

Piotr MÅ,ynarz

List of Publications by Year in descending order

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85
papers

1,879
citations

279798

23
h-index

302126

39
g-index

85
all docs

85
docs citations

85
times ranked

3325
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination of heavy metals by dithiothreitol, a commonly used thiol group protectant. <i>Journal of Inorganic Biochemistry</i> , 2001, 84, 77-88.	3.5	188
2	Serum and urine metabolomic fingerprinting in diagnostics of inflammatory bowel diseases. <i>World Journal of Gastroenterology</i> , 2014, 20, 163.	3.3	148
3	Metabolomics provide new insights on lung cancer staging and discrimination from chronic obstructive pulmonary disease. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 100, 369-380.	2.8	85
4	Metabolomics of Human Amniotic Fluid and Maternal Plasma during Normal Pregnancy. <i>PLoS ONE</i> , 2016, 11, e0152740.	2.5	77
5	Metabolomic studies of <i>Pseudomonas aeruginosa</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 178.	3.6	71
6	Limited prolonged effects of rifaximin treatment on irritable bowel syndrome-related differences in the fecal microbiome and metabolome. <i>Gut Microbes</i> , 2016, 7, 397-413.	9.8	68
7	Follicular Adenomas Exhibit a Unique Metabolic Profile. ¹ H NMR Studies of Thyroid Lesions. <i>PLoS ONE</i> , 2013, 8, e84637.	2.5	58
8	Phosphorus NMR as a tool to study mineralization of organophosphonates – The ability of <i>Spirulina</i> spp. to degrade glyphosate. <i>Enzyme and Microbial Technology</i> , 2007, 41, 286-291.	3.2	55
9	Effects of divalent metal ions on the β -crystallin chaperone-like activity: spectroscopic evidence for a complex between copper(II) and protein. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1103-1109.	3.5	54
10	Application of ¹ H NMR-based serum metabolomic studies for monitoring female patients with rheumatoid arthritis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 544-550.	2.8	50
11	Antifungal Activity of the Carrot Seed Oil and its Major Sesquiterpene Compounds. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 791-796.	1.4	48
12	Impact of the peptide sequence on the coordination abilities of albumin-like tripeptides towards Cu ²⁺ , Ni ²⁺ and Zn ²⁺ ions. Potential albumin-like peptide chelators Electronic supplementary information (ESI) available: Tables S1 – S3 and Fig. S1 – S4 described in the text. See http://www.rsc.org/suppdata/nj/b1/b107412c/ . <i>New Journal of Chemistry</i> , 2002, 26, 264-268.	2.8	47
13	Coordination diversity of N-phosphoryl-N ² -phenylthiourea (LH) towards CoII, NiII and PdII cations: Crystal structure of ML2-N,S and ML2-O,S chelates. <i>Inorganica Chimica Acta</i> , 2006, 359, 2087-2096.	2.4	44
14	Serum and urine ¹ H NMR-based metabolomics in the diagnosis of selected thyroid diseases. <i>Scientific Reports</i> , 2017, 7, 9108.	3.3	43
15	Coordination properties of Cu(II) and Ni(II) ions towards the C-terminal peptide fragment “ELAKHA” of histone H2B. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 606-615.	3.5	36
16	Fusion of the ¹ H NMR data of serum, urine and exhaled breath condensate in order to discriminate chronic obstructive pulmonary disease and obstructive sleep apnea syndrome. <i>Metabolomics</i> , 2015, 11, 1563-1574.	3.0	36
17	Serine Biosynthesis Pathway Supports MYC – miR-494 – EZH2 Feed-Forward Circuit Necessary to Maintain Metabolic and Epigenetic Reprogramming of Burkitt Lymphoma Cells. <i>Cancers</i> , 2020, 12, 580.	3.7	33
18	N-phosphonomethylglycine utilization by the psychrotolerant yeast <i>Solicozozyma terricola</i> M 3.1.4.. <i>Bioorganic Chemistry</i> , 2019, 93, 102866.	4.1	32

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19	¹ H NMR-based metabolomics studies of urine reveal differences between type 1 diabetic patients with high and low HbA _{1c} values. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 83, 43-48.	2.8	31
20	Metabolomic Status of The Oral Cavity in Chronic Periodontitis. <i>In Vivo</i> , 2019, 33, 1165-1174.	1.3	31
21	Methylphosphonate, hydroxymethylphosphonate and aminomethylphosphonate ligands containing pyridine, pyrazole or imidazole side chains: the coordination abilities towards Cu(II) ions. <i>Inorganica Chimica Acta</i> , 2000, 303, 47-53.	2.4	30
22	Coordination abilities of amino-phosphonate derivatives of pyridine. <i>Inorganica Chimica Acta</i> , 2001, 322, 157-161.	2.4	29
23	Copper and nickel complex-formation equilibria with Lys-Gly-His-Lys, a fragment of the matricellular protein SPARC. <i>Polyhedron</i> , 2002, 21, 1469-1474.	2.2	29
24	Copper complexes of dipeptides with l-Lys as C-terminal residue: a thermodynamic and spectroscopic study. <i>Polyhedron</i> , 2000, 19, 2409-2419.	2.2	20
25	Biodiversity in targeted metabolomics analysis of filamentous fungal pathogens by ¹ H NMR-based studies. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 132.	3.6	17
26	Correlation between type of alkali rinsing, cytotoxicity of bio-nanocellulose and presence of metabolites within cellulose membranes. <i>Carbohydrate Polymers</i> , 2017, 157, 371-379.	10.2	16
27	Serum metabolomics approach to monitor the changes in metabolite profiles following renal transplantation. <i>Scientific Reports</i> , 2020, 10, 17223.	3.3	16
28	Metabolic profiles of exudates from chronic leg ulcerations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 13-22.	2.8	15
29	The influence of different diets on metabolism and atherosclerosis processes—A porcine model: Blood serum, urine and tissues ¹ H NMR metabolomics targeted analysis. <i>PLoS ONE</i> , 2017, 12, e0184798.	2.5	15
30	Proteome of cat semen obtained after urethral catheterization. <i>Theriogenology</i> , 2020, 141, 68-81.	2.1	15
31	Unusual Coordination Behaviour of a Phosphonate- and Pyridine-Containing Ligand in a Stable Lanthanide Complex. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1696-1702.	2.0	14
32	Application of nuclear magnetic resonance spectroscopy for the detection of metabolic disorders in patients with moderate kidney insufficiency. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 1-8.	2.8	14
33	Preparation of a novel group of hybrid compounds N-benzyl aminoboronbenzylphosphonic and N,N'-ethylenedi(aminoboronbenzylphosphonic) acids. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 457-460.	1.8	13
34	Do Differences in Chemical Composition of Stem and Cap of <i>Amanita muscaria</i> Fruiting Bodies Correlate with Topsoil Type?. <i>PLoS ONE</i> , 2014, 9, e104084.	2.5	13
35	Effective control of the intrinsic DNA morphology by photosensitive polyamines. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1028-1038.	5.8	13
36	Linear and Third-Order Nonlinear Optical Properties of Triazobenzene-1,3,5-triazinane-2,4,6-trione (Isocyanurate) Derivatives. <i>ChemPlusChem</i> , 2017, 82, 1372-1383.	2.8	13

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37	Formation equilibria of nickel complexes with glycyl-histidyl-lysine and two synthetic analogues. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 153-160.	3.5	12
38	Organophosphorus Supramolecular Chemistry. Part 2. Organophosphorus Receptors. <i>Current Organic Chemistry</i> , 2007, 11, 1593-1609.	1.6	12
39	Coordination abilities of difunctional, diamminophosphonic acid and its dipeptides towards Cu(II) ions. <i>Polyhedron</i> , 2007, 26, 4287-4293.	2.2	12
40	Synthesis of phosphonate derivatives of 2,3-dihydroindene. <i>Tetrahedron Letters</i> , 2009, 50, 7314-7317.	1.4	12
41	Long range phosphorus–phosphorus coupling constants in bis(phosphorylhydroxymethyl)benzene derivatives. <i>Tetrahedron Letters</i> , 2010, 51, 3406-3411.	1.4	12
42	The Cu(II)-fluconazole complex revisited. Part I: Structural characteristics of the system. <i>Journal of Inorganic Biochemistry</i> , 2012, 106, 23-31.	3.5	12
43	Metabolomic studies as a tool for determining the post-mortem interval (PMI) in stillborn calves. <i>BMC Veterinary Research</i> , 2019, 15, 189.	1.9	12
44	An Optimization of Liquid–Liquid Extraction of Urinary Volatile and Semi-Volatile Compounds and Its Application for Gas Chromatography-Mass Spectrometry and Proton Nuclear Magnetic Resonance Spectroscopy. <i>Molecules</i> , 2020, 25, 3651.	3.8	12
45	Differences in metabolic profiles of planktonic and biofilm cells in <i>Staphylococcus aureus</i> - ¹ H Nuclear Magnetic Resonance search for candidate biomarkers. <i>Acta Biochimica Polonica</i> , 2013, 60, 701-6.	0.5	12
46	Hydrogel Alginate Seed Coating as an Innovative Method for Delivering Nutrients at the Early Stages of Plant Growth. <i>Polymers</i> , 2021, 13, 4233.	4.5	12
47	1,4-Phenylene-di(N-l-alanylaminomethylphosphonate) a new diamminophosphonate peptide receptor for lysine and arginine. <i>Journal of Molecular Structure</i> , 2008, 873, 173-180.	3.6	11
48	Using Metabolomics to Monitor Kidney Transplantation Patients by Means of Clustering to Spot Anomalous Patient Behavior. <i>Transplantation Proceedings</i> , 2013, 45, 1511-1515.	0.6	11
49	Light-driven chiroptical photoswitchable DNA assemblies mediated by bioinspired photoresponsive molecules. <i>Nanoscale</i> , 2018, 10, 11302-11306.	5.6	11
50	Possible metabolic switch between environmental and pathogenic <i>Pseudomonas aeruginosa</i> strains: ¹ H NMR based metabolomics study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113369.	2.8	11
51	Cu(II) Ion Coordination to an Unprotected Pentadecapeptide Containing Two His Residues: Competition Between the Terminal Amino and the Side-Chain Imidazole Nitrogen Donors. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1694-1702.	2.0	10
52	N,N'-Ethylenediaminobis(benzylphosphonic acids) as a potent class of chelators for metal ions. <i>Inorganica Chimica Acta</i> , 2009, 362, 707-713.	2.4	10
53	Activity of fluconazole and its Cu(II) complex towards <i>Candida</i> species. <i>Medicinal Chemistry Research</i> , 2015, 24, 2005-2010.	2.4	10
54	Remote-control of the enantiomeric supramolecular recognition mediated by chiral azobenzenes bound to human serum albumin. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21272-21275.	2.8	10

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55	Comparison of bacteria disintegration methods and their influence on data analysis in metabolomics. <i>Scientific Reports</i> , 2021, 11, 20859.	3.3	10
56	Unexpected formation of hydroxyborazaphosphonic acid in the reaction of (N-benzyl)benzylideneimine-2-boronic acid with diethyl phosphite. <i>Tetrahedron Letters</i> , 2009, 50, 132-134.	1.4	9
57	Structural analysis and sheep pituitary receptor binding of GnRH and its complexes with metal ions. <i>Journal of Inorganic Biochemistry</i> , 2003, 94, 28-35.	3.5	8
58	Potentiometric and NMR complexation studies of phenylboronic acid PBA and its aminophosphonate analog with selected catecholamines. <i>Journal of Molecular Structure</i> , 2013, 1040, 59-64.	3.6	8
59	Synthesis of fluorescent (benzyloxycarbonylamino)(aryl)methylphosphonates. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 741-745.	2.2	8
60	Interactions of N-heteroalkylaminomethylenebisphosphonic acids with Cd(II) ions: Electrochemical and spectroscopic investigations. <i>Inorganica Chimica Acta</i> , 2015, 435, 82-93.	2.4	8
61	Imunofanâ€”RDKVYR Peptideâ€”Stimulates Skin Cell Proliferation and Promotes Tissue Repair. <i>Molecules</i> , 2020, 25, 2884.	3.8	8
62	Evaluation of MDA-MB-468 Cell Culture Media Analysis in Predicting Triple-Negative Breast Cancer Patient Sera Metabolic Profiles. <i>Metabolites</i> , 2020, 10, 173.	2.9	8
63	NMR spectroscopy as a â€œgreen analytical methodâ€”in metabolomics and proteomics studies. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100474.	3.3	8
64	Serum NMR metabolomics to differentiate haematologic malignancies. <i>Oncotarget</i> , 2018, 9, 24414-24427.	1.8	8
65	Metabolomics Comparison of Drug-Resistant and Drug-Susceptible <i>Pseudomonas aeruginosa</i> Strain (Intra- and Extracellular Analysis). <i>International Journal of Molecular Sciences</i> , 2021, 22, 10820.	4.1	8
66	Probing the binding mechanism of photoresponsive azobenzene polyamine derivatives with human serum albumin. <i>RSC Advances</i> , 2017, 7, 5912-5919.	3.6	7
67	Reaction of benzolactams with triethyl phosphite prompted by phosphoryl chloride affords benzoannulated monophosphonates instead of expected bisphosphonates. <i>Journal of Organometallic Chemistry</i> , 2015, 785, 84-91.	1.8	6
68	Effect of Protoberberine-Rich Fraction of <i>Chelidonium majus</i> L. on Endometriosis Regression. <i>Pharmaceutics</i> , 2021, 13, 931.	4.5	6
69	Structural studies of Cu(II) binding to the novel peptidyl derivative of quinoxaline: N-(3-(2,3-di(pyridin-2-yl)quinoxalin-6-yl)alanyl)glycine. <i>Polyhedron</i> , 2011, 30, 9-15.	2.2	5
70	Rapid determination of ibotenic acid and muscimol in human urine. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 711-714.	1.9	5
71	Metabolomics analysis of fungal biofilm development and of arachidonic acidâ€”based quorum sensing mechanism. <i>Journal of Basic Microbiology</i> , 2017, 57, 428-439.	3.3	5
72	â€œTwinâ€”phosphorous atoms of tetraethyl 2â€”methylâ€”piperidylâ€”methylmethylenebisphosphonates. <i>Heteroatom Chemistry</i> , 2007, 18, 774-781.	0.7	4

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73	Tetra-2-methoxyethyl phenylene-1,4-di(benzyloaminomethanephosphonate) a new ligand for metal ions and amino acids. Electrospray ionization mass spectrometric and NMR studies. <i>Journal of Molecular Structure</i> , 2008, 875, 130-134.	3.6	4
74	¹ H NMR-based metabolic profiling for evaluating poppy seed rancidity and brewing. <i>Cellular and Molecular Biology Letters</i> , 2015, 20, 757-72.	7.0	3
75	LC-QTOF-MS and ¹ H NMR Metabolomics Verifies Potential Use of Greater Omentum for <i>Klebsiella pneumoniae</i> Biofilm Eradication in Rats. <i>Pathogens</i> , 2020, 9, 399.	2.8	3
76	Disease Differentiation and Monitoring of Anti-TNF Treatment in Rheumatoid Arthritis and Spondyloarthropathies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7389.	4.1	3
77	Effect of 6-Month Feeding with a Diet Enriched in EPA + DHA from Fish Meat on the Blood Metabolomic Profile of Dogs with Myxomatous Mitral Valve Disease. <i>Animals</i> , 2021, 11, 3360.	2.3	3
78	Gender-Specific Metabolomics Approach to Kidney Cancer. <i>Metabolites</i> , 2021, 11, 767.	2.9	3
79	The oxidative stress and metabolic response of <i>Acinetobacter baumannii</i> for aPDT multiple photosensitization. <i>Scientific Reports</i> , 2022, 12, 1913.	3.3	3
80	The Aza- β -aminophosphonate Macrocycle. Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1496-1501.	1.6	2
81	Bis{phenyl[di(methoxyethoxy)phosphoryl]methyl}amine as a new ligand for metal ions and cationic organic molecules. <i>Journal of Molecular Structure</i> , 2011, 991, 18-23.	3.6	2
82	Metabolomics of chronic obstructive pulmonary disease and obstructive sleep apnea syndrome: response to Maniscalco and Motta. <i>Metabolomics</i> , 2016, 12, 33.	3.0	1
83	Brain-dead and coma patients exhibit different serum metabolic profiles: preliminary investigation of a novel diagnostic approach in neurocritical care. <i>Scientific Reports</i> , 2021, 11, 15519.	3.3	1
84	Post hoc analysis of fecal samples from responders and non-responders to <i>Lactobacillus reuteri</i> DSM 17938 intervention. <i>Acta Biochimica Polonica</i> , 2020, 67, 393-399.	0.5	1
85	HIF1-Alpha and MYC Transcription Factor Signatures in B-Cell Acute Lymphoblastic Leukemia Are Associated with Positive Minimal Residual Disease Status: Therapeutic Implications. <i>Blood</i> , 2015, 126, 1436-1436.	1.4	0