

# Lukasz Popenda

## List of Publications by Year in descending order

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49  
papers

771  
citations

471371

17  
h-index

580701

25  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new low-cost polymeric adsorbents with polyamine chelating groups for efficient removal of heavy metal ions from water solutions. <i>Reactive and Functional Polymers</i> , 2018, 131, 64-74.	2.0	77
2	Dendrimeric Sulfanyl Porphyrazines: Synthesis, Physico-Chemical Characterization, and Biological Activity for Potential Applications in Photodynamic Therapy. <i>ChemPlusChem</i> , 2016, 81, 460-470.	1.3	34
3	Protoberberine compounds extracted from <i>Chelidonium majus</i> L. as novel natural photosensitizers for cancer therapy. <i>Phytomedicine</i> , 2019, 64, 152919.	2.3	32
4	Chiral, triformylphenol-derived salen-type [4 + 6] organic cages. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7495-7499.	1.5	31
5	Computational and NMR studies of RNA duplexes with an internal pseudouridine-adenosine base pair. <i>Scientific Reports</i> , 2019, 9, 16278.	1.6	30
6	Communication: Synperiplanar to antiperiplanar conformation changes as underlying the mechanism of Debye process in supercooled ibuprofen. <i>Journal of Chemical Physics</i> , 2013, 139, 111103.	1.2	28
7	Phthalocyanines with bulky substituents at non-peripheral positions – Synthesis and physico-chemical properties. <i>Dyes and Pigments</i> , 2016, 127, 110-115.	2.0	28
8	An enhanced electrochemical nanohybrid sensing platform consisting of reduced graphene oxide and sulfanyl metalloporphyrazines for sensitive determination of hydrogen peroxide and L-cysteine. <i>Dyes and Pigments</i> , 2017, 138, 190-203.	2.0	28
9	Porphyrazines with peripheral isophthaloxalkylsulfanyl substituents and their optical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 307-308, 54-67.	2.0	27
10	The influence of fluorine position on the properties of fluorobenzoxaboroles. <i>Bioorganic Chemistry</i> , 2015, 60, 130-135.	2.0	25
11	Bulged Adenosine Influence on the RNA Duplex Conformation in Solution. <i>Biochemistry</i> , 2008, 47, 5059-5067.	1.2	24
12	Structural characterization of a dimer of RNA duplexes composed of 8-bromoguanosine modified CGG trinucleotide repeats: a novel architecture of RNA quadruplexes. <i>Nucleic Acids Research</i> , 2016, 44, 2409-2416.	6.5	22
13	UV cross-linked polyvinylpyrrolidone electrospun fibres as antibacterial surfaces. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 979-991.	2.8	22
14	Improved electrocatalytic response toward hydrogen peroxide reduction of sulfanyl porphyrazine/multiwalled carbon nanotube hybrids deposited on glassy carbon electrodes. <i>Dyes and Pigments</i> , 2016, 134, 569-579.	2.0	21
15	Photophysical properties and photocytotoxicity of free and liposome-entrapped diazepinoporphyrazines on LNCaP cells under normoxic and hypoxic conditions. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 64-73.	2.6	21
16	Electrochemical properties of metallated porphyrazines possessing isophthaloxybutylsulfanyl substituents: Application in the electrocatalytic oxidation of hydrazine. <i>Electrochimica Acta</i> , 2015, 168, 216-224.	2.6	20
17	Variants of the 5'-terminal region of p53 mRNA influence the ribosomal scanning and translation efficiency. <i>Scientific Reports</i> , 2018, 8, 1533.	1.6	20
18	Signals of diagnostic ions in the product ion spectra of $[M + H]^+$ ions of methoxylated flavonoids. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 125-132.	0.7	19

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19	Fluoro-substituted 2-formylphenylboronic acids: Structures, properties and tautomeric equilibria. <i>Journal of Fluorine Chemistry</i> , 2016, 187, 1-8.	0.9	18
20	Alternative Mechanisms of Betacyanin Oxidation by Complexation and Radical Generation. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7455-7465.	2.4	18
21	The effect of hydrogen bonding propensity and enantiomeric composition on the dynamics of supercooled ketoprofen $\hat{\epsilon}$ dielectric, rheological and NMR studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10585-10593.	1.3	16
22	Influence of fluorine substituents on the NMR properties of phenylboronic acids. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 202-213.	1.1	15
23	Polyaminooligonucleotide: NMR structure of duplex DNA containing a nucleoside with spermine residue, N-[4,9,13-triazatridecan-1-yl]-2 $\hat{\epsilon}$ -deoxycytidine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1163-1170.	1.1	13
24	Multiwalled carbon nanotube/sulfanyl porphyrazine hybrids deposited on glassy carbon electrode $\hat{\epsilon}$ effect of nitro peripheral groups on electrochemical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 295-301.	0.4	13
25	The influence of anchoring group position in ruthenium dye molecule on performance of dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2018, 150, 335-346.	2.0	12
26	Single-walled carbon nanotube/sulfanyl porphyrazine hybrids deposited on glassy carbon electrode for sensitive determination of nitrites. <i>Dyes and Pigments</i> , 2019, 171, 107660.	2.0	12
27	Tribenzoporphyrazines with dendrimeric peripheral substituents and their promising photocytotoxic activity against <i>Staphylococcus aureus</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 204, 111803.	1.7	12
28	First example of a diazepinoporphyrazine with dendrimeric substituents. <i>Tetrahedron Letters</i> , 2017, 58, 758-761.	0.7	11
29	S-seco-porphyrazine as a new member of the seco-porphyrazine family $\hat{\epsilon}$ Synthesis, characterization and photocytotoxicity against cancer cells. <i>Bioorganic Chemistry</i> , 2020, 96, 103634.	2.0	11
30	Synthesis and singlet oxygen generation of pyrazinoporphyrazines containing dendrimeric aryl substituents. <i>New Journal of Chemistry</i> , 2017, 41, 3586-3594.	1.4	10
31	General Conception of the Virtual Laboratory. <i>Lecture Notes in Computer Science</i> , 2004, , 1013-1016.	1.0	9
32	Dehydrogenation of Betacyanins in Heated Betalain-Rich Extracts of Red Beet ( <i>Beta vulgaris</i> L.). <i>International Journal of Molecular Sciences</i> , 2022, 23, 1245.	1.8	9
33	Structural Model of the Bilirubin Transmembrane Domain Supported by NMR and FRET Data. <i>PLoS ONE</i> , 2015, 10, e0135455.	1.1	8
34	Synthesis, characterization and photophysical properties of novel 5,7-disubstituted-1,4-diazepine-2,3-dicarbonitriles. <i>Journal of Molecular Structure</i> , 2016, 1110, 208-214.	1.8	8
35	Structures and properties of trifluoromethylphenylboronic acids. <i>Journal of Molecular Structure</i> , 2019, 1180, 237-243.	1.8	8
36	Structure and dynamics of adenosine bulged RNA duplex reveals formation of the dinucleotide platform in the C:G-A triple. <i>Arkivoc</i> , 2009, 2009, 130-144.	0.3	7

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37	Emerging Anticancer Activity of Candidal Glucoseamine-6-Phosphate Synthase Inhibitors upon Nanoparticle-Mediated Delivery. <i>Langmuir</i> , 2019, 35, 5281-5293.	1.6	6
38	Synthesis of sulfanyl porphyrazines with bulky peripheral substituents – Evaluation of their photochemical properties and biological activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 405, 112964.	2.0	6
39	Effect of Protoberberine-Rich Fraction of <i>Chelidonium majus</i> L. on Endometriosis Regression. <i>Pharmaceutics</i> , 2021, 13, 931.	2.0	6
40	Synthesis and NMR and mass spectrometric study of ammonioacetohydrazones of formylphenylboronic acids as novel ionic prospective sugar receptors. <i>New Journal of Chemistry</i> , 2015, 39, 4695-4707.	1.4	5
41	Identification of a biliverdin geometric isomer by means of HPLC/ESI-MS and NMR spectroscopy. Differentiation of the isomers by using fragmentation –in-source. <i>Monatshefte für Chemie</i> , 2018, 149, 995-1002.	0.9	5
42	Synthesis of G0 aminopolyol and aminosugar dendrimers, controlled by NMR and MALDI TOF mass spectrometry. <i>Designed Monomers and Polymers</i> , 2017, 20, 144-156.	0.7	4
43	Structural Study on Hypochlorous Acid-Mediated Chlorination of Betanin and Its Decarboxylated Derivatives from an Anti-Inflammatory <i>Beta vulgaris</i> L. Extract. <i>Molecules</i> , 2020, 25, 378.	1.7	4
44	The Responses of Bioactive Betanin Pigment and Its Derivatives from a Red Beetroot ( <i>Beta vulgaris</i> L.) Betalain-Rich Extract to Hypochlorous Acid. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1155.	1.8	4
45	Magnesium porphyrazine with peripheral methyl (3,5-dibromophenylmethyl)amino groups – synthesis and optical properties. <i>Heterocyclic Communications</i> , 2019, 25, 1-7.	0.6	3
46	Identification of Novel Low-Weight Sulfhydryl Conjugates of Oxidized 5-O- and 6-O-Substituted Betanidin Pigments. <i>ACS Omega</i> , 2020, 5, 14955-14967.	1.6	3
47	Structural studies on the stereoisomerism of a natural dye miraxanthin I. <i>New Journal of Chemistry</i> , 2019, 43, 18165-18174.	1.4	2
48	A Synergistic Effect of Phthalimide-Substituted Sulfanyl Porphyrazines and Carbon Nanotubes to Improve the Electrocatalytic Detection of Hydrogen Peroxide. <i>Molecules</i> , 2022, 27, 4409.	1.7	2
49	Tetrapyrizinoporphyrazine with eight peripheral adamantanylsulfanyl units – Synthesis and physicochemical study. <i>Synthetic Metals</i> , 2018, 244, 66-72.	2.1	1