Dipl-Ing Robert Pollice

List of Publications by Year
in descending order

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	Data-Driven Strategies for Accelerated Materials Design. Accounts of Chemical Research, 2021, 54, 849-860.	15.6	168
2	A Comprehensive Discovery Platform for Organophosphorus Ligands for Catalysis. Journal of the American Chemical Society, 2022, 144, 1205-1217.	13.7	97
3	Attenuation of London Dispersion in Dichloromethane Solutions. Journal of the American Chemical Society, 2017, 139, 13126-13140.	13.7	93
4	Organic molecules with inverted gaps between first excited singlet and triplet states and appreciable fluorescence rates. Matter, 2021, 4, 1654-1682.	10.0	67
5	Beyond generative models: superfast traversal, optimization, novelty, exploration and discovery (STONED) algorithm for molecules using SELFIES. Chemical Science, 2021, 12, 7079-7090.	7.4	64
6	Origin of the Immiscibility of Alkanes and Perfluoroalkanes. Journal of the American Chemical Society, 2019, 141, 3489-3506.	13.7	45
7	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. Angewandte Chemie - International Edition, 2019, 58, 9758-9769.	13.8	41
8	Navigating through the Maze of Homogeneous Catalyst Design with Machine Learning. Trends in Chemistry, 2021, 3, 96-110.	8.5	39
9	Assigning confidence to molecular property prediction. Expert Opinion on Drug Discovery, 2021, 16, 1009-1023.	5.0	34
10	Quaternary Ammonium Salts as Alkylating Reagents in C–H Activation Chemistry. Organic Letters, 2017, 19, 4287-4290.	4.6	24
11	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. Angewandte Chemie - International Edition, 2019, 58, 14281-14288.	13.8	24
12	Parallel tempered genetic algorithm guided by deep neural networks for inverse molecular design. , 2022, 1, 390-404.		22
13	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. ACS Catalysis, 2015, 5, 587-595.	11.2	17
14	Investigations of the generality of quaternary ammonium salts as alkylating agents in direct C–H alkylation reactions: solid alternatives for gaseous olefins. Organic and Biomolecular Chemistry, 2019, 17, 4024-4030.	2.8	10
15	A Universal Quantitative Descriptor of the Dispersion Interaction Potential. Angewandte Chemie, 2019, 131, 9860-9871.	2.0	8
16	Investigations into the Kinetic Modeling of the Direct Alkylation of Benzylic Amines: Dissolution of K2CO3 Is Responsible for the Observation of an Induction Period. Journal of Organic Chemistry, 2015, 80, 8268-8274.	3.2	7
17	Expansion of the Concept of Nonlinear Effects in Catalytic Reactions Beyond Asymmetric Catalysis. Chemistry - A European Journal, 2016, 22, 5637-5642.	3.3	5
18	Compensation of London Dispersion in the Gas Phase and in Aprotic Solvents. Angewandte Chemie, 2019, 131, 14419-14426.	2.0	4

#	Article	IF	Citations
19	Rhodium-catalyzed direct alkylation of benzylic amines using alkyl bromides. Monatshefte Fär Chemie, 2019, 150, 127-138.	1.8	1