

Dong Yeon Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1340086/publications.pdf>

Version: 2024-02-01

21
papers

1,640
citations

687363

13
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2026
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicomponent electrocatalyst with ultralow Pt loading and high hydrogen evolution activity. <i>Nature Energy</i> , 2018, 3, 773-782.	39.5	542
2	High-performance Hydrogen Evolution by Ru Single Atoms and Nitrided Ru Nanoparticles Implanted on N-Doped Graphitic Sheet. <i>Advanced Energy Materials</i> , 2019, 9, 1900931.	19.5	224
3	Tuning metal single atoms embedded in N _x C _y moieties toward high-performance electrocatalysis. <i>Energy and Environmental Science</i> , 2021, 14, 3455-3468.	30.8	176
4	Ruthenium Core-Shell Engineering with Nickel Single Atoms for Selective Oxygen Evolution via Nondestructive Mechanism. <i>Advanced Energy Materials</i> , 2021, 11, 2003448.	19.5	124
5	Superb water splitting activity of the electrocatalyst Fe ₃ Co(PO ₄) ₄ designed with computation aid. <i>Nature Communications</i> , 2019, 10, 5195.	12.8	120
6	Immiscible bi-metal single-atoms driven synthesis of electrocatalysts having superb mass-activity and durability. <i>Applied Catalysis B: Environmental</i> , 2020, 270, 118896.	20.2	102
7	Machine Learning for Predicting the Band Gaps of ABX ₃ Perovskites from Elemental Properties. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8905-8918.	3.1	99
8	Al-Doping Driven Suppression of Capacity and Voltage Fadings in 4d-Element Containing Li-Ion Battery Cathode Materials: Machine Learning and Density Functional Theory. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
9	An ultra-sensitive, flexible and transparent gas detection film based on well-ordered flat polypyrrole on single-layered graphene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2257-2263.	10.3	33
10	Halogen-π Interactions between Benzene and X ₂ /CX ₄ (X = Cl, Br): Assessment of Various Density Functionals with Respect to CCSD(T). <i>Journal of Physical Chemistry A</i> , 2016, 120, 9305-9314.	2.5	32
11	A universal screening strategy for the accelerated design of superior oxygen evolution/reduction electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2021, 9, 3511-3519.	10.3	21
12	Size-dependent conformational change in halogen-π interaction: from benzene to graphene. <i>Chemical Communications</i> , 2017, 53, 6140-6143.	4.1	19
13	Adsorption of Carbon Tetrahalides on Coronene and Graphene. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14968-14974.	3.1	11
14	Thermal radical initiator derivatives based on O-imino-isourea: Synthesis, polymerization, and characterization. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3593-3600.	2.3	10
15	Rational design of metal-ligands for the conversion of CH ₄ and CO ₂ to acetates: role of acids and Lewis acids. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14671-14679.	10.3	7
16	Band Gap Narrowing of Zinc Orthogermanate by Dimensional and Defect Modification. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14573-14581.	3.1	6
17	Alkali-Metal-Mediated Reversible Chemical Hydrogen Storage Using Seawater. <i>Jacs Au</i> , 2021, 1, 2339-2348.	7.9	6
18	Synthesis and radical polymerization properties of thermal radical initiators based on O-imino-isourea: The effect of the alkyl side chain on the radical initiation temperature. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1749-1756.	2.3	5

#	ARTICLE	IF	CITATIONS
19	Quantum Monte Carlo Study of the Water Dimer Binding Energy and Halogen-H ₂ O Interactions. Journal of Physical Chemistry A, 2019, 123, 7785-7791.	2.5	5
20	Anisotropic and amphoteric characteristics of diverse carbenes. Physical Chemistry Chemical Physics, 2018, 20, 13722-13733.	2.8	4
21	Facile room-temperature self-assembly of extended cation-free guanine-quartet network on Mo-doped Au(111) surface. Nanoscale Advances, 2021, 3, 3867-3874.	4.6	2