

Adam Buciński

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2662213/publications.pdf>

Version: 2024-02-01

76
papers

1,637
citations

304368

22
h-index

329751

37
g-index

76
all docs

76
docs citations

76
times ranked

2056
citing authors

#	ARTICLE	IF	CITATIONS
1	Quercetin from Shallots (<i>Allium cepa</i> L. var. <i>aggregatum</i>) Is More Bioavailable Than Its Glucosides, <i>J. Journal of Nutrition</i> , 2008, 138, 885-888.	1.3	141
2	Hydrophobicity parameter from high-performance liquid chromatography on an immobilized artificial membrane column and its relationship to bioactivity. <i>Journal of Chromatography A</i> , 1995, 692, 83-89.	1.8	87
3	Quantitative structure-retention relationships models for prediction of high performance liquid chromatography retention time of small molecules: Endogenous metabolites and banned compounds. <i>Analytica Chimica Acta</i> , 2013, 797, 13-19.	2.6	86
4	Chromatographic hydrophobicity parameter determined on an immobilized artificial membrane column: relationships to standard measures of hydrophobicity and bioactivity. <i>European Journal of Medicinal Chemistry</i> , 1994, 29, 163-170.	2.6	73
5	Prediction of gradient retention from the linear solvent strength (LSS) model, quantitative structure-retention relationships (QSRR), and artificial neural networks (ANN). <i>Journal of Separation Science</i> , 2003, 26, 271-282.	1.3	71
6	Artificial Neural Network Analysis for Evaluation of Peptide MS/MS Spectra in Proteomics. <i>Analytical Chemistry</i> , 2004, 76, 1726-1732.	3.2	62
7	Polish validation of the TEMPS-A: The profile of affective temperaments in a college student population. <i>Journal of Affective Disorders</i> , 2010, 123, 36-41.	2.0	61
8	Comparative analysis of different groups of phenolic compounds in fruit and leaf extracts of <i>Aronia</i> sp.: <i>A. melanocarpa</i> , <i>A. arbutifolia</i> , and <i>A. prunifolia</i> and their antioxidant activities. <i>European Food Research and Technology</i> , 2017, 243, 1645-1657.	1.6	55
9	Prediction of pharmacological classification by means of chromatographic parameters processed by principal component analysis. <i>International Journal of Pharmaceutics</i> , 1997, 159, 43-55.	2.6	47
10	Isolation and structure elucidation of phenolic compounds from <i>Cyclopia subternata</i> Vogel (honeybush) intact plant and in vitro cultures. <i>Food Chemistry</i> , 2012, 133, 1373-1382.	4.2	45
11	Isolation of xanthone and benzophenone derivatives from <i>Cyclopia genistoides</i> (L.) Vent. (honeybush) and their pro-apoptotic activity on synoviocytes from patients with rheumatoid arthritis. <i>Food Research International</i> , 2013, 90, 199-208.	1.1	43
12	Accumulation of dibenzocyclooctadiene lignans in agar cultures and in stationary and agitated liquid cultures of <i>Schisandra chinensis</i> (Turcz.) Baill. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3965-3977.	1.7	41
13	Determination of Rare Earth Elements in Human Sperm and Association with Semen Quality. <i>Archives of Environmental Contamination and Toxicology</i> , 2015, 69, 191-201.	2.1	39
14	Artificial neural networks for prediction of antioxidant capacity of cruciferous sprouts. <i>Trends in Food Science and Technology</i> , 2004, 15, 161-169.	7.8	32
15	Light and temperature conditions affect bioflavonoid accumulation in callus cultures of <i>Cyclopia subternata</i> Vogel (honeybush). <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 118, 589-593.	1.2	29
16	Bioreactor shoot cultures of <i>Rhododendron tomentosum</i> (Ledum palustre) for a large-scale production of bioactive volatile compounds. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 51-64.	1.2	29
17	Quantitative relationships between the structure of β^2 -adrenolytic and antihistamine drugs and their retention on an β -acid glycoprotein HPLC column. <i>Biomedical Chromatography</i> , 1994, 8, 125-129.	0.8	28
18	Xanthone, benzophenone and bioflavonoid accumulation in <i>Cyclopia genistoides</i> (L.) Vent. (honeybush) shoot cultures grown on membrane rafts and in a temporary immersion system. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 373-378.	1.2	26

#	ARTICLE	IF	CITATIONS
19	Impact of smoking on multiple primary cancers survival: a retrospective analysis. <i>Clinical and Experimental Medicine</i> , 2018, 18, 391-397.	1.9	26
20	Artificial neural networks in prediction of antifungal activity of a series of pyridine derivatives against <i>Candida albicans</i> . <i>Journal of Microbiological Methods</i> , 2009, 76, 25-29.	0.7	25
21	A protein-coated magnetic beads as a tool for the rapid drug-protein binding study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 52, 420-424.	1.4	24
22	An application of QSRR approach and multiple linear regression method for lipophilicity assessment of flavonoids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 681-689.	1.4	24
23	Human Sperm Characteristics with Regard to Cobalt, Chromium, and Lead in Semen and Activity of Catalase in Seminal Plasma. <i>Biological Trace Element Research</i> , 2019, 188, 251-260.	1.9	23
24	Coping Styles and Alcohol Dependence among Homeless People. <i>PLoS ONE</i> , 2016, 11, e0162381.	1.1	22
25	Phenolic Composition and Biological Properties of Wild and Commercial Dog Rose Fruits and Leaves. <i>Molecules</i> , 2020, 25, 5272.	1.7	22
26	Clinical data analysis using artificial neural networks (ANN) and principal component analysis (PCA) of patients with breast cancer after mastectomy. <i>Reports of Practical Oncology and Radiotherapy</i> , 2007, 12, 9-17.	0.3	21
27	Magnetic beads method for determination of binding of drugs to melanin. <i>Journal of Chromatography A</i> , 2011, 1218, 229-236.	1.8	20
28	Isoflavone production in <i>Cyclopia subternata</i> Vogel (honeybush) suspension cultures grown in shake flasks and stirred-tank bioreactor. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8467-8477.	1.7	20
29	Does <i>Toxoplasma gondii</i> infection affect cognitive function? A case control study. <i>Folia Parasitologica</i> , 2012, 59, 93-98.	0.7	20
30	Artificial neural networks analysis used to evaluate the molecular interactions between selected drugs and human β -1-acid glycoprotein. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 591-596.	1.4	19
31	<i>Toxoplasma gondii</i> infection affects cognitive function - corrigendum. <i>Folia Parasitologica</i> , 2012, 59, 253-254.	0.7	17
32	Short-term outcome of attention and executive functions from aorta no-touch and traditional off-pump coronary artery bypass surgery. <i>World Journal of Biological Psychiatry</i> , 2014, 15, 397-403.	1.3	16
33	Modeling the tryptic hydrolysis of pea proteins using an artificial neural network. <i>LWT - Food Science and Technology</i> , 2008, 41, 942-945.	2.5	13
34	Factor analysis of microbiological activity data and structural parameters of antibacterial quinolones. <i>Journal of Molecular Modeling</i> , 2010, 16, 327-335.	0.8	13
35	Artificial neural networks approach to early lung cancer detection. <i>Open Medicine (Poland)</i> , 2014, 9, 632-641.	0.6	13
36	Validated HPTLC method for determination of ledol and alloaromadendrene in the essential oil fractions of <i>Rhododendron tomentosum</i> plants and in vitro cultures and bioautography for their activity screening. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1086, 63-72.	1.2	13

#	ARTICLE	IF	CITATIONS
37	Pharmacological Classification of Drugs Based on Neural Network Processing of Molecular Modeling Data. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2000, 3, 525-533.	0.6	13
38	In vitro Cultures of Cyclopia Plants (Honeybush) as a Source of Bioactive Xanthenes and Flavanones. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2009, 64, 533-540.	0.6	12
39	Affective temperament and executive functions in emergency medicine professionals. <i>Journal of Affective Disorders</i> , 2014, 168, 192-196.	2.0	12
40	In Vitro Propagation of <i>Rhododendron tomentosum</i> – an Endangered Essential Oil Bearing Plant from Peatland. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2016, 58, 29-43.	0.5	12
41	Are the Levels of Lipid Parameters Associated with Biometeorological Conditions?. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4636.	1.2	12
42	Prediction of the antimicrobial activity of quaternary ammonium salts against <i>Staphylococcus aureus</i> using artificial neural networks. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103233.	2.3	12
43	Cytokines and chemokines multiplex analysis in patients with low disease activity rheumatoid arthritis. <i>Rheumatology International</i> , 2022, 42, 609-619.	1.5	12
44	A New Approach to Determine Camptothecin and Its Analogues Affinity to Human Serum Albumin. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 1142-1146.	1.6	11
45	Production of essential oils from in vitro cultures of <i>Caryopteris</i> species and comparison of their concentrations with in vivo plants. <i>Acta Physiologiae Plantarum</i> , 2015, 37, 1.	1.0	11
46	In vitro release of theophylline from starch-based matrices prepared via high hydrostatic pressure treatment and autoclaving. <i>Carbohydrate Polymers</i> , 2015, 117, 25-33.	5.1	11
47	Application of HPTLC and LC-MS Methods for Determination of Topiramate in Pharmaceutical Formulations. <i>Current Pharmaceutical Analysis</i> , 2012, 8, 44-48.	0.3	10
48	Prediction of semen quality using artificial neural network. <i>Journal of Applied Biomedicine</i> , 2019, 17, 167-174.	0.6	10
49	Micropropagation of <i>Cyclopia genistoides</i> , an Endemic South African Plant of Economic Importance. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 65-76.	0.6	9
50	Prediction of antimicrobial activity of imidazole derivatives by artificial neural networks. <i>Open Medicine (Poland)</i> , 2013, 8, 1-15.	0.6	9
51	The incidence of pulmonary tuberculosis among the homeless in north-eastern Poland. <i>Open Medicine (Poland)</i> , 2013, 8, 283-285.	0.6	9
52	Chemical variability of <i>Rhododendron tomentosum</i> (<i>Ledum palustre</i>) essential oils and their pro-apoptotic effect on lymphocytes and rheumatoid arthritis synoviocytes. <i>Farmacoterapia</i> , 2019, 139, 104402.	1.1	9
53	Application of artificial neural networks to prediction of new substances with antimicrobial activity against <i>Escherichia coli</i> . <i>Journal of Applied Microbiology</i> , 2021, 130, 40-49.	1.4	9
54	Socioeconomic Characteristics, Health Risk Factors and Alcohol Consumption among the Homeless in North-Eastern Part of Poland. <i>Central European Journal of Public Health</i> , 2017, 25, 29-34.	0.4	9

#	ARTICLE	IF	CITATIONS
55	Artificial Neural Networks for Prediction of Antibacterial Activity in Series of Imidazole Derivatives. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004, 7, 327-336.	0.6	9
56	Clinical data analysis with the use of artificial neural networks (ANN) and principal component analysis (PCA) of patients with endometrial carcinoma. <i>Reports of Practical Oncology and Radiotherapy</i> , 2005, 10, 239-248.	0.3	8
57	Thermodynamic and QSRR Modeling of HPLC Retention on Modern Stationary Phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 62-67.	0.5	8
58	Application of artificial neural networks to the prediction of antifungal activity of imidazole derivatives against <i>Candida albicans</i> . <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022, 222, 104501.	1.8	8
59	Determination of Rutin in Plant Extracts and Emulsions by HPLC-MS. <i>Analytical Letters</i> , 2011, 44, 1728-1737.	1.0	7
60	Micropropagation of <i>Cyclopia genistoides</i> , an Endemic South African Plant of Economic Importance. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2012, 67, 0065.	0.6	7
61	Prediction of the Affinity of the Newly Synthesised Azapirone Derivatives for 5-HT _{1A} Receptors Based on Artificial Neural Network Analysis of Chromatographic Retention Data and Calculation Chemistry Parameters. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004, 7, 313-325.	0.6	6
62	Does consumption of red grapefruit juice alter naringenin concentrations in milk produced by breastfeeding mothers?. <i>PLoS ONE</i> , 2017, 12, e0185954.	1.1	6
63	Contribution of artificial intelligence to the knowledge of prognostic factors in Hodgkin's lymphoma. <i>European Journal of Cancer Prevention</i> , 2010, 19, 308-312.	0.6	5
64	Cost-effectiveness analysis of lung cancer screening with low-dose computerised tomography of the chest in Poland. <i>Wspolczesna Onkologia</i> , 2015, 6, 480-486.	0.7	5
65	Accumulation of volatile constituents in agar and bioreactor shoot cultures of <i>Verbena officinalis</i> L.. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 144, 671-679.	1.2	5
66	Mydriasis elicited by imidazol(in)e \pm 2-adrenomimetics in comparison with other adrenoceptor-mediated effects and hydrophobicity. <i>European Journal of Pharmacology</i> , 1995, 274, 125-132.	1.7	4
67	Chemometric Analysis of Some Biologically Active Groups of Drugs on the Basis Chromatographic and Molecular Modeling Data. <i>Medicinal Chemistry</i> , 2015, 11, 432-452.	0.7	4
68	Affinity Chromatography Method for Determination of Binding of Drugs to Melanin and Evaluation of Side Effect Potential of Antipsychotic Agents. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 131-138.	0.3	4
69	FROM HARVESTING TO DISTILLATION – EFFECT OF ANALYTICAL PROCEDURES ON THE YIELD AND CHEMICAL COMPOSITION OF RHODODENDRON TOMENTOSUM (LEDUM PALUSTRE) ESSENTIAL OIL. <i>Acta Poloniae Pharmaceutica</i> , 2019, 76, 83-92.	0.3	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 (<i>Apium</i>) Tj ETQq1 1 0.784314 rgBT /Qoverlock 0.6 2	0.6	2
72	Analysis of selected risk factors of coronary artery disease in a healthy population aged 35-55 years. <i>Kardiologia Polska</i> , 2007, 65, 1216-22; discussion 1223-4.	0.3	2

#	ARTICLE	IF	CITATIONS
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.	0.6	1
74	ANN as a prognostic tool after treatment of non-seminoma testicular cancer. Open Medicine (Poland), 2012, 7, 672-679.	0.6	1
75	An assessment of the duration of breastfeeding in north-eastern Poland. Open Medicine (Poland), 2013, 8, 75-79.	0.6	0
76	Spirometry testing among the homeless. Advances in Clinical and Experimental Medicine, 2018, 27, 689-693.	0.6	0