

# 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	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
2	Effect of Protoberberine-Rich Fraction of <i>Chelidonium majus</i> L. on Endometriosis Regression. <i>Pharmaceutics</i> , 2021, 13, 931.	4.5	6
3	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
4	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
5	NMR spectroscopy as a green analytical method in metabolomics and proteomics studies. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 22, 100474.	3.3	8
6	Comparison of bacteria disintegration methods and their influence on data analysis in metabolomics. <i>Scientific Reports</i> , 2021, 11, 20859.	3.3	10
7	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
8	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
9	Gender-Specific Metabolomics Approach to Kidney Cancer. <i>Metabolites</i> , 2021, 11, 767.	2.9	3
10	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
11	Proteome of cat semen obtained after urethral catheterization. <i>Theriogenology</i> , 2020, 141, 68-81.	2.1	15
12	Serum metabolomics approach to monitor the changes in metabolite profiles following renal transplantation. <i>Scientific Reports</i> , 2020, 10, 17223.	3.3	16
13	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
14	LC-QTOF-MS and <sup>1</sup> 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
15	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
16	Imunofan-RDKVYR Peptide Stimulates Skin Cell Proliferation and Promotes Tissue Repair. <i>Molecules</i> , 2020, 25, 2884.	3.8	8
17	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
18	Possible metabolic switch between environmental and pathogenic <i>Pseudomonas aeruginosa</i> strains: <sup>1</sup> H NMR based metabolomics study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113369.	2.8	11

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19	Post hoc analysis of fecal samples from responders and non-responders to Lactobacillus reuteri DSM 17938 intervention. <i>Acta Biochimica Polonica</i> , 2020, 67, 393-399.	0.5	1
20	Metabolomic Status of The Oral Cavity in Chronic Periodontitis. <i>In Vivo</i> , 2019, 33, 1165-1174.	1.3	31
21	Metabolomic studies of <i>Pseudomonas aeruginosa</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 178.	3.6	71
22	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
23	N-phosphonomethylglycine utilization by the psychrotolerant yeast <i>Solicoocozyma terricola</i> M 3.1.4.. <i>Biorganic Chemistry</i> , 2019, 93, 102866.	4.1	32
24	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
25	Light-driven chiroptical photoswitchable DNA assemblies mediated by bioinspired photoresponsive molecules. <i>Nanoscale</i> , 2018, 10, 11302-11306.	5.6	11
26	Serum NMR metabolomics to differentiate haematologic malignancies. <i>Oncotarget</i> , 2018, 9, 24414-24427.	1.8	8
27	Metabolic profiles of exudates from chronic leg ulcerations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 13-22.	2.8	15
28	Probing the binding mechanism of photoresponsive azobenzene polyamine derivatives with human serum albumin. <i>RSC Advances</i> , 2017, 7, 5912-5919.	3.6	7
29	Metabolomics analysis of fungal biofilm development and of arachidonic acid-based quorum sensing mechanism. <i>Journal of Basic Microbiology</i> , 2017, 57, 428-439.	3.3	5
30	Effective control of the intrinsic DNA morphology by photosensitive polyamines. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1028-1038.	5.8	13
31	Linear and Third-Order Nonlinear Optical Properties of Triazobenzene-1,3,5-triazinane-2,4-trione (Isocyanurate) Derivatives. <i>ChemPlusChem</i> , 2017, 82, 1372-1383.	2.8	13
32	Serum and urine 1H NMR-based metabolomics in the diagnosis of selected thyroid diseases. <i>Scientific Reports</i> , 2017, 7, 9108.	3.3	43
33	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
34	Biodiversity in targeted metabolomics analysis of filamentous fungal pathogens by 1H NMR-based studies. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 132.	3.6	17
35	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
36	The influence of different diets on metabolism and atherosclerosis processes – A porcine model: Blood serum, urine and tissues 1H NMR metabolomics targeted analysis. <i>PLoS ONE</i> , 2017, 12, e0184798.	2.5	15

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37	Metabolomics of Human Amniotic Fluid and Maternal Plasma during Normal Pregnancy. PLoS ONE, 2016, 11, e0152740.	2.5	77
38	Limited prolonged effects of rifaximin treatment on irritable bowel syndrome-related differences in the fecal microbiome and metabolome. Gut Microbes, 2016, 7, 397-413.	9.8	68
39	Metabolomics of chronic obstructive pulmonary disease and obstructive sleep apnea syndrome: response to Maniscalco and Motta. Metabolomics, 2016, 12, 33.	3.0	1
40	Application of <sup>1</sup> H NMR-based serum metabolomic studies for monitoring female patients with rheumatoid arthritis. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 544-550.	2.8	50
41	<sup>1</sup> H NMR-based metabolic profiling for evaluating poppy seed rancidity and brewing. Cellular and Molecular Biology Letters, 2015, 20, 757-72.	7.0	3
42	Activity of fluconazole and its Cu(II) complex towards Candida species. Medicinal Chemistry Research, 2015, 24, 2005-2010.	2.4	10
43	Interactions of N-heteroalkylaminomethylenebisphosphonic acids with Cd(II) ions: Electrochemical and spectroscopic investigations. Inorganica Chimica Acta, 2015, 435, 82-93.	2.4	8
44	Reaction of benzolactams with triethyl phosphite prompted by phosphoryl chloride affords benzoannulated monophosphonates instead of expected bisphosphonates. Journal of Organometallic Chemistry, 2015, 785, 84-91.	1.8	6
45	Fusion of the <sup>1</sup> H NMR data of serum, urine and exhaled breath condensate in order to discriminate chronic obstructive pulmonary disease and obstructive sleep apnea syndrome. Metabolomics, 2015, 11, 1563-1574.	3.0	36
46	HIF1-Alpha and MYC Transcription Factor Signatures in B-Cell Acute Lymphoblastic Leukemia Are Associated with Positive Minimal Residual Disease Status: Therapeutic Implications. Blood, 2015, 126, 1436-1436.	1.4	0
47	Synthesis of fluorescent (benzyloxycarbonylamino)(aryl)methylphosphonates. Beilstein Journal of Organic Chemistry, 2014, 10, 741-745.	2.2	8
48	Serum and urine metabolomic fingerprinting in diagnostics of inflammatory bowel diseases. World Journal of Gastroenterology, 2014, 20, 163.	3.3	148
49	Rapid determination of ibotenic acid and muscimol in human urine. Magnetic Resonance in Chemistry, 2014, 52, 711-714.	1.9	5
50	Metabolomics provide new insights on lung cancer staging and discrimination from chronic obstructive pulmonary disease. Journal of Pharmaceutical and Biomedical Analysis, 2014, 100, 369-380.	2.8	85
51	Do Differences in Chemical Composition of Stem and Cap of Amanita muscaria Fruiting Bodies Correlate with Topsoil Type?. PLoS ONE, 2014, 9, e104084.	2.5	13
52	Using Metabolomics to Monitor Kidney Transplantation Patients by Means of Clustering to Spot Anomalous Patient Behavior. Transplantation Proceedings, 2013, 45, 1511-1515.	0.6	11
53	Potentiometric and NMR complexation studies of phenylboronic acid PBA and its aminophosphonate analog with selected catecholamines. Journal of Molecular Structure, 2013, 1040, 59-64.	3.6	8
54	<sup>1</sup> H NMR-based metabolomics studies of urine reveal differences between type 1 diabetic patients with high and low HbA <sub>1c</sub> values. Journal of Pharmaceutical and Biomedical Analysis, 2013, 83, 43-48.	2.8	31

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55	Follicular Adenomas Exhibit a Unique Metabolic Profile. 1H NMR Studies of Thyroid Lesions. PLoS ONE, 2013, 8, e84637.	2.5	58
56	Differences in metabolic profiles of planktonic and biofilm cells in Staphylococcus aureus - (1)H Nuclear Magnetic Resonance search for candidate biomarkers. Acta Biochimica Polonica, 2013, 60, 701-6.	0.5	12
57	The Cu(II)-fluconazole complex revisited. Part I: Structural characteristics of the system. Journal of Inorganic Biochemistry, 2012, 106, 23-31.	3.5	12
58	Bis{phenyl[di(methoxyethoxy)phosphoryl]methyl}amine as a new ligand for metal ions and cationic organic molecules. Journal of Molecular Structure, 2011, 991, 18-23.	3.6	2
59	Preparation of a novel group of hybrid compounds N-benzyl aminoboronbenzylphosphonic and N,N'-ethylenedi(aminoboronbenzylphosphonic) acids. Journal of Organometallic Chemistry, 2011, 696, 457-460.	1.8	13
60	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. Polyhedron, 2011, 30, 9-15.	2.2	5
61	Unusual Coordination Behaviour of a Phosphonate- and Pyridine-Containing Ligand in a Stable Lanthanide Complex. European Journal of Inorganic Chemistry, 2010, 2010, 1696-1702.	2.0	14
62	Long range phosphorus- <sup>13</sup> C phosphorus coupling constants in bis(phosphorylhydroxymethyl)benzene derivatives. Tetrahedron Letters, 2010, 51, 3406-3411.	1.4	12
63	The Aza- $\beta$ -aminophosphonate Macrocyclic Phosphorus, Sulfur and Silicon and the Related Elements, 2009, 184, 1496-1501.	1.6	2
64	N,N'-Ethylenediaminobis(benzylphosphonic acids) as a potent class of chelators for metal ions. Inorganica Chimica Acta, 2009, 362, 707-713.	2.4	10
65	Unexpected formation of hydroxyborazaphosphonic acid in the reaction of (N-benzyl)benzylideneimine-2-boronic acid with diethyl phosphite. Tetrahedron Letters, 2009, 50, 132-134.	1.4	9
66	Synthesis of phosphonate derivatives of 2,3-dihydroindene. Tetrahedron Letters, 2009, 50, 7314-7317.	1.4	12
67	1,4-Phenylene-di(N-l-alanylaminomethylphosphonate) a new diamino phosphonate peptide receptor for lysine and arginine. Journal of Molecular Structure, 2008, 873, 173-180.	3.6	11
68	Tetra-2-methoxyethyl phenylene-1,4-di(benzyloaminomethanephosphonate) a new ligand for metal ions and amino acids. Electrospray ionization mass spectrometric and NMR studies. Journal of Molecular Structure, 2008, 875, 130-134.	3.6	4
69	Organophosphorus Supramolecular Chemistry. Part 2. Organophosphorus Receptors. Current Organic Chemistry, 2007, 11, 1593-1609.	1.6	12
70	$\alpha$ -Twin-phosphorous atoms of tetraethyl 2-methylpiperidylmethylenebisphosphonates. Heteroatom Chemistry, 2007, 18, 774-781.	0.7	4
71	Phosphorus NMR as a tool to study mineralization of organophosphonates-The ability of Spirulina spp. to degrade glyphosate. Enzyme and Microbial Technology, 2007, 41, 286-291.	3.2	55
72	Coordination abilities of difunctional, diamino phosphonic acid and its dipeptides towards Cu(II) ions. Polyhedron, 2007, 26, 4287-4293.	2.2	12

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73	Coordination diversity of N-phosphoryl-N <sup>2</sup> -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
74	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
75	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
76	Effects of divalent metal ions on the $\beta$ -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
77	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
78	CuII 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
79	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
80	Impact of the peptide sequence on the coordination abilities of albumin-like tripeptides towards Cu <sup>2+</sup> , Ni <sup>2+</sup> and Zn <sup>2+</sup> ions. Potential albumin-like peptide chelators. Electronic supplementary information (ESI) available: Tables S1-S3 and Fig. S1-S4 described in the text. See <a href="http://www.rsc.org/suppdata/nj/b1/b107412c/">http://www.rsc.org/suppdata/nj/b1/b107412c/</a> . <i>New Journal of Chemistry</i> , 2002, 26, 264-268.	2.8	47
81	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
82	Coordination abilities of amino-phosphonate derivatives of pyridine. <i>Inorganica Chimica Acta</i> , 2001, 322, 157-161.	2.4	29
83	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
84	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
85	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