Adam BuciÅ„ski

List of Publications by Year
in descending order

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76 papers	1,637 citations	304743 22 h-index	330143 37 g-index
76 all docs	76 docs citations	76 times ranked	2056 citing authors

#	Article	IF	Citations
1	Quercetin from Shallots (Allium cepa L. var.aggregatum) Is More Bioavailable Than Its Glucosides , ,3. Journal of Nutrition, 2008, 138, 885-888.	2.9	141
2	Hydrophobicity parameter from high-performance liquid chromatography on an immobilized artificial membrane column and its relationship to bioactivity. Journal of Chromatography A, 1995, 692, 83-89.	3.7	87
3	Quantitative structureâ€"retention relationships models for prediction of high performance liquid chromatography retention time of small molecules: Endogenous metabolites and banned compounds. Analytica Chimica Acta, 2013, 797, 13-19.	5.4	86
4	Chromatographic hydrophobicity parameter determined on an immobilized artificial membrane column: relationships to standard measures of hydrophobicity and bioactivity. European Journal of Medicinal Chemistry, 1994, 29, 163-170.	5.5	73
5	Prediction of gradient retention from the linear solvent strength (LSS) model, quantitative structure-retention relationships (QSRR), and artificial neural networks (ANN). Journal of Separation Science, 2003, 26, 271-282.	2.5	71
6	Artificial Neural Network Analysis for Evaluation of Peptide MS/MS Spectra in Proteomics. Analytical Chemistry, 2004, 76, 1726-1732.	6.5	62
7	Polish validation of the TEMPS-A: The profile of affective temperaments in a college student population. Journal of Affective Disorders, 2010, 123, 36-41.	4.1	61
8	Comparative analysis of different groups of phenolic compounds in fruit and leaf extracts of Aronia sp.: A. melanocarpa, A. arbutifolia, and A. Ã—prunifolia and their antioxidant activities. European Food Research and Technology, 2017, 243, 1645-1657.	3.3	55
9	Prediction of pharmacological classification by means of chromatographic parameters processed by principal component analysis. International Journal of Pharmaceutics, 1997, 159, 43-55.	5.2	47
10	Isolation and structure elucidation of phenolic compounds from Cyclopia subternata Vogel (honeybush) intact plant and in vitro cultures. Food Chemistry, 2012, 133, 1373-1382.	8.2	45
11	Isolation of xanthone and benzophenone derivatives from Cyclopia genistoides (L.) Vent. (honeybush) and their pro-apoptotic activity on synoviocytes from patients with rheumatoid arthritis. FÃ¬toterapÃ¬Ã¢, 2013, 90, 199-208.	2.2	43
12	Accumulation of dibenzocyclooctadiene lignans in agar cultures and in stationary and agitated liquid cultures of Schisandra chinensis (Turcz.) Baill. Applied Microbiology and Biotechnology, 2016, 100, 3965-3977.	3.6	41
13	Determination of Rare Earth Elements in Human Sperm and Association with Semen Quality. Archives of Environmental Contamination and Toxicology, 2015, 69, 191-201.	4.1	39
14	Artificial neural networks for prediction of antioxidant capacity of cruciferous sprouts. Trends in Food Science and Technology, 2004, 15, 161-169.	15.1	32
15	Light and temperature conditions affect bioflavonoid accumulation in callus cultures of Cyclopia subternata Vogel (honeybush). Plant Cell, Tissue and Organ Culture, 2014, 118, 589-593.	2.3	29
16	Bioreactor shoot cultures of Rhododendron tomentosum (Ledum palustre) for a large-scale production of bioactive volatile compounds. Plant Cell, Tissue and Organ Culture, 2017, 131, 51-64.	2.3	29
17	Quantitative relationships between the structure of Î²-adrenolytic and antihistamine drugs and their retention on an Î±1-acid glycoprotein HPLC column. Biomedical Chromatography, 1994, 8, 125-129.	1.7	28
18	Xanthone, benzophenone and bioflavonoid accumulation in Cyclopia genistoides (L.) Vent. (honeybush) shoot cultures grown on membrane rafts and in a temporary immersion system. Plant Cell, Tissue and Organ Culture, 2015, 120, 373-378.	2.3	26

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19	Impact of smoking on multiple primary cancers survival: a retrospective analysis. Clinical and Experimental Medicine, 2018, 18, 391-397.	3.6	26
20	Artificial neural networks in prediction of antifungal activity of a series of pyridine derivatives against Candida albicans. Journal of Microbiological Methods, 2009, 76, 25-29.	1.6	25
21	A protein-coated magnetic beads as a tool for the rapid drug-protein binding study. Journal of Pharmaceutical and Biomedical Analysis, 2010, 52, 420-424.	2.8	24
22	An application of QSRR approach and multiple linear regression method for lipophilicity assessment of flavonoids. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 681-689.	2.8	24
23	Human Sperm Characteristics with Regard to Cobalt, Chromium, and Lead in Semen and Activity of Catalase in Seminal Plasma. Biological Trace Element Research, 2019, 188, 251-260.	3.5	23
24	Coping Styles and Alcohol Dependence among Homeless People. PLoS ONE, 2016, 11, e0162381.	2.5	22
25	Phenolic Composition and Biological Properties of Wild and Commercial Dog Rose Fruits and Leaves. Molecules, 2020, 25, 5272.	3.8	22
26	Clinical data analysis using artificial neural networks (ANN) and principal component analysis (PCA) of patients with breast cancer after mastectomy. Reports of Practical Oncology and Radiotherapy, 2007, 12, 9-17.	0.6	21
27	Magnetic beads method for determination of binding of drugs to melanin. Journal of Chromatography A, 2011, 1218, 229-236.	3.7	20
28	Isoflavone production in Cyclopia subternata Vogel (honeybush) suspension cultures grown in shake flasks and stirred-tank bioreactor. Applied Microbiology and Biotechnology, 2013, 97, 8467-8477.	3.6	20
29	Does Toxoplasma gondii infection affect cognitive function? A case control study. Folia Parasitologica, 2012, 59, 93-98.	1.3	20
30	Artificial neural networks analysis used to evaluate the molecular interactions between selected drugs and human Î±1-acid glycoprotein. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 591-596.	2.8	19
31	Toxoplasma gondii infection affects cognitive function - corrigendum. Folia Parasitologica, 2012, 59, 253-254.	1.3	17
32	Short-term outcome of attention and executive functions from aorta no-touch and traditional off-pump coronary artery bypass surgery. World Journal of Biological Psychiatry, 2014, 15, 397-403.	2.6	16
33	Modeling the tryptic hydrolysis of pea proteins using an artificial neural network. LWT - Food Science and Technology, 2008, 41, 942-945.	5.2	13
34	Factor analysis of microbiological activity data and structural parameters of antibacterial quinolones. Journal of Molecular Modeling, 2010, 16, 327-335.	1.8	13
35	Artificial neural networks approach to early lung cancer detection. Open Medicine (Poland), 2014, 9, 632-641.	1.3	13
36	Validated HPTLC method for determination of ledol and alloaromadendrene in the essential oil fractions of Rhododendron tomentosum plants and in vitro cultures and bioautography for their activity screening. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1086, 63-72.	2.3	13

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37	Pharmacological Classification of Drugs Based on Neural Network Processing of Molecular Modeling Data. Combinatorial Chemistry and High Throughput Screening, 2000, 3, 525-533.	1.1	13
38	In vitro Cultures of Cyclopia Plants (Honeybush) as a Source of Bioactive Xanthones and Flavanones. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2009, 64, 533-540.	1.4	12
39	Affective temperament and executive functions in emergency medicine professionals. Journal of Affective Disorders, 2014, 168, 192-196.	4.1	12
40	In Vitro Propagation of Rhododendron tomentosum â€“ an Endangered Essential Oil Bearing Plant from Peatland. Acta Biologica Cracoviensia Series Botanica, 2016, 58, 29-43.	0.5	12
41	Are the Levels of Lipid Parameters Associated with Biometeorological Conditions?. International Journal of Environmental Research and Public Health, 2019, 16, 4636.	2.6	12
42	Prediction of the antimicrobial activity of quaternary ammonium salts against Staphylococcus aureus using artificial neural networks. Arabian Journal of Chemistry, 2021, 14, 103233.	4.9	12
43	Cytokines and chemokines multiplex analysis in patients with low disease activity rheumatoid arthritis. Rheumatology International, 2022, 42, 609-619.	3.0	12
44	A New Approach to Determine Camptothecin and Its Analogues Affinity to Human Serum Albumin. Journal of Pharmaceutical Sciences, 2011, 100, 1142-1146.	3.3	11
45	Production of essential oils from in vitro cultures of Caryopteris species and comparison of their concentrations with in vivo plants. Acta Physiologiae Plantarum, 2015, 37, 1.	2.1	11
46	In vitro release of theophylline from starch-based matrices prepared via high hydrostatic pressure treatment and autoclaving. Carbohydrate Polymers, 2015, 117, 25-33.	10.2	11
47	Application of HPTLC and LC-MS Methods for Determination of Topiramate in Pharmaceutical Formulations. Current Pharmaceutical Analysis, 2012, 8, 44-48.	0.6	10
48	Prediction of semen quality using artificial neural network. Journal of Applied Biomedicine, 2019, 17, 167-174.	1.7	10
49	Micropropagation of Cyclopia genistoides, an Endemic South African Plant of Economic Importance. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2012, 67, 65-76.	1.4	9
50	Prediction of antimicrobial activity of imidazole derivatives by artificial neural networks. Open Medicine (Poland), 2013, 8, 1-15.	1.3	9
51	The incidence of pulmonary tuberculosis among the homeless in north-eastern Poland. Open Medicine (Poland), 2013, 8, 283-285.	1.3	9
52	Chemical variability of Rhododendron tomentosum (Ledum palustre) essential oils and their pro-apoptotic effect on lymphocytes and rheumatoid arthritis synoviocytes. FÃ¬toterapÃ¬Ã¢, 2019, 139, 104402.	2.2	9
53	Application of artificial neural networks to prediction of new substances with antimicrobial activity against Escherichia coli. Journal of Applied Microbiology, 2021, 130, 40-49.	3.1	9
54	Socioeconomic Characteristics, Health Risk Factors and Alcohol Consumption among the Homeless in North-Eastern Part of Poland. Central European Journal of Public Health, 2017, 25, 29-34.	1.1	9

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55	Artificial Neural Networks for Prediction of Antibacterial Activity in Series of Imidazole Derivatives. Combinatorial Chemistry and High Throughput Screening, 2004, 7, 327-336.	1.1	9
56	Clinical data analysis with the use of artificial neural networks (ANN) and principal component analysis (PCA) of patients with endometrial carcinoma. Reports of Practical Oncology and Radiotherapy, 2005, 10, 239-248.	0.6	8
57	Thermodynamic and QSRR Modeling of HPLC Retention on Modern Stationary Phases. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 62-67.	1.0	8
58	Application of artificial neural networks to the prediction of antifungal activity of imidazole derivatives against Candida albicans. Chemometrics and Intelligent Laboratory Systems, 2022, 222, 104501.	3.5	8
59	Determination of Rutin in Plant Extracts and Emulsions by HPLC-MS. Analytical Letters, 2011, 44, 1728-1737.	1.8	7
60	Micropropagation of Cyclopia genistoides, an Endemic South African Plant of Economic Importance. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2012, 67, 0065.	1.4	7
61	Prediction of the Affinity of the Newly Synthesised Azapirone Derivatives for 5-HT1A Receptors Based on Artificial Neural Network Analysis of Chromatographic Retention Data and Calculation Chemistry Parameters. Combinatorial Chemistry and High Throughput Screening, 2004, 7, 313-325.	1.1	6
62	Does consumption of red grapefruit juice alter naringenin concentrations in milk produced by breastfeeding mothers?. PLoS ONE, 2017, 12, e0185954.	2.5	6
63	Contribution of artificial intelligence to the knowledge of prognostic factors in Hodgkin's lymphoma. European Journal of Cancer Prevention, 2010, 19, 308-312.	1.3	5
64	Cost-effectiveness analysis of lung cancer screening with low-dose computerised tomography of the chest in Poland. Wspolczesna Onkologia, 2015, 6, 480-486.	1.4	5
65	Accumulation of volatile constituents in agar and bioreactor shoot cultures of Verbena officinalis L.. Plant Cell, Tissue and Organ Culture, 2021, 144, 671-679.	2.3	5
66	Mydriasis elicited by imidazol(in)e Î±2-adrenomimetics in comparison with other adrenoceptor-mediated effects and hydrophobicity. European Journal of Pharmacology, 1995, 274, 125-132.	3.5	4
67	Chemometric Analysis of Some Biologically Active Groups of Drugs on the Basis Chromatographic and Molecular Modeling Data. Medicinal Chemistry, 2015, 11, 432-452.	1.5	4
68	Affinity Chromatography Method for Determination of Binding of Drugs to Melanin and Evaluation of Side Effect Potential of Antipsychotic Agents. Current Pharmaceutical Analysis, 2013, 9, 131-138.	0.6	4
69	FROM HARVESTING TO DISTILLATION â€“ EFFECT OF ANALYTICAL PROCEDURES ON THE YIELD AND CHEMICAL COMPOSITION OF RHODODENDRON TOMENTOSUM (LEDUM PALUSTRE) ESSENTIAL OIL. Acta Poloniae Pharmaceutica, 2019, 76, 83-92.	0.1	4
70	Prediction of severe brain damage outcome using two data mining methods. , 2008, , .		3
71	Optimization of Distillation Conditions for Improved Recovery of Phthalides from Celery (Apium) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.7	2
72	Analysis of selected risk factors of coronary artery disease in a healthy population aged 35-55 years. Kardiologia Polska, 2007, 65, 1216-22; discussion 1223-4.	0.6	2

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73	Evaluation of selected lipid parameters and blood pressure in ethnically-homogenous population of middle-aged persons, depending on gender, age and body mass. Open Medicine (Poland), 2010, 5, 486-494.	1.3	1
74	ANN as a prognostic tool after treatment of non-seminoma testicular cancer. Open Medicine (Poland), 2012, 7, 672-679.	1.3	1
75	An assessment of the duration of breastfeeding in north-eastern Poland. Open Medicine (Poland), 2013, 8, 75-79.	1.3	0
76	Spirometry testing among the homeless. Advances in Clinical and Experimental Medicine, 2018, 27, 689-693.	1.4	0