Chartchalerm Isarankura-Na-Ayudhya

List of Publications by Citations

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	Copper complexes of pyridine derivatives with superoxide scavenging and antimicrobial activities. *European Journal of Medicinal Chemistry*, **2009**, 44, 3259-65	6.8	131
70	Advances in computational methods to predict the biological activity of compounds. *Expert Opinion on Drug Discovery*, **2010**, 5, 633-54	6.2	128
69	Copper complexes of nicotinic-aromatic carboxylic acids as superoxide dismutase mimetics. *Molecules*, **2008**, 13, 3040-56	4.8	74
68	Quantitative structure-imprinting factor relationship of molecularly imprinted polymers. *Biosensors and Bioelectronics*, **2007**, 22, 3309-17	11.8	71
67	Antimicrobial and antioxidative activities of bioactive constituents from Hydnophytum formicarum Jack. *Molecules*, **2008**, 13, 904-21	4.8	70
66	Vasorelaxant and antioxidant activities of Spilanthes acmella Murr. *International Journal of Molecular Sciences*, **2008**, 9, 2724-44	6.3	64
65	Molecular Docking of Aromatase Inhibitors. *Molecules*, **2011**, 16, 3597-3617	4.8	58
64	Prediction of GFP spectral properties using artificial neural network. *Journal of Computational Chemistry*, **2007**, 28, 1275-89	3.5	54
63	Prediction of bond dissociation enthalpy of antioxidant phenols by support vector machine. *Journal of Molecular Graphics and Modelling*, **2008**, 27, 188-96	2.8	49
62	EDTA-induced membrane fluidization and destabilization: biophysical studies on artificial lipid membranes. *Acta Biochimica Et Biophysica Sinica*, **2007**, 39, 901-13	2.8	46
61	Identification of metabolic syndrome using decision tree analysis. *Diabetes Research and Clinical Practice*, **2010**, 90, e15-8	7.4	40
60	Synthesis and theoretical study of molecularly imprinted nanospheres for recognition of tocopherols. *Molecules*, **2009**, 14, 2985-3002	4.8	38
59	Modeling the activity of furin inhibitors using artificial neural network. *European Journal of Medicinal Chemistry*, **2009**, 44, 1664-73	6.8	36
58	Predicting the free radical scavenging activity of curcumin derivatives. *Chemometrics and Intelligent Laboratory Systems*, **2011**, 109, 207-216	3.8	33
57	Metalloantibiotic Mn(II)-bacitracin complex mimicking manganese superoxide dismutase. *Biochemical and Biophysical Research Communications*, **2006**, 341, 925-30	3.4	32
56	Bioactive azafluorenone alkaloids from Polyalthia debilis (Pierre) Finet & Gagnep. *Molecules*, **2009**, 14, 4414-24	4.8	31
55	Fluorescent protein-based optical biosensor for copper ion quantitation. *Biological Trace Element Research*, **2010**, 134, 352-63	4.5	31

54   QSAR Study of H1N1 Neuraminidase Inhibitors from Influenza a Virus. *Letters in Drug Design and Discovery*, **2014**, 11, 420-427   0.8   30

53   QSAR modeling of aromatase inhibitory activity of 1-substituted 1,2,3-triazole analogs of letrozole. *European Journal of Medicinal Chemistry*, **2013**, 69, 99-114   6.8   29

52   Computational insights on sulfonamide imprinted polymers. *Molecules*, **2008**, 13, 3077-91   4.8   28

51   Paper-based acetylcholinesterase inhibition assay combining a wet system for organophosphate and carbamate pesticides detection. *EXCLI Journal*, **2015**, 14, 307-19   2.4   25

50   Predictive QSAR modeling of aldose reductase inhibitors using Monte Carlo feature selection. *European Journal of Medicinal Chemistry*, **2014**, 76, 352-9   6.8   24

49   Exploring the chemical space of aromatase inhibitors. *Molecular Diversity*, **2013**, 17, 661-77   3.1   23

48   Modeling the LPS neutralization activity of anti-endotoxins. *Molecules*, **2009**, 14, 1869-88   4.8   23

47   Identification of ischemic heart disease via machine learning analysis on magnetocardiograms. *Computers in Biology and Medicine*, **2008**, 38, 817-25   7   23

46   Quantitative structure–property relationship study of spectral properties of green fluorescent protein with support vector machine. *Chemometrics and Intelligent Laboratory Systems*, **2013**, 120, 42-52   3.8   22

45   QSAR MODEL OF THE QUORUM-QUENCHING N-ACYL-HOMOSERINE LACTONE LACTONASE ACTIVITY. *Journal of Biological Systems*, **2008**, 16, 279-293   1.6   19

44   Shedding light on the role of Vitreoscilla hemoglobin on cellular catabolic regulation by proteomic analysis. *International Journal of Biological Sciences*, **2008**, 4, 71-80   11.2   17

43   Reference map and comparative proteomic analysis of Neisseria gonorrhoeae displaying high resistance against spectinomycin. *Journal of Medical Microbiology*, **2014**, 63, 371-385   3.2   16

42   QSAR study of amidino bis-benzimidazole derivatives as potent anti-malarial agents against Plasmodium falciparum. *Chemical Papers*, **2013**, 67,   1.9   16

41   AutoWeka: toward an automated data mining software for QSAR and QSPR studies. *Methods in Molecular Biology*, **2015**, 1260, 119-47   1.4   16

40   Quercetin-imprinted polymer for anthocyanin extraction from mangosteen pericarp. *Materials Science and Engineering C*, **2015**, 51, 127-31   8.3   14

39   Quantitative population-health relationship (QPHR) for assessing metabolic syndrome. *EXCLI Journal*, **2013**, 12, 569-83   2.4   14

38   Lower BMI cutoff for assessing the prevalence of metabolic syndrome in Thai population. *Acta Diabetologica*, **2010**, 47 Suppl 1, 91-6   3.9   13

37   Metal ion accessibility of histidine-modified superfolder green fluorescent protein expressed in Escherichia coli. *Biotechnology Letters*, **2008**, 30, 1391-6   3   12

36	QSAR study of anti-prion activity of 2-aminothiazoles. *EXCLI Journal*, **2012**, 11, 453-67	2.4	12
35	Predicting antimicrobial activities of benzimidazole derivatives. *Medicinal Chemistry Research*, **2013**, 22, 5418-5430	2.2	11
34	Repositioning of 8-hydroxyquinoline derivatives as a new promising candidate for combating multidrug resistant. *EXCLI Journal*, **2018**, 17, 840-846	2.4	11
33	Genetic algorithm search space splicing particle swarm optimization as general-purpose optimizer. *Chemometrics and Intelligent Laboratory Systems*, **2013**, 128, 153-159	3.8	9
32	Synthesis and computational investigation of molecularly imprinted nanospheres for selective recognition of alpha-tocopherol succinate. *EXCLI Journal*, **2013**, 12, 701-18	2.4	9
31	Metal Complexes of Uracil Derivatives with Cytotoxicity and Superoxide Scavenging Activity. *Letters in Drug Design and Discovery*, **2012**, 9, 282-287	0.8	9
30	Metal complexation by histidine-rich peptides confers protective roles against cadmium stress in as revealed by proteomics analysis. *PeerJ*, **2018**, 6, e5245	3.1	9
29	High-fat diet-induced plasma protein and liver changes in obese rats can be attenuated by melatonin supplementation. *Nutrition Research*, **2017**, 42, 51-63	4	8
28	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. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
27	A simple method for creating molecularly imprinted polymer-coated bacterial cellulose nanofibers. *Chemical Papers*, **2014**, 68,	1.9	8
26	QSAR modeling of aromatase inhibition by flavonoids using machine learning approaches. *Chemical Papers*, **2014**, 68,	1.9	8
25	Proteochemometric model for predicting the inhibition of penicillin-binding proteins. *Journal of Computer-Aided Molecular Design*, **2015**, 29, 127-41	4.2	8
24	Solving the barriers to diabetes education through the use of multimedia. *Australian Journal of Cancer Nursing*, **2010**, 12, 58-66	1.9	8
23	Engineering of a novel chimera of superoxide dismutase and Vitreoscilla hemoglobin for rapid detoxification of reactive oxygen species. *Journal of Bioscience and Bioengineering*, **2010**, 110, 633-7	3.3	8
22	Engineering of chimeric catalase-Angiopep-2 for intracellular protection of brain endothelial cells against oxidative stress. *International Journal of Biological Macromolecules*, **2014**, 68, 60-6	7.9	7
21	Proteomic alterations of Escherichia coli by paraquat. *EXCLI Journal*, **2010**, 9, 108-118	2.4	7
20	Comparative proteomics analysis of Neisseria gonorrhoeae strains in response to extended-spectrum cephalosporins. *EXCLI Journal*, **2017**, 16, 1207-1229	2.4	6
19	In vitro study of parasite elimination and endothelial protection by curcumin: adjunctive therapy for cerebral malaria. *EXCLI Journal*, **2014**, 13, 287-99	2.4	6

#	Reference		
18	HCVpred: A web server for predicting the bioactivity of hepatitis C virus NS5B inhibitors. *Journal of Computational Chemistry*, **2020**, 41, 1820-1834	3.5	6
17	Exploring the physicochemical properties of templates from molecular imprinting literature using interactive text mining approach. *Chemometrics and Intelligent Laboratory Systems*, **2012**, 116, 128-136	3.8	5
16	Biochemical and cellular investigation of Vitreoscilla hemoglobin (VHb) variants possessing efficient peroxidase activity. *Journal of Microbiology and Biotechnology*, **2010**, 20, 532-41	3.3	5
15	Probing the origins of anticancer activity of chrysin derivatives. *Medicinal Chemistry Research*, **2015**, 24, 1884-1892	2.2	4
14	Exploring the origins of structure–oxygen affinity relationship of human haemoglobin allosteric effector. *Molecular Simulation*, **2015**, 41, 1283-1291	2	4
13	Oxidative responses and defense mechanism of hyperpigmented as characterized by proteomics and metabolomics. *EXCLI Journal*, **2018**, 17, 544-562	2.4	4
12	Retinol-binding protein 4 and its potential roles in hypercholesterolemia revealed by proteomics. *EXCLI Journal*, **2015**, 14, 999-1013	2.4	4
11	Polyacrylamide hydrogel encapsulated E. coli expressing metal-sensing green fluorescent protein as a potential tool for copper ion determination. *EXCLI Journal*, **2014**, 13, 401-15	2.4	3
10	PyBact: an algorithm for bacterial identification. *EXCLI Journal*, **2011**, 10, 240-245	2.4	3
9	Co-expression of zinc binding motif and GFP as a cellular indicator of metal ions mobility. *International Journal of Biological Sciences*, **2005**, 1, 146-51	11.2	3
8	Proteomic study of in vitro osteogenic differentiation of mesenchymal stem cells in high glucose condition. *Molecular Biology Reports*, **2020**, 47, 7505-7516	2.8	3
7	Increase Membrane Vesiculation in Essential Hypertension. *Laboratory Medicine*, **2012**, 43, 6-9	1.6	2
6	Proteomics and bioinformatics analysis reveal potential roles of cadmium-binding proteins in cadmium tolerance and accumulation of. *PeerJ*, **2019**, 7, e6904	3.1	2
5	The Identification of Functional Non-Synonymous SNP in Human ATPBinding Cassette (ABC), Subfamily Member 7 Gene: Application of Bioinformatics Tools in Biomedicine. *Journal of Bioanalysis & Biomedicine*, **2011**, 03,	1	1
4	Roles of kininogen-1, basement membrane specific heparan sulfate proteoglycan core protein, and roundabout homolog 4 as potential urinary protein biomarkers in diabetic nephropathy. *EXCLI Journal*, **2020**, 19, 872-891	2.4	1
3	Boiling, Blanching, and Stir-Frying Markedly Reduce Pesticide Residues in Vegetables. *Foods*, **2022**, 11, 1463	4.9	1
2	Nation-wide investigation of RHD variants in Thai blood donors: Impact for molecular diagnostics. *Transfusion*, **2021**, 61, 931-938	2.9	0
1	Prevalence of Thalassemia Traits and Iron Deficiency Anemia in Sindh, Pakistan. *Hemoglobin*, **2017**, 41, 157-163	0.6	

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