Zilong Wang

List of Publications by Year
in descending order

15 papers	615 citations	1040056 9 h-index	1125743 13 g-index
15 all docs	15 docs citations	15 times ranked	938 citing authors

#	Article	IF	Citations
1	Intramolecular RET Enhanced Visible Light-Absorbing Bodipy Organic Triplet Photosensitizers and Application in Photooxidation and Triplet–Triplet Annihilation Upconversion. Journal of the American Chemical Society, 2013, 135, 10566-10578.	13.7	211
2	Long-Lived Room-Temperature Near-IR Phosphorescence of BODIPY in a Visible-Light-Harvesting N^C^N Pt^{II}–Acetylide Complex with a Directly Metalated BODIPY Chromophore. Chemistry - A European Journal, 2012, 18, 1961-1968.	3.3	140
3	Process analysis and optimization of continuous pharmaceutical manufacturing using flowsheet models. Computers and Chemical Engineering, 2017, 107, 77-91.	3.8	77
4	A novel feasibility analysis method for black-box processes using a radial basis function adaptive sampling approach. AICHE Journal, 2017, 63, 532-550.	3.6	62
5	Effect of material properties on the residence time distribution (RTD) characterization of powder blending unit operations. Part II of II: Application of models. Powder Technology, 2019, 344, 525-544.	4.2	31
6	Constrained optimization of black-box stochastic systems using a novel feasibility enhanced Kriging-based method. Computers and Chemical Engineering, 2018, 118, 210-223.	3.8	22
7	A novel and systematic approach to identify the design space of pharmaceutical processes. Computers and Chemical Engineering, 2018, 115, 309-322.	3.8	21
8	A Novel Surrogate-Based Optimization Method for Black-Box Simulation with Heteroscedastic Noise. Industrial & Engineering Chemistry Research, 2017, 56, 10720-10732.	3.7	12
9	Global sensitivity, feasibility, and flexibility analysis of continuous pharmaceutical manufacturing processes. Computer Aided Chemical Engineering, 2018, , 189-213.	0.5	9
10	Soft sensor for real-time estimation of tablet potency in continuous direct compression manufacturing operation. International Journal of Pharmaceutics, 2021, 602, 120624.	5.2	9
11	Surrogate-based feasibility analysis for black-box stochastic simulations with heteroscedastic noise. Journal of Global Optimization, 2018, 71, 957-985.	1.8	8
12	Surrogate-based Optimization for Pharmaceutical Manufacturing Processes. Computer Aided Chemical Engineering, 2017, , 2797-2802.	0.5	7
13	Moisture soft sensor for agitated pan dryers using a hybrid modeling approach. International Journal of Pharmaceutics, 2020, 586, 119518.	5.2	5
14	Applications of optimization in the pharmaceutical process development. , 2022, , 271-299.		1
15	Dimensionality reduction in feasibility analysis by latent variable modeling. Computer Aided Chemical Engineering, 2018, 44, 1477-1482.	0.5	0