Kaido TÃ¤mm

List of Publications by Year
in descending order

31 papers	1,099 citations	430874 18 h-index	434195 31 g-index
33 all docs	33 docs citations	33 times ranked	1706 citing authors

#	Article	IF	Citations
1	Quantitative Measures of Solvent Polarity. Chemical Reviews, 2004, 104, 175-198.	47.7	385
2	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for in silico nanosafety assessment. Computational and Structural Biotechnology Journal, 2020, 18, 583-602.	4.1	74
3	ANAMMOX-denitrification biomass in microbial fuel cell to enhanceÂthe electricity generation and nitrogen removal efficiency. Biodegradation, 2020, 31, 249-264.	3.0	62
4	Skin Permeation Rate as a Function of Chemical Structure. Journal of Medicinal Chemistry, 2006, 49, 3305-3314.	6.4	49
5	Prediction of Cell-Penetrating Peptides Using Artificial Neural Networks. Current Computer-Aided Drug Design, 2010, 6, 79-89.	1.2	49
6	A novel role of KEAP1/PGAM5 complex: ROS sensor for inducing mitophagy. Redox Biology, 2021, 48, 102186.	9.0	36
7	Aqueous Biphasic Systems. Partitioning of Organic Molecules:â€‰ A QSPR Treatment. Journal of Chemical Information and Computer Sciences, 2004, 44, 136-142.	2.8	35
8	Macrocyclic peptidomimetics with antimicrobial activity: synthesis, bioassay, and molecular modeling studies. Organic and Biomolecular Chemistry, 2015, 13, 9492-9503.	2.8	35
9	Predicting Cytotoxicity of Metal Oxide Nanoparticles Using Isalos Analytics Platform. Nanomaterials, 2020, 10, 2017.	4.1	34
10	A Quantitative Structureâ^'Property Relationship Study of Lithium Cation Basicities. Journal of Physical Chemistry A, 2004, 108, 4812-4818.	2.5	31
11	Parametrization of nanoparticles: development of full-particle nanodescriptors. Nanoscale, 2016, 8, 16243-16250.	5.6	30
12	In Silico Design of Optimal Dissolution Kinetics of Feâ€Doped ZnO Nanoparticles Results in Cancerâ€Specific Toxicity in a Preclinical Rodent Model. Advanced Healthcare Materials, 2017, 6, 1601379.	7.6	29
13	QSPR analysis for infinite dilution activity coefficients of organic compounds. Journal of Molecular Modeling, 2006, 12, 417-421.	1.8	28
14	Can an InChI for Nano Address the Need for a Simplified Representation of Complex Nanomaterials across Experimental and Nanoinformatics Studies?. Nanomaterials, 2020, 10, 2493.	4.1	28
15	Application of the QSPR Approach to the Boiling Points of Azeotropes. Journal of Physical Chemistry A, 2011, 115, 3475-3479.	2.5	26
16	Fe-Doped ZnO nanoparticle toxicity: assessment by a new generation of nanodescriptors. Nanoscale, 2018, 10, 21985-21993.	5.6	23
17	QSAR study of pharmacological permeabilities. Arkivoc, 2009, 2009, 218-238.	0.5	20
18	Estimating the toxicities of organic chemicals in activated sludge process. Water Research, 2010, 44, 2451-2460.	11.3	18

#	Article	IF	Citations
19	NMR and DFT Study of the Copper(I)â€Catalyzed Cycloaddition Reaction: H/D Scrambling of Alkynes and Variable Reaction Order of the Catalyst. ChemCatChem, 2016, 8, 1804-1808.	3.7	18
20	Identification of several high-risk HPV inhibitors and drug targets with a novel high-throughput screening assay. PLoS Pathogens, 2017, 13, e1006168.	4.7	18
21	Fragment-Based Development of HCV Protease Inhibitors for the Treatment of Hepatitis C. Current Computer-Aided Drug Design, 2012, 8, 55-61.	1.2	13
22	Correlation of blood-brain penetration and human serum albumin binding with theoretical descriptors. Arkivoc, 2009, 2008, 38-60.	0.5	12
23	Theoretical modeling of sensitivity factors of Bayard-Alpert ionization gauges. International Journal of Mass Spectrometry, 2013, 341-342, 52-58.	1.5	11
24	Machine learning and materials modelling interpretation of in vivo toxicological response to TiO₂ nanoparticles library (UV and non-UV exposure). Nanoscale, 2021, 13, 14666-14678.	5.6	10
25	Subchronic Oral and Inhalation Toxicities: a Challenging Attempt for Modeling and Prediction. Molecular Informatics, 2013, 32, 793-801.	2.5	7
26	An Integrated Data-Driven Strategy for Safe-by-Design Nanoparticles: The FP7 MODERN Project. Advances in Experimental Medicine and Biology, 2017, 947, 257-301.	1.6	6
27	DFT study of 2,9-bis(1,2,4-triazin-3-yl)-1,10-phenanthroline (BTPhen) and its derivatives complexation with lanthanide series. Computational and Theoretical Chemistry, 2020, 1175, 112729.	2.5	5
28	Quantitative structureâ€“activity relationship modeling of bioconcentration factors of polychlorinated biphenyls. Toxicological and Environmental Chemistry, 2010, 92, 1233-1247.	1.2	4
29	Synthesis of Unprotected CH2-Skipped Piperazine-Pyridine Alternating Cycles with Azide End-Group. Heterocycles, 2015, 90, 625.	0.7	1
30	Theoretical Modeling of HPV: QSAR and Novodesign with Fragment Approach. Current Computer-Aided Drug Design, 2015, 10, 303-314.	1.2	1
31	Robust Modeling and Scaffold Hopping: Case Study Based on HIV Reverse Transcriptase Inhibitors Type-1 Data. Medicinal Chemistry, 2016, 12, 513-526.	1.5	1