

Mariusz Belka

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

709
citations

567281

15
h-index

610901

24
g-index

51
all docs

51
docs citations

51
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Response to: "Letter to the Editor, International Urology and Nephrology: Retrograde urethrography, sonourethrography and magnetic resonance urethrography in evaluation of male urethral strictures: should the novel methods become the new standard in radiological diagnosis of urethral stricture disease?". International Urology and Nephrology, 2022, 54, 813-814.	1.4	0
2	Plausible Role of Estrogens in Pathogenesis, Progression and Therapy of Lung Cancer. International Journal of Environmental Research and Public Health, 2021, 18, 648.	2.6	24
3	Synthesis of Novel Pyrido[1,2-c]pyrimidine Derivatives with 6-Fluoro-3-(4-piperidynyl)-1,2-benzisoxazole Moiety as Potential SSRI and 5-HT1A Receptor Ligands. International Journal of Molecular Sciences, 2021, 22, 2329.	4.1	8
4	Additive manufacturing and related technologies "The source of chemically active materials in separation science. TrAC - Trends in Analytical Chemistry, 2021, 142, 116322.	11.4	12
5	Retrograde urethrography, sonourethrography and magnetic resonance urethrography in evaluation of male urethral strictures. Should the novel methods become the new standard in radiological diagnosis of urethral stricture disease?. International Urology and Nephrology, 2021, 53, 2423-2435.	1.4	7
6	Biopartitioning micellar electrokinetic chromatography "Concept study of cationic analytes. Microchemical Journal, 2020, 154, 104518.	4.5	10
7	Understanding performance of 3D-printed sorbent in study of metabolic stability. Journal of Chromatography A, 2020, 1629, 461501.	3.7	8
8	The influence of phase II enzymes on in vitro half-life of pyrido[1,2-c]pyrimidine derivatives as structural analogues of arylpiperazine. Microchemical Journal, 2020, 159, 105550.	4.5	0
9	Assessment of blood-brain barrier permeability using micellar electrokinetic chromatography and P_VSA-like descriptors. Microchemical Journal, 2020, 158, 105236.	4.5	8
10	Drug affinity to human serum albumin prediction by retention of cetyltrimethylammonium bromide pseudostationary phase in micellar electrokinetic chromatography and chemically advanced template search descriptors. Journal of Pharmaceutical and Biomedical Analysis, 2020, 188, 113423.	2.8	11
11	In Vitro approach for identification of a leading cytochrome P450 isoenzyme responsible for biotransformation of novel arylpiperazine drug candidates and their inhibition potency towards CYP3A4.. Acta Poloniae Pharmaceutica, 2020, 77, 69-76.	0.1	1
12	Synthesis of new 5,6,7,8-tetrahydropyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT1A receptor ligands. European Journal of Medicinal Chemistry, 2019, 180, 383-397.	5.5	11
13	Synthesis and biological evaluation of new multi-target 3-(1H-indol-3-yl)pyrrolidine-2,5-dione derivatives with potential antidepressant effect. European Journal of Medicinal Chemistry, 2019, 183, 111736.	5.5	21
14	Synthesis of novel pyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT1A receptor ligands. European Journal of Medicinal Chemistry, 2019, 166, 144-158.	5.5	14
15	Application of 3D-printed scabbard-like sorbent for sample preparation in bioanalysis expanded to 96-wellplate high-throughput format. Analytica Chimica Acta, 2019, 1081, 1-5.	5.4	28
16	A new dilution-enrichment sample preparation strategy for expanded metabolome monitoring of human breast milk that overcomes the simultaneous presence of low- and high-abundance lipid species. Food Chemistry, 2019, 288, 154-161.	8.2	22
17	Molecular Docking Supplements an In vitro Determination of the Leading CYP Isoform for Arylpiperazine Derivatives. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 370-378.	1.1	2
18	Characterization of antimicrobial and hemolytic properties of short synthetic cationic lipopeptides based on QSAR/QSTR approach. Amino Acids, 2018, 50, 479-485.	2.7	16

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19	New 3D-printed sorbent for extraction of steroids from human plasma preceding LC-MS analysis. <i>Journal of Chromatography A</i> , 2018, 1545, 1-11.	3.7	38
20	The comparative study of micellar TLC and RP-TLC as potential tools for lipophilicity assessment based on QSRR approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 70-79.	2.8	25
21	Target-based drug discovery through inversion of quantitative structure-drug-property relationships and molecular simulation: CA IX-sulphonamide complexes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1430-1443.	5.2	14
22	Synthesis, Molecular Structure, Anticancer Activity, and QSAR Study of N-(aryl/heteroaryl)-4-(1H-pyrrol-1-yl)benzenesulfonamide Derivatives. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1482.	4.1	7
23	Synthesis of 2-alkylthio-N-(quinazolin-2-yl)benzenesulfonamide derivatives: anticancer activity, QSAR studies, and metabolic stability. <i>Monatshefte für Chemie</i> , 2018, 149, 1885-1898.	1.8	5
24	Synthesis, QSAR studies, and metabolic stability of novel 2-alkylthio-4-chloro-N-(5-oxo-4,5-dihydro-1,2,4-triazin-3-yl)benzenesulfonamide derivatives as potential anticancer and apoptosis-inducing agents. <i>Chemical Biology and Drug Design</i> , 2017, 90, 380-396.		
25	Combined computational-experimental approach to predict blood-brain barrier (BBB) permeation based on "green" salting-out thin layer chromatography supported by simple molecular descriptors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 214-221.	2.8	25
26	Fused Deposition Modeling Enables the Low-Cost Fabrication of Porous, Customized-Shape Sorbents for Small-Molecule Extraction. <i>Analytical Chemistry</i> , 2017, 89, 4373-4376.	6.5	55
27	Novel 2-benzylthio-5-(1,3,4-oxadiazol-2-yl)benzenesulfonamides with anticancer activity: Synthesis, QSAR study, and metabolic stability. <i>European Journal of Medicinal Chemistry</i> , 2017, 132, 236-248.	5.5	50
28	1-(Imidazolidin-2-yl)imino]indoles as new hypotensive agents: synthesis and <i>in vitro</i> and <i>in vivo</i> biological studies. <i>Chemical Biology and Drug Design</i> , 2017, 89, 400-410.	3.2	7
29	QSRR Evaluation of the New Anticancer Sulfonamides in View of the cis-trans Isomerism. <i>Current Pharmaceutical Analysis</i> , 2017, 14, .	0.6	1
30	Novel 5-Substituted 2-(Arylmethylthio)-4-chloro-N-(5-aryl-1,2,4-triazin-3-yl)benzenesulfonamides: Synthesis, Molecular Structure, Anticancer Activity, Apoptosis-Inducing Activity and Metabolic Stability. <i>Molecules</i> , 2016, 21, 808.	3.8	16
31	Comparison of MLR, OPLS, and SVM as potent chemometric techniques used to estimate <i>in vitro</i> metabolic stability. <i>Journal of Chemometrics</i> , 2016, 30, 177-181.	1.3	7
32	Synthesis and biological investigation of new equatorial (¹) stereoisomers of 3-aminotropane arylamides with atypical antipsychotic profile. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3994-4007.	3.0	8
33	Untargeted Lipidomics Reveals Differences in the Lipid Pattern among Clinical Isolates of <i>Staphylococcus aureus</i> Resistant and Sensitive to Antibiotics. <i>Journal of Proteome Research</i> , 2016, 15, 914-922.	3.7	49
34	LC-MS measurement of free steroids in mussels (<i>Mytilus trossulus</i>) from the southern Baltic Sea. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 311-315.	2.8	18
35	Synthesis and QSAR Study of Novel 6-Chloro-3-(2-Arylmethylene-1-methylhydrazino)-1,4,2-benzodithiazine 1,1-Dioxide Derivatives with Anticancer Activity. <i>Molecules</i> , 2015, 20, 5754-5770.	3.8	8
36	Synthesis, Molecular Structure, Metabolic Stability and QSAR Studies of a Novel Series of Anticancer N-Acylbenzenesulfonamides. <i>Molecules</i> , 2015, 20, 19101-19129.	3.8	13

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37	Novel 4-aryl-pyrido[1,2-c]pyrimidines with dual SSRI and 5-HT1A activity. Part 5. European Journal of Medicinal Chemistry, 2015, 98, 221-236.	5.5	16
38	Novel 4-aryl-pyrido[1,2-c]pyrimidines with dual SSRI and 5-HT1A activity. Part 4. European Journal of Medicinal Chemistry, 2015, 90, 21-32.	5.5	15
39	Prediction of Overall In Vitro Microsomal Stability of Drug Candidates Based on Molecular Modeling and Support Vector Machines. Case Study of Novel Arylpiperazines Derivatives. PLoS ONE, 2015, 10, e0122772.	2.5	21
40	The Metabolism of Anticancer Drugs by the Liver: Current Approaches to the Drug Development Process. Current Drug Metabolism, 2015, 16, 506-521.	1.2	2
41	Comprehensive methodology for Staphylococcus aureus lipidomics by liquid chromatography and quadrupole time-of-flight mass spectrometry. Journal of Chromatography A, 2014, 1362, 62-74.	3.7	35
42	Mass Spectrometry Based Identification of Geometric Isomers during Metabolic Stability Study of a New Cytotoxic Sulfonamide Derivatives Supported by Quantitative Structure-Retention Relationships. PLoS ONE, 2014, 9, e98096.	2.5	4
43	Steroid profiles as potential biomarkers in patients with urogenital tract cancer for diagnostic investigations analyzed by liquid chromatography coupled to mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2013, 73, 108-115.	2.8	15
44	The advances of electromigration techniques applied for alkaloid analysis. Biomedical Chromatography, 2013, 27, 1312-1338.	1.7	5
45	The Osteopontin Tissue Level as a Breast Cancer Biomarker in Females After Mastectomy Measured by the Capillary Gel Electrophoresis Technique. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 331-338.	1.1	5
46	Advanced Assessment of the Endogenous Hormone Level as a Potential Biomarker of the Urogenital Tract Cancer. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 463-472.	1.1	1
47	Antitumor Activity of Novel Benzensulfonamide Derivatives in View of their Physicochemical Properties Searched by Principal Component Analysis. Medicinal Chemistry, 2013, 9, 517-525.	1.5	4
48	Molecular Modeling Descriptors and Analytical Chemistry Data of Antihistaminic Drugs. Journal of AOAC INTERNATIONAL, 2012, 95, 713-723.	1.5	1
49	Topotecan exposure estimation in pediatric acute myeloid leukemia supported by LC-MS-based drug monitoring and pharmacokinetic analysis. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 330-336.	2.8	10
50	Determination of lipophilicity for antitumor acridinone derivatives supported by gradient high-performance liquid chromatography method. Open Chemistry, 2012, 10, 216-223.	1.9	10
51	The Chemometric Evaluation of Antitumor Activity of Novel Benzensulfonamide Derivatives Based on their Physicochemical Properties. Letters in Drug Design and Discovery, 2012, 9, 288-294.	0.7	5