

# Chartchalerm Isarankura-Na-Ayudhya

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71  
papers

1,553  
citations

23  
h-index

37  
g-index

72  
ext. papers

1,700  
ext. citations

3.8  
avg, IF

4.36  
L-index

#	Paper	IF	Citations
71	Boiling, Blanching, and Stir-Frying Markedly Reduce Pesticide Residues in Vegetables. <i>Foods</i> , <b>2022</b> , 11, 1463	4.9	1
70	Nation-wide investigation of RHD variants in Thai blood donors: Impact for molecular diagnostics. <i>Transfusion</i> , <b>2021</b> , 61, 931-938	2.9	0
69	Roles of kininogen-1, basement membrane specific heparan sulfate proteoglycan core protein, and roundabout homolog 4 as potential urinary protein biomarkers in diabetic nephropathy. <i>EXCLI Journal</i> , <b>2020</b> , 19, 872-891	2.4	1
68	Proteomic study of in vitro osteogenic differentiation of mesenchymal stem cells in high glucose condition. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 7505-7516	2.8	3
67	HCVpred: A web server for predicting the bioactivity of hepatitis C virus NS5B inhibitors. <i>Journal of Computational Chemistry</i> , <b>2020</b> , 41, 1820-1834	3.5	6
66	Production and Characterization of Recombinant Wild Type Uricase from Indonesian Coelacanth () and Improvement of Its Thermostability by In Silico Rational Design and Disulphide Bridges Engineering. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
65	Proteomics and bioinformatics analysis reveal potential roles of cadmium-binding proteins in cadmium tolerance and accumulation of. <i>PeerJ</i> , <b>2019</b> , 7, e6904	3.1	2
64	Oxidative responses and defense mechanism of hyperpigmented as characterized by proteomics and metabolomics. <i>EXCLI Journal</i> , <b>2018</b> , 17, 544-562	2.4	4
63	Repositioning of 8-hydroxyquinoline derivatives as a new promising candidate for combating multidrug resistant. <i>EXCLI Journal</i> , <b>2018</b> , 17, 840-846	2.4	11
62	Metal complexation by histidine-rich peptides confers protective roles against cadmium stress in as revealed by proteomics analysis. <i>PeerJ</i> , <b>2018</b> , 6, e5245	3.1	9
61	High-fat diet-induced plasma protein and liver changes in obese rats can be attenuated by melatonin supplementation. <i>Nutrition Research</i> , <b>2017</b> , 42, 51-63	4	8
60	Prevalence of Thalassemia Traits and Iron Deficiency Anemia in Sindh, Pakistan. <i>Hemoglobin</i> , <b>2017</b> , 41, 157-163	0.6	
59	Comparative proteomics analysis of <i>Neisseria gonorrhoeae</i> strains in response to extended-spectrum cephalosporins. <i>EXCLI Journal</i> , <b>2017</b> , 16, 1207-1229	2.4	6
58	Probing the origins of anticancer activity of chrysin derivatives. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 1884-1892	2.2	4
57	Exploring the origins of structureoxygen affinity relationship of human haemoglobin allosteric effector. <i>Molecular Simulation</i> , <b>2015</b> , 41, 1283-1291	2	4
56	Quercetin-imprinted polymer for anthocyanin extraction from mangosteen pericarp. <i>Materials Science and Engineering C</i> , <b>2015</b> , 51, 127-31	8.3	14
55	Proteochemometric model for predicting the inhibition of penicillin-binding proteins. <i>Journal of Computer-Aided Molecular Design</i> , <b>2015</b> , 29, 127-41	4.2	8

54	Paper-based acetylcholinesterase inhibition assay combining a wet system for organophosphate and carbamate pesticides detection. <i>EXCLI Journal</i> , <b>2015</b> , 14, 307-19	2.4	25
53	Retinol-binding protein 4 and its potential roles in hypercholesterolemia revealed by proteomics. <i>EXCLI Journal</i> , <b>2015</b> , 14, 999-1013	2.4	4
52	AutoWeka: toward an automated data mining software for QSAR and QSPR studies. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1260, 119-47	1.4	16
51	Engineering of chimeric catalase-Angiopep-2 for intracellular protection of brain endothelial cells against oxidative stress. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 68, 60-6	7.9	7
50	Predictive QSAR modeling of aldose reductase inhibitors using Monte Carlo feature selection. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 76, 352-9	6.8	24
49	A simple method for creating molecularly imprinted polymer-coated bacterial cellulose nanofibers. <i>Chemical Papers</i> , <b>2014</b> , 68,	1.9	8
48	QSAR modeling of aromatase inhibition by flavonoids using machine learning approaches. <i>Chemical Papers</i> , <b>2014</b> , 68,	1.9	8
47	Reference map and comparative proteomic analysis of <i>Neisseria gonorrhoeae</i> displaying high resistance against spectinomycin. <i>Journal of Medical Microbiology</i> , <b>2014</b> , 63, 371-385	3.2	16
46	In vitro study of parasite elimination and endothelial protection by curcumin: adjunctive therapy for cerebral malaria. <i>EXCLI Journal</i> , <b>2014</b> , 13, 287-99	2.4	6
45	Polyacrylamide hydrogel encapsulated <i>E. coli</i> expressing metal-sensing green fluorescent protein as a potential tool for copper ion determination. <i>EXCLI Journal</i> , <b>2014</b> , 13, 401-15	2.4	3
44	QSAR Study of H1N1 Neuraminidase Inhibitors from Influenza A Virus. <i>Letters in Drug Design and Discovery</i> , <b>2014</b> , 11, 420-427	0.8	30
43	Exploring the chemical space of aromatase inhibitors. <i>Molecular Diversity</i> , <b>2013</b> , 17, 661-77	3.1	23
42	QSAR modeling of aromatase inhibitory activity of 1-substituted 1,2,3-triazole analogs of letrozole. <i>European Journal of Medicinal Chemistry</i> , <b>2013</b> , 69, 99-114	6.8	29
41	QSAR study of amidino bis-benzimidazole derivatives as potent anti-malarial agents against <i>Plasmodium falciparum</i> . <i>Chemical Papers</i> , <b>2013</b> , 67,	1.9	16
40	Quantitative structure-property relationship study of spectral properties of green fluorescent protein with support vector machine. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2013</b> , 120, 42-52 <sup>3.8</sup>	3.8	22
39	Genetic algorithm search space splicing particle swarm optimization as general-purpose optimizer. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2013</b> , 128, 153-159	3.8	9
38	Predicting antimicrobial activities of benzimidazole derivatives. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 5418-5430	2.2	11
37	Synthesis and computational investigation of molecularly imprinted nanospheres for selective recognition of alpha-tocopherol succinate. <i>EXCLI Journal</i> , <b>2013</b> , 12, 701-18	2.4	9

36	Quantitative population-health relationship (QPHR) for assessing metabolic syndrome. <i>EXCLI Journal</i> , <b>2013</b> , 12, 569-83	2.4	14
35	Exploring the physicochemical properties of templates from molecular imprinting literature using interactive text mining approach. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2012</b> , 116, 128-136	3.8	5
34	Increase Membrane Vesiculation in Essential Hypertension. <i>Laboratory Medicine</i> , <b>2012</b> , 43, 6-9	1.6	2
33	QSAR study of anti-prion activity of 2-aminothiazoles. <i>EXCLI Journal</i> , <b>2012</b> , 11, 453-67	2.4	12
32	Metal Complexes of Uracil Derivatives with Cytotoxicity and Superoxide Scavenging Activity. <i>Letters in Drug Design and Discovery</i> , <b>2012</b> , 9, 282-287	0.8	9
31	The Identification of Functional Non-Synonymous SNP in Human ATPBinding Cassette (ABC), Subfamily Member 7 Gene: Application of Bioinformatics Tools in Biomedicine. <i>Journal of Bioanalysis &amp; Biomedicine</i> , <b>2011</b> , 03,	1	1
30	Molecular Docking of Aromatase Inhibitors. <i>Molecules</i> , <b>2011</b> , 16, 3597-3617	4.8	58
29	Predicting the free radical scavenging activity of curcumin derivatives. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2011</b> , 109, 207-216	3.8	33
28	PyBact: an algorithm for bacterial identification. <i>EXCLI Journal</i> , <b>2011</b> , 10, 240-245	2.4	3
27	Solving the barriers to diabetes education through the use of multimedia. <i>Australian Journal of Cancer Nursing</i> , <b>2010</b> , 12, 58-66	1.9	8
26	Identification of metabolic syndrome using decision tree analysis. <i>Diabetes Research and Clinical Practice</i> , <b>2010</b> , 90, e15-8	7.4	40
25	Advances in computational methods to predict the biological activity of compounds. <i>Expert Opinion on Drug Discovery</i> , <b>2010</b> , 5, 633-54	6.2	128
24	Lower BMI cutoff for assessing the prevalence of metabolic syndrome in Thai population. <i>Acta Diabetologica</i> , <b>2010</b> , 47 Suppl 1, 91-6	3.9	13
23	Fluorescent protein-based optical biosensor for copper ion quantitation. <i>Biological Trace Element Research</i> , <b>2010</b> , 134, 352-63	4.5	31
22	Engineering of a novel chimera of superoxide dismutase and Vitreoscilla hemoglobin for rapid detoxification of reactive oxygen species. <i>Journal of Bioscience and Bioengineering</i> , <b>2010</b> , 110, 633-7	3.3	8
21	Proteomic alterations of Escherichia coli by paraquat. <i>EXCLI Journal</i> , <b>2010</b> , 9, 108-118	2.4	7
20	Biochemical and cellular investigation of Vitreoscilla hemoglobin (VHb) variants possessing efficient peroxidase activity. <i>Journal of Microbiology and Biotechnology</i> , <b>2010</b> , 20, 532-41	3.3	5
19	Bioactive azaflorenone alkaloids from <i>Polyalthia debilis</i> (Pierre) Finet & Gagnep. <i>Molecules</i> , <b>2009</b> , 14, 4414-24	4.8	31

18	Modeling the LPS neutralization activity of anti-endotoxins. <i>Molecules</i> , <b>2009</b> , 14, 1869-88	4.8	23
17	Modeling the activity of furin inhibitors using artificial neural network. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 1664-73	6.8	36
16	Copper complexes of pyridine derivatives with superoxide scavenging and antimicrobial activities. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 3259-65	6.8	131
15	Synthesis and theoretical study of molecularly imprinted nanospheres for recognition of tocopherols. <i>Molecules</i> , <b>2009</b> , 14, 2985-3002	4.8	38
14	QSAR MODEL OF THE QUORUM-QUENCHING N-ACYL-HOMOSERINE LACTONE LACTONASE ACTIVITY. <i>Journal of Biological Systems</i> , <b>2008</b> , 16, 279-293	1.6	19
13	Vasorelaxant and antioxidant activities of <i>Spilanthes acmella</i> Murr. <i>International Journal of Molecular Sciences</i> , <b>2008</b> , 9, 2724-44	6.3	64
12	Antimicrobial and antioxidative activities of bioactive constituents from <i>Hydnophytum formicarum</i> Jack. <i>Molecules</i> , <b>2008</b> , 13, 904-21	4.8	70
11	Computational insights on sulfonamide imprinted polymers. <i>Molecules</i> , <b>2008</b> , 13, 3077-91	4.8	28
10	Copper complexes of nicotinic-aromatic carboxylic acids as superoxide dismutase mimetics. <i>Molecules</i> , <b>2008</b> , 13, 3040-56	4.8	74
9	Metal ion accessibility of histidine-modified superfolder green fluorescent protein expressed in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , <b>2008</b> , 30, 1391-6	3	12
8	Prediction of bond dissociation enthalpy of antioxidant phenols by support vector machine. <i>Journal of Molecular Graphics and Modelling</i> , <b>2008</b> , 27, 188-96	2.8	49
7	Identification of ischemic heart disease via machine learning analysis on magnetocardiograms. <i>Computers in Biology and Medicine</i> , <b>2008</b> , 38, 817-25	7	23
6	Shedding light on the role of <i>Vitreoscilla</i> hemoglobin on cellular catabolic regulation by proteomic analysis. <i>International Journal of Biological Sciences</i> , <b>2008</b> , 4, 71-80	11.2	17
5	Prediction of GFP spectral properties using artificial neural network. <i>Journal of Computational Chemistry</i> , <b>2007</b> , 28, 1275-89	3.5	54
4	Quantitative structure-imprinting factor relationship of molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , <b>2007</b> , 22, 3309-17	11.8	71
3	EDTA-induced membrane fluidization and destabilization: biophysical studies on artificial lipid membranes. <i>Acta Biochimica Et Biophysica Sinica</i> , <b>2007</b> , 39, 901-13	2.8	46
2	Metalloantibiotic Mn(II)-bacitracin complex mimicking manganese superoxide dismutase. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 341, 925-30	3.4	32
1	Co-expression of zinc binding motif and GFP as a cellular indicator of metal ions mobility. <i>International Journal of Biological Sciences</i> , <b>2005</b> , 1, 146-51	11.2	3

