Yeonjoon Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4686328/publications.pdf

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20	653	687363 13	713466 21
papers	citations	h-index	g-index

22	22	22	817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of organic homolytic bond dissociation enthalpies at near chemical accuracy with sub-second computational cost. Nature Communications, 2020, 11, 2328.	12.8	128
2	Efficient prediction of reaction paths through molecular graph and reaction network analysis. Chemical Science, 2018, 9, 825-835.	7.4	82
3	Poly(amide-imide) materials for transparent and flexible displays. Science Advances, 2018, 4, eaau1956.	10.3	57
4	Quantum chemical calculations for over 200,000 organic radical species and 40,000 associated closed-shell molecules. Scientific Data, 2020, 7, 244.	5.3	49
5	Efficient Basin-Hopping Sampling of Reaction Intermediates through Molecular Fragmentation and Graph Theory. Journal of Chemical Theory and Computation, 2014, 10, 2419-2426.	5.3	46
6	Prediction of Hydroxymethylfurfural Yield in Glucose Conversion through Investigation of Lewis Acid and Organic Solvent Effects. ACS Catalysis, 2020, 10, 14707-14721.	11.2	41
7	Computational searching for new stable graphyne structures and their electronic properties. Carbon, 2016, 98, 404-410.	10.3	37
8	Universal Structure Conversion Method for Organic Molecules: From Atomic Connectivity to Threeâ€Dimensional Geometry. Bulletin of the Korean Chemical Society, 2015, 36, 1769-1777.	1.9	36
9	Feasibility of Activation Energy Prediction of Gasâ€Phase Reactions by Machine Learning. Chemistry - A European Journal, 2018, 24, 12354-12358.	3.3	35
10	Bicyclic Bridgehead Phosphoramidite (Briphos) Ligands with Tunable Ï€-Acceptor Ability and Catalytic Activity in the Rhodium-Catalyzed Conjugate Additions. Organic Letters, 2014, 16, 5490-5493.	4.6	32
11	Ga/ZSM-5 catalyst improves hydrocarbon yields and increases alkene selectivity during catalytic fast pyrolysis of biomass with co-fed hydrogen. Green Chemistry, 2020, 22, 2403-2418.	9.0	26
12	A perspective on biomass-derived biofuels: From catalyst design principles to fuel properties. Journal of Hazardous Materials, 2020, 400, 123198.	12.4	23
13	Isotopic Studies for Tracking Biogenic Carbon during Co-processing of Biomass and Vacuum Gas Oil. ACS Sustainable Chemistry and Engineering, 2020, 8, 2652-2664.	6.7	14
14	Performance of ACE-Reaction on 26 Organic Reactions for Fully Automated Reaction Network Construction and Microkinetic Analysis. Journal of Physical Chemistry A, 2019, 123, 4796-4805.	2.5	11
15	Investigation of structural effects of aromatic compounds on sooting tendency with mechanistic insight into ethylphenol isomers. Proceedings of the Combustion Institute, 2021, 38, 1143-1151.	3.9	10
16	Understanding how chemical structure affects ignition-delay-time <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mi>Ï•</mml:mi></mml:math>-sensitivity. Combustion and Flame, 2021, 225, 377-387.	5.2	7
17	Graph theory-based reaction pathway searches and DFT calculations for the mechanism studies of free radical-initiated peptide sequencing mass spectrometry (FRIPS MS): a model gas-phase reaction of GGR tri-peptide. Physical Chemistry Chemical Physics, 2020, 22, 5057-5069.	2.8	5
18	Enhancing the Activity of Platinumâ€Based Nanocrystal Catalysts for Organic Synthesis through Electronic Structure Modification. ChemCatChem, 2016, 8, 2450-2454.	3.7	3

#	Article	IF	Citations
19	Predicting Catalytic Pyrolysis Aromatic Selectivity from Pyrolysis Vapor Composition Using Mass Spectra Coupled with Statistical Analysis. ACS Sustainable Chemistry and Engineering, 2022, 10, 234-244.	6.7	3
20	Efficient structural elucidation of microhydrated biomolecules through the interrogation of hydrogen bond networks. Physical Chemistry Chemical Physics, 2018, 20, 8185-8191.	2.8	2