

# Adam Buciński

## List of Publications by Year in descending order

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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	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
2	Cytokines and chemokines multiplex analysis in patients with low disease activity rheumatoid arthritis. <i>Rheumatology International</i> , 2022, 42, 609-619.	1.5	12
3	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
4	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
5	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
6	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
7	Phenolic Composition and Biological Properties of Wild and Commercial Dog Rose Fruits and Leaves. <i>Molecules</i> , 2020, 25, 5272.	1.7	22
8	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
9	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>FÅ-toterapÅ-Åç</i> , 2019, 139, 104402.	1.1	9
10	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
11	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
12	FROM HARVESTING TO DISTILLATION – EFFECT OF ANALYTICAL PROCEDURES ON THE YIELD AND CHEMICAL COMPOSITION OF RHODODENDRON TOMENTOSUM ( <i>LEDUM PALUSTRE</i> ) ESSENTIAL OIL. <i>Acta Poloniae Pharmaceutica</i> , 2019, 76, 83-92.	0.3	4
13	Prediction of semen quality using artificial neural network. <i>Journal of Applied Biomedicine</i> , 2019, 17, 167-174.	0.6	10
14	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
15	Impact of smoking on multiple primary cancers survival: a retrospective analysis. <i>Clinical and Experimental Medicine</i> , 2018, 18, 391-397.	1.9	26
16	Spirometry testing among the homeless. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 27, 689-693.	0.6	0
17	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. Å-prunifolia</i> and their antioxidant activities. <i>European Food Research and Technology</i> , 2017, 243, 1645-1657.	1.6	55
18	Bioreactor shoot cultures of <i>Rhododendron tomentosum</i> ( <i>Ledum palustre</i> ) for a large-scale production of bioactive volatile compounds. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 131, 51-64.	1.2	29

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19	Does consumption of red grapefruit juice alter naringenin concentrations in milk produced by breastfeeding mothers?. PLoS ONE, 2017, 12, e0185954.	1.1	6
20	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.	0.4	9
21	Coping Styles and Alcohol Dependence among Homeless People. PLoS ONE, 2016, 11, e0162381.	1.1	22
22	In Vitro Propagation of <i>Rhododendron tomentosum</i> – an Endangered Essential Oil Bearing Plant from Peatland. Acta Biologica Cracoviensia Series Botanica, 2016, 58, 29-43.	0.5	12
23	Accumulation of dibenzocyclooctadiene lignans in agar cultures and in stationary and agitated liquid cultures of <i>Schisandra chinensis</i> (Turcz.) Baill. Applied Microbiology and Biotechnology, 2016, 100, 3965-3977.	1.7	41
24	Cost-effectiveness analysis of lung cancer screening with low-dose computerised tomography of the chest in Poland. Wspolczesna Onkologia, 2015, 6, 480-486.	0.7	5
25	Determination of Rare Earth Elements in Human Sperm and Association with Semen Quality. Archives of Environmental Contamination and Toxicology, 2015, 69, 191-201.	2.1	39
26	Production of essential oils from in vitro cultures of <i>Caryopteris</i> species and comparison of their concentrations with in vivo plants. Acta Physiologiae Plantarum, 2015, 37, 1.	1.0	11
27	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. Plant Cell, Tissue and Organ Culture, 2015, 120, 373-378.	1.2	26
28	Thermodynamic and QSRR Modeling of HPLC Retention on Modern Stationary Phases. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 62-67.	0.5	8
29	In vitro release of theophylline from starch-based matrices prepared via high hydrostatic pressure treatment and autoclaving. Carbohydrate Polymers, 2015, 117, 25-33.	5.1	11
30	Chemometric Analysis of Some Biologically Active Groups of Drugs on the Basis Chromatographic and Molecular Modeling Data. Medicinal Chemistry, 2015, 11, 432-452.	0.7	4
31	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.	1.3	16
32	Artificial neural networks approach to early lung cancer detection. Open Medicine (Poland), 2014, 9, 632-641.	0.6	13
33	Affective temperament and executive functions in emergency medicine professionals. Journal of Affective Disorders, 2014, 168, 192-196.	2.0	12
34	Light and temperature conditions affect bioflavonoid accumulation in callus cultures of <i>Cyclopia subternata</i> Vogel (honeybush). Plant Cell, Tissue and Organ Culture, 2014, 118, 589-593.	1.2	29
35	Isoflavone production in <i>Cyclopia subternata</i> Vogel (honeybush) suspension cultures grown in shake flasks and stirred-tank bioreactor. Applied Microbiology and Biotechnology, 2013, 97, 8467-8477.	1.7	20
36	Quantitative structure–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.	2.6	86

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37	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>FÄ-toterapÄ-Äc</i> , 2013, 90, 199-208.	1.1	43
38	Prediction of antimicrobial activity of imidazole derivatives by artificial neural networks. <i>Open Medicine (Poland)</i> , 2013, 8, 1-15.	0.6	9
39	An assessment of the duration of breastfeeding in north-eastern Poland. <i>Open Medicine (Poland)</i> , 2013, 8, 75-79.	0.6	0
40	The incidence of pulmonary tuberculosis among the homeless in north-eastern Poland. <i>Open Medicine (Poland)</i> , 2013, 8, 283-285.	0.6	9
41	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
42	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
43	ANN as a prognostic tool after treatment of non-seminoma testicular cancer. <i>Open Medicine (Poland)</i> , 2012, 7, 672-679.	0.6	1
44	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
45	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
46	Does <i>Toxoplasma gondii</i> infection affect cognitive function? A case control study. <i>Folia Parasitologica</i> , 2012, 59, 93-98.	0.7	20
47	<i>Toxoplasma gondii</i> infection affects cognitive function - corrigendum. <i>Folia Parasitologica</i> , 2012, 59, 253-254.	0.7	17
48	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
49	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
50	Magnetic beads method for determination of binding of drugs to melanin. <i>Journal of Chromatography A</i> , 2011, 1218, 229-236.	1.8	20
51	Determination of Rutin in Plant Extracts and Emulsions by HPLC-MS. <i>Analytical Letters</i> , 2011, 44, 1728-1737.	1.0	7
52	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
53	Evaluation of selected lipid parameters and blood pressure in ethnically-homogenous population of middle-aged persons, depending on gender, age and body mass. <i>Open Medicine (Poland)</i> , 2010, 5, 486-494.	0.6	1
54	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

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55	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
56	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
57	Artificial neural networks analysis used to evaluate the molecular interactions between selected drugs and human I±1-acid glycoprotein. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 591-596.	1.4	19
58	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
59	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
60	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
61	Prediction of severe brain damage outcome using two data mining methods. , 2008, , .		3
62	Quercetin from Shallots ( <i>Allium cepa</i> L. var. <i>aggregatum</i> ) Is More Bioavailable Than Its Glucosides , ,3. <i>Journal of Nutrition</i> , 2008, 138, 885-888.	1.3	141
63	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
64	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
65	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
66	Artificial Neural Network Analysis for Evaluation of Peptide MS/MS Spectra in Proteomics. <i>Analytical Chemistry</i> , 2004, 76, 1726-1732.	3.2	62
67	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
68	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. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004, 7, 313-325.	0.6	6
69	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
70	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
71	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
72	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

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73	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
74	Mydriasis elicited by imidazol(in)e $\hat{1}\pm 2$ -adrenomimetics in comparison with other adrenoceptor-mediated effects and hydrophobicity. <i>European Journal of Pharmacology</i> , 1995, 274, 125-132.	1.7	4
75	Quantitative relationships between the structure of $\hat{1}^2$ -adrenolytic and antihistamine drugs and their retention on an $\hat{1}\pm 1$ -acid glycoprotein HPLC column. <i>Biomedical Chromatography</i> , 1994, 8, 125-129.	0.8	28
76	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