Fu Chen

List of Publications by Year
in descending order

28	1,304	567281 15	477307 29
papers	citations	h-index	g-index

29	29	29	1322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessing the performance of the MM/PBSA and MM/GBSA methods. 6. Capability to predict proteinâ€“protein binding free energies and re-rank binding poses generated by proteinâ€“protein docking. Physical Chemistry Chemical Physics, 2016, 18, 22129-22139.	2.8	350
2	Assessing the performance of MM/PBSA and MM/GBSA methods. 7. Entropy effects on the performance of end-point binding free energy calculation approaches. Physical Chemistry Chemical Physics, 2018, 20, 14450-14460.	2.8	243
3	Assessing the performance of MM/PBSA and MM/GBSA methods. 9. Prediction reliability of binding affinities and binding poses for proteinâ€“peptide complexes. Physical Chemistry Chemical Physics, 2019, 21, 10135-10145.	2.8	96
4	Assessing the performance of MM/PBSA and MM/GBSA methods. 8. Predicting binding free energies and poses of proteinâ€“RNA complexes. Rna, 2018, 24, 1183-1194.	3.5	84
5	Assessing the performance of the MM/PBSA and MM/GBSA methods. 10. Impacts of enhanced sampling and variable dielectric model on proteinâ€“protein Interactions. Physical Chemistry Chemical Physics, 2019, 21, 18958-18969.	2.8	80
6	Modeling non-monotonic doseâ€“response relationships: Model evaluation and hormetic quantities exploration. Ecotoxicology and Environmental Safety, 2013, 89, 130-136.	6.0	57
7	HawkRank: a new scoring function for proteinâ€“protein docking based on weighted energy terms. Journal of Cheminformatics, 2017, 9, 66.	6.1	48
8	Antioxidant defence system is responsible for the toxicological interactions of mixtures: A case study on PFOS and PFOA in Daphnia magna. Science of the Total Environment, 2019, 667, 435-443.	8.0	48
9	Application of the combination index integrated with confidence intervals to study the toxicological interactions of antibiotics and pesticides in Vibrio qinghaiensis sp.-Q67. Environmental Toxicology and Pharmacology, 2015, 39, 447-456.	4.0	33
10	Application of the Concentration Addition Model in the Assessment of Chemical Mixture Toxicity. Acta Chimica Sinica, 2013, 71, 1335.	1.4	30
11	Prediction of luciferase inhibitors by the high-performance MIEC-GBDT approach based on interaction energetic patterns. Physical Chemistry Chemical Physics, 2017, 19, 10163-10176.	2.8	27
12	Concentration addition prediction for a multiple-component mixture containing no effect chemicals. Analytical Methods, 2015, 7, 9912-9917.	2.7	25
13	Complex toxicological interaction between ionic liquids and pesticides to Vibrio qinghaiensis sp.-Q67. RSC Advances, 2016, 6, 21012-21018.	3.6	19
14	Predicting the hormesis and toxicological interaction of mixtures by an improved inverse distance weighted interpolation. Environment International, 2019, 130, 104892.	10.0	18
15	Predicting the Time-dependent Toxicities of Three Triazine Herbicide Mixtures toV. qinghaiensissp. Q67 Using the Extended Concentration Addition Model. Acta Chimica Sinica, 2014, 72, 56.	1.4	17
16	pH affects the hormesis profiles of personal care product components on luminescence of the bacteria Vibrio qinghaiensis sp. -Q67. Science of the Total Environment, 2020, 713, 136656.	8.0	15
17	Mixture Toxicities of Three Pesticides Having Different Timeâ€Toxicity Profiles. Chinese Journal of Chemistry, 2014, 32, 545-552.	4.9	14
18	Blocking the entrance of AMP pocket results in hormetic stimulation of imidazolium-based ionic liquids to firefly luciferase. Chemosphere, 2015, 132, 108-113.	8.2	13

#	Article	IF	Citations
19	Predicting the mixture effects of three pesticides by integrating molecular simulation with concentration addition modeling. RSC Advances, 2014, 4, 32256-32262.	3.6	12
20	Hormesis of some organic solvents on Vibrio qinghaiensis sp.-Q67 from first binding to the Î² subunit of luciferase. RSC Advances, 2017, 7, 37636-37642.	3.6	12
21	Nitrifying biomass can retain its acclimation to 2,4,6-trichlorophenol. Water Research, 2020, 185, 116285.	11.3	12
22	BDE-99 Disrupts the Photoreceptor Patterning of Zebrafish Larvae via Transcription Factor six7. Environmental Science & Technology, 2022, 56, 5673-5683.	10.0	11
23	Molecular Modeling Study on the Three-dimensional Structure of the Luciferase Protein inVibrio-qinghaiensissp.-Q67. Acta Chimica Sinica, 2013, 71, 1035.	1.4	9
24	Recovery of the nitrifying ability of acclimated biomass exposed to para-nitrophenol. Science of the Total Environment, 2021, 781, 146697.	8.0	8
25	A novel method based on similarity and triangulation for predicting the toxicities of various binary mixtures. Journal of Theoretical Biology, 2019, 480, 56-64.	1.7	7
26	Improving the Efficiency of Non-equilibrium Sampling in the Aqueous Environment via Implicit-Solvent Simulations. Journal of Chemical Theory and Computation, 2017, 13, 1827-1836.	5.3	6
27	Protein Model and Function Analysis in Quorum-Sensing Pathway of Vibrio qinghaiensis sp.-Q67. Biology, 2021, 10, 638.	2.8	5
28	Bioavailable electron donors from ultrasound-treated biomass for stimulating denitrification. Journal of Environmental Management, 2019, 250, 109533.	7.8	4