Sciences*, 22, art. nr 3098, 2021. [DOI: 10.3390/ijms22063098](https://doi.org/10.3390/ijms22063098)
24. **Paula Michalak**, **Julita Piasecka**, **Barbara Szutkowska**, **Ryszard Kierzek**, **Ewa Biała**, Walter N. Moss, **Elżbieta Kierzek**, „Conserved Structural Motifs of Two Distant IAV Subtypes in Genomic Segment 5 RNA”, *Viruses*, 13, art. nr 525, 2021. [DOI: 10.3390/v13030525](https://doi.org/10.3390/v13030525)

25. Beata P. Plitta-Michalak, **Mirosława Z. Naskręt-Barciszewska**, **Jan Barciszewski**, Paweł Chmielarz, Marcin Michalak, „Epigenetic Integrity of Orthodox Seeds Stored under Conventional and Cryogenic Conditions”, *Forests*, 12, art. nr 288, 2021. [DOI: 10.3390/f12030288](https://doi.org/10.3390/f12030288)
26. Marta Ignasiak, Karolina Nowicka-Bauer, **Marta Grzechowiak**, **Michał Sikorski**, Bachuki Shashikadze, **Mariusz Jaskólski**, Bronisław Marciniak, „Sensitized photo-oxidation of plant cytokinin-specific binding protein - Does the environment of the thioether group influence the oxidation reaction? From primary intermediates to stable products”, *Free Radical Biology and Medicine*, 165, 411-420, 2021. [DOI: 10.1016/j.freeradbiomed.2021.02.004](https://doi.org/10.1016/j.freeradbiomed.2021.02.004)
27. **Marta Rachwalak**, **Joanna Romanowska**, **Michał Sobkowski**, **Jacek Stawiński**, „Nucleoside Di- and Triphosphates as a New Generation of Anti-HIV Pronucleotides. Chemical and Biological Aspects”, *Applied Sciences*, 11, art. nr 2248, 2021. [DOI: 10.3390/app11052248](https://doi.org/10.3390/app11052248)
28. Sebastian Rykowski, **Dorota Gurda-Woźna**, **Marta Orlicka-Płocka**, **Agnieszka Fedoruk-Wyszomirska**, **Małgorzata Giel-Pietraszuk**, **Eliza Wyszko**, Aleksandra Kowalczyk, Paweł Stączek, Andrzej Bak, **Agnieszka Kiliszek**, **Wojciech Rypniewski**, Agnieszka B. Olejniczak, „Design, Synthesis, and Evaluation of Novel 3-Carboranyl-1,8-Naphthalimide Derivatives as Potential Anticancer Agents”, *International Journal of Molecular Sciences*, 22, art. nr 2772, 2021. [DOI: 10.3390/ijms22052772](https://doi.org/10.3390/ijms22052772)
29. **Mariusz Jaskólski**, Zbigniew Dauter, Ivan G. Shabalin, **Mirostaw Gilski**, **Dariusz Brzeziński**, **Marcin Kowiel**, Bernhard Rupp, Alexander Wlodawer, „Crystallographic models of SARS-CoV-2 3CL^{pro}: in-depth assessment of structure quality and validation”, *IUCrJ*, 8, 238-256, 2021. [DOI: 10.1107/S2052252521001159](https://doi.org/10.1107/S2052252521001159)
30. Bartosz Naskręcki, Zbigniew Dauter, **Mariusz Jaskólski**, „Arithmetic proof of the multiplicity-weighted Euler characteristic for symmetrically arranged space-filling polyhedra”, *Acta Crystallographica A – Foundation and Advances*, 77, 126-129, 2021. [DOI: 10.1107/S2053273320016186](https://doi.org/10.1107/S2053273320016186)

31. **Ewa Woźniak, Agata Tyczewska, Tomasz Twardowski**, „A Shift Towards Biotechnology: Social Opinion in the EU”, *Trends in Biotechnology*, 39, 214-218, 2021. DOI: [10.1016/j.tibtech.2020.08.001](https://doi.org/10.1016/j.tibtech.2020.08.001)
32. Joanna Kołodziejczyk-Czepas, Michał Ponczek, Magdalena Sady-Janczak, **Radosław Pilarski**, Bożena Bukowska, „Extracts from *Uncaria tomentosa* as antiplatelet agents and thrombin inhibitors – The *in vitro* and *in silico* study”, *Journal of Ethnopharmacology*, 267, art. nr 113494, 2021. DOI: [10.1016/j.jep.2020.113494](https://doi.org/10.1016/j.jep.2020.113494)
33. Venkata N. K. B. Adusumalli, Lucyna Mrówczyńska, **Dorota Kwiatek**, Łukasz Piosik, Andrzej Lesicki, Stefan Lis, „Ligand-Sensitised LaF₃:Eu³⁺ and SrF₂:Eu³⁺ Nanoparticles and *in Vitro* Haemocompatibility Studies”, *ChemMedChem*, 16, 1640-1650, 2021. DOI: [10.1002/cmdc.202100028](https://doi.org/10.1002/cmdc.202100028)
34. Arkadiusz D. Liśkiewicz, **Łukasz Marczak**, Katarzyna Bogus, Daniela Liśkiewicz, Marta Przybyła, Joanna Lewin-Kowalik, „Proteomic and Structural Manifestations of Cardiomyopathy in Rat Models of Obesity and Weight Loss”, *Frontiers in Endocrinology*, 12, art. nr 568197, 2021. DOI: [10.3389/fendo.2021.568197](https://doi.org/10.3389/fendo.2021.568197)
35. Marek Grabowski, David R. Coopera, **Dariusz Brzeziński**, Joanna M. Macnar, Ivan G. Shabalin, Marcin Cymborowski, Zbyszek Otwinowski, Wlodek Minor, „Synchrotron radiation as a tool for macromolecular X-Ray Crystallography: A XXI century perspective”, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 489, 30-40, 2021. DOI: [10.1016/j.nimb.2020.12.016](https://doi.org/10.1016/j.nimb.2020.12.016)
36. Joanna Nowak-Karnowska, **Karolina Zielińska**, Jan Milecki, Bohdan Skalski, „Thermally reversible and irreversible interstrand photocrosslinking of 5-chloro-2'-deoxy-4-thiouridine modified DNA oligonucleotides”, *Organic & Biomolecular Chemistry*, 19, 1292-1295, 2021. DOI: [10.1039/d0ob02422h](https://doi.org/10.1039/d0ob02422h)
37. Monika Pietrowska, Aneta Zebrowska, Marta Gawin, **Łukasz Marczak**, Priyanka Sharma, Sujan Mondal, Justyna Mika, Joanna Polańska, Soldano Ferrone, John M. Kirkwood, Piotr Widlak, Theresa L. Whiteside, „Proteomic profile of melanoma cell-derived small

- extracellular vesicles in patients' plasma: a potential correlate of melanoma progression", *Journal of Extracellular Vesicles*, 10, art. nr e12063, 2021. [DOI: 10.1002/jev2.12063](https://doi.org/10.1002/jev2.12063)
38. Taavi Vanaveski, Svetlana Molchanova, Dan Duc Pham, Annika Schäfer, Ceren Pajanoja, Jane Narvik, Vignesh Srinivasan, Mari Urb, Maria Koivisto, Eero Vasar, Tönis Timmusk, Rimante Minkeviciene, Ove Eriksson, **Maciej Lalowski**, Tomi Taira, Laura Korhonen, Vootele Voikar, Dan Lindholm, „PGC-1 α Signaling Increases GABA(A) Receptor Subunit α 2 Expression, GABAergic Neurotransmission and Anxiety-Like Behavior in Mice", *Frontiers in Molecular Neuroscience*, 14, art. nr 588230, 2021. [DOI: 10.3389/fnmol.2021.588230](https://doi.org/10.3389/fnmol.2021.588230)
39. **Łukasz Przybył, Magdalena Woźna-Wysocka, Emilia Kozłowska, Agnieszka Fiszer**, „What, When and How to Measure—Peripheral Biomarkers in Therapy of Huntington's Disease", *International Journal of Molecular Sciences*, 22, art. nr 1561, 2021. [DOI: 10.3390/ijms22041561](https://doi.org/10.3390/ijms22041561)
40. **Agnieszka Ruszkowska**, „METTL16, Methyltransferase-Like Protein 16: Current Insights into Structure and Function", *International Journal of Molecular Sciences*, 22, art. nr 2176, 2021. [DOI: 10.3390/ijms22042176](https://doi.org/10.3390/ijms22042176)
41. **Agata Tyczewska, Joanna Gracz-Bernaciak, Jakub Szymkowiak, Tomasz Twardowski**, „Herbicide stress-induced DNA methylation changes in two *Zea mays* inbred lines differing in Roundup[®] resistance", *Journal of Applied Genetics*, 62, 235-248, 2021. [DOI: 10.1007/s13353-021-00609-4](https://doi.org/10.1007/s13353-021-00609-4)
42. **Ewa Woźniak, Agata Tyczewska, Tomasz Twardowski**, „Bioeconomy development factors in the European Union and Poland", *New Biotechnology*, 60, 2-8, 2021. [DOI: 10.1016/j.nbt.2020.07.004](https://doi.org/10.1016/j.nbt.2020.07.004)
43. **Paulina Gałka-Marciniak, Martyna Olga Urbanek-Trzeciak, Paulina Maria Nawrocka, Piotr Kozłowski**, „A pan-cancer atlas of somatic mutations in miRNA biogenesis genes", *Nucleic Acids Research*, 49, 601–620, 2021. [DOI: 10.1093/nar/gkaa1223](https://doi.org/10.1093/nar/gkaa1223)

44. Sławomir Sowa, **Tomasz Twardowski**, **Ewa Woźniak**, Tomasz Zimny, „Legal and practical challenges to authorization of gene edited plants in the EU”, *New Biotechnology*, 60, 183-188, 2021. [DOI: 10.1016/j.nbt.2020.10.008](https://doi.org/10.1016/j.nbt.2020.10.008)
45. Alicja E. Grzegorzewska, Adrianna Mostowska, Monika K. Świdorska, Wojciech Marcinkowski, **Ireneusz Stolarek**, **Marek Figlerowicz**, Paweł P. Jagodziński, „Polymorphism rs368234815 of interferon lambda 4 gene and spontaneous clearance of hepatitis C virus in haemodialysis patients: a case-control study”, *BMC Infectious Diseases*, 21, art. nr 102, 2021. [DOI: 10.1186/s12879-021-05777-6](https://doi.org/10.1186/s12879-021-05777-6)
46. Sylwester Swat, Artur Laskowski, Jan Badura, Wojciech Frohmberg, Paweł Wojciechowski, Aleksandra Świercz, **Marta Kasprzak**, **Jacek Błażewicz**, „Genome-scale *de novo* assembly using ALGA”, *Bioinformatics*, art. nr btab005, 2021. [DOI:10.1093/bioinformatics/btab005](https://doi.org/10.1093/bioinformatics/btab005)
47. Krzysztof Drygalski, Katarzyna Siewko, Andrzej Chomentowski, **Cezary Odrzygóźdź**, Anna Zalewska, Adam Krętowski, Mateusz Maciejczyk, „Phloroglucinol Strengthens the Antioxidant Barrier and Reduces Oxidative/Nitrosative Stress in Nonalcoholic Fatty Liver Disease (NAFLD)”, *Oxidative Medicine and Cellular Longevity*, 2021, art. nr 8872702, 2021. [DOI: 10.1155/2021/8872702](https://doi.org/10.1155/2021/8872702)
48. Ayumi Kosaka, Marta Pastorczyk, **Mariola Piślewska-Bednarek**, Takumi Nishiuchi, Erika Ono, Haruka Suemoto, Atsushi Ishikawa, Henning Frerigmann, Masanori Kaido, Kazuyuki Mise, **Paweł Bednarek**, Yoshitaka Takano, „Tryptophan-derived metabolites and BAK1 separately contribute to *Arabidopsis* postinvasive immunity against *Alternaria brassicicola*”, *Scientific Reports*, 11, art. nr 1488, 2021. [DOI: 10.1038/s41598-020-79562-x](https://doi.org/10.1038/s41598-020-79562-x)
49. Andrii Pyrih, **Mariusz Jaskólski**, Andrzej K. Gzella, Roman Lesyk, „Synthesis, structure and evaluation of anticancer activity of 4-amino-1,3-thiazolinone/pyrazoline hybrids”, *Journal of Molecular Structure*, 1224, art. nr 129059, 2021. [DOI: 10.1016/j.molstruc.2020.129059](https://doi.org/10.1016/j.molstruc.2020.129059)
50. Anna Parus, Jan Homa, Dariusz Radoński, **Grzegorz Framski**, MartaWoźniak-Karczewska, Anna Syguda, Łukasz Ławniczak, Łukasz Chrzanowski, „Novel esterquat-based herbicidal ionic liquids incorporating MCPA and MCPP for simultaneous stimulation of maize growth

and fighting cornflower”, *Ecotoxicology and Environmental Safety*, 208, art. nr 111595, 2021. [DOI: 10.1016/j.ecoenv.2020.111595](https://doi.org/10.1016/j.ecoenv.2020.111595)

51. Yanwu Guo, Cristina Tocchini, **Rafał Ciosk**, „CLK-2/TEL2 is a conserved component of the nonsense-mediated mRNA decay pathway”, *PLoS One*, 16, art. nr e0244505, 2021. [DOI: 10.1371/journal.pone.0244505](https://doi.org/10.1371/journal.pone.0244505)
52. **Joanna Tracz**, **Luiza Handschuh**, **Maciej Lalowski**, **Łukasz Marczak**, Katarzyna Kostka-Jeziorny, Bartłomiej Perek, Maria Wanic-Kossowska, Alina Podkowińska, Andrzej Tykarski, Dorota Formanowicz, **Magdalena Łuczak**, „Proteomic Profiling of Leukocytes Reveals Dysregulation of Adhesion and Integrin Proteins in Chronic Kidney Disease-Related Atherosclerosis”, *Journal of Proteome Research*, 20, 3053-3067, 2021. [DOI:10.1021/acs.jproteome.0c00883](https://doi.org/10.1021/acs.jproteome.0c00883)
53. **Mariusz Jaskólski**, Alexander Wlodawer, Zbigniew Dauter, Ivan Shabalín, Maksymilian Chruszcz, „Celebrating the 75th birthday of Professor Wladek Minor, one of the most accomplished Polish-American structural biologists”, *Acta Biochimica Polonica*, 68, 1-4, 2021. [DOI: 10.18388/abp.2020_5539](https://doi.org/10.18388/abp.2020_5539)
54. **Jakub Barciszewski**, **Kamil Szpotkowski**, Janusz Wiśniewski, Robert Kołodziejczyk, Dariusz Rakus, **Mariusz Jaskólski**, „Structural studies of human muscle FBPase”, *Acta Biochimica Polonica*, 68, 5-14, 2021. [DOI: 10.18388/abp.2020_5554](https://doi.org/10.18388/abp.2020_5554)
55. **Marta Grzechowiak**, Bartosz Sekuła, **Mariusz Jaskólski**, **Miłosz Ruszkowski**, „Serendipitous crystallization of E. coli HP11 catalase, a sequel to the tale usually not told”, *Acta Biochimica Polonica*, 68, 29-31, 2021. [DOI: 10.18388/abp.2020_5501](https://doi.org/10.18388/abp.2020_5501)
56. **Eliza Wyszko**, **Mariusz Popenda**, **Dorota Gudanis**, **Joanna Sarzyńska**, **Agnieszka Belter**, Patrick Perrigue, Paweł Skowronek, **Katarzyna Rolle**, **Jan Barciszewski**, „The model structure of the hammerhead ribozyme formed by RNAs of reciprocal chirality”, *Bioscience Reports*, 41, art. nr BSR20203424, 2021. [DOI: 10.1042/BSR20203424](https://doi.org/10.1042/BSR20203424)

57. A. Nowak-Terpiłowska, **P. Śledziński**, J. Zeyland, „Impact of cell harvesting methods on detection of cell surface proteins and apoptotic markers”, *Brazilian Journal of Medical and Biological Research*, 54, art. nr e10197, 2021. [DOI: 10.1590/1414-431X202010197](https://doi.org/10.1590/1414-431X202010197)
58. Julia O. Misiorek, Alicja Przybyszewska-Podstawka, Joanna Kałafut, Beata Paziewska, **Katarzyna Rolle**, Adolfo Rivero-Müller, Matthias Nees, „Context Matters: NOTCH Signatures and Pathway in Cancer Progression and Metastasis”, *Cells*, 10, art. nr 94, 2021. [DOI: 10.3390/cells10010094](https://doi.org/10.3390/cells10010094)
59. **Kinga Ciechanowska**, **Maria Pokornowska**, **Anna Kurzyńska-Kokorniak**, „Genetic Insight into the Domain Structure and Functions of Dicer-Type Ribonucleases”, *International Journal of Molecular Sciences*, 22, art. nr 616, 2021. [DOI: 10.3390/ijms22020616](https://doi.org/10.3390/ijms22020616)
60. Louisa Lepkes, Mohamad Kayali, Britta Blümcke, Jonas Weber, **Malwina Suszyńska**, Sandra Schmidt, Julika Borde, **Katarzyna Klonowska**, Barbara Wappenschmidt, Jan Hauke, **Piotr Kozłowski**, Rita K. Schmutzler, Eric Hahnen, Corinna Ernst, „Performance of In Silico Prediction Tools for the Detection of Germline Copy Number Variations in Cancer Predisposition Genes in 4208 Female Index Patients with Familial Breast and Ovarian Cancer”, *Cancers*, 13, art. nr 118, 2021. [DOI: 10.3390/cancers13010118](https://doi.org/10.3390/cancers13010118)
61. **Paweł Czerniawski**, **Anna Piasecka**, **Paweł Bednarek**, „Evolutionary changes in the glucosinolate biosynthetic capacity in species representing *Capsella*, *Camelina* and *Neslia* genera”, *Phytochemistry*, 181, art. nr 112571, 2021. [DOI: 10.1016/j.phytochem.2020.112571](https://doi.org/10.1016/j.phytochem.2020.112571)
62. **Paweł Śledziński**, Agnieszka Nowak-Terpiłowska, Joanna Zeyland, „Cannabinoids in Medicine: Cancer, Immunity, and Microbial Diseases”, *International Journal of Molecular Sciences*, 22, art. nr 263, 2021. [DOI: 10.3390/ijms22010263](https://doi.org/10.3390/ijms22010263)