

Dipl-Ing Robert Pollice

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

792
citations

759233

12
h-index

839539

18
g-index

33
all docs

33
docs citations

33
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Discovery Platform for Organophosphorus Ligands for Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 1205-1217.	13.7	97
2	Parallel tempered genetic algorithm guided by deep neural networks for inverse molecular design. , 2022, 1, 390-404.		22
3	Navigating through the Maze of Homogeneous Catalyst Design with Machine Learning. <i>Trends in Chemistry</i> , 2021, 3, 96-110.	8.5	39
4	Data-Driven Strategies for Accelerated Materials Design. <i>Accounts of Chemical Research</i> , 2021, 54, 849-860.	15.6	168
5	Organic molecules with inverted gaps between first excited singlet and triplet states and appreciable fluorescence rates. <i>Matter</i> , 2021, 4, 1654-1682.	10.0	67
6	Assigning confidence to molecular property prediction. <i>Expert Opinion on Drug Discovery</i> , 2021, 16, 1009-1023.	5.0	34
7	Beyond generative models: superfast traversal, optimization, novelty, exploration and discovery (STONED) algorithm for molecules using SELFIES. <i>Chemical Science</i> , 2021, 12, 7079-7090.	7.4	64
8	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14281-14288.	13.8	24
9	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. <i>Angewandte Chemie</i> , 2019, 131, 14419-14426.	2.0	4
10	Origin of the Immiscibility of Alkanes and Perfluoroalkanes. <i>Journal of the American Chemical Society</i> , 2019, 141, 3489-3506.	13.7	45
11	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9758-9769.	13.8	41
12	Investigations of the generality of quaternary ammonium salts as alkylating agents in direct C-H alkylation reactions: solid alternatives for gaseous olefins. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4024-4030.	2.8	10
13	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. <i>Angewandte Chemie</i> , 2019, 131, 9860-9871.	2.0	8
14	Rhodium-catalyzed direct alkylation of benzylic amines using alkyl bromides. <i>Monatshefte für Chemie</i> , 2019, 150, 127-138.	1.8	1
15	Attenuation of London Dispersion in Dichloromethane Solutions. <i>Journal of the American Chemical Society</i> , 2017, 139, 13126-13140.	13.7	93
16	Quaternary Ammonium Salts as Alkylating Reagents in C-H Activation Chemistry. <i>Organic Letters</i> , 2017, 19, 4287-4290.	4.6	24
17	Expansion of the Concept of Nonlinear Effects in Catalytic Reactions Beyond Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 2016, 22, 5637-5642.	3.3	5
18	Mechanistic and Kinetic Studies of the Direct Alkylation of Benzylic Amines: A Formal C(sp ³)-H Activation Proceeds Actually via a C(sp ²)-H Activation Pathway. <i>ACS Catalysis</i> , 2015, 5, 587-595.	11.2	17

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19	Investigations into the Kinetic Modeling of the Direct Alkylation of Benzylic Amines: Dissolution of K ₂ CO ₃ Is Responsible for the Observation of an Induction Period. <i>Journal of Organic Chemistry</i> , 2015, 80, 8268-8274.	3.2	7