

Joonhee Moon

List of Publications by Year in descending order

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24
papers

1,490
citations

394421

19
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580821

25
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27
all docs

27
docs citations

27
times ranked

3031
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Conformational Change of a Single Organic Molecule for Ultrafast Rechargeable Batteries. ACS Energy Letters, 2021, 6, 1659-1669.	17.4	15
2	Nitrogen-Doped Graphene Quantum Dots: Sulfiphilic Additives for the High-Performance Li ⁺ S Cells. ACS Applied Energy Materials, 2021, 4, 3518-3525.	5.1	21
3	Graphene Quantum Dots from Carbonized Coffee Bean Wastes for Biomedical Applications. Nanomaterials, 2021, 11, 1423.	4.1	27
4	Ultrahigh-strength multi-layer graphene-coated Ni film with interface-induced hardening. Carbon, 2021, 178, 497-505.	10.3	18
5	Effects of Photochemical Oxidation of the Carbonaceous Additives on Li ⁺ S Cell Performance. ACS Applied Materials & Interfaces, 2021, 13, 41517-41523.	8.0	3
6	The synergistic effect of nitrogen and fluorine co-doping in graphene quantum dot catalysts for full water splitting and supercapacitor. Applied Surface Science, 2020, 507, 145157.	6.1	68
7	<i>Operando</i> Stability of Platinum Electrocatalysts in Ammonia Oxidation Reactions. ACS Catalysis, 2020, 10, 11674-11684.	11.2	36
8	A highly efficient and stable organic additive for the positive electrolyte in vanadium redox flow batteries: taurine biomolecules containing NH_2 and SO_3H functional groups. Journal of Materials Chemistry A, 2018, 6, 4695-4705.	10.3	33
9	Photo-Assisted Hydrogen Evolution with Reduced Graphene Oxide Catalyst on Silicon Nanowire Photocathode. Applied Sciences (Switzerland), 2018, 8, 2046.	2.5	20
10	Hierarchical carbon-silicon nanowire heterostructures for the hydrogen evolution reaction. Nanoscale, 2018, 10, 13936-13941.	5.6	20
11	Double-Layer Graphene Outperforming Monolayer as Catalyst on Silicon Photocathode for Hydrogen Production. ACS Applied Materials & Interfaces, 2017, 9, 3570-3580.	8.0	20
12	Smart Contact Lenses with Graphene Coating for Electromagnetic Interference Shielding and Dehydration Protection. ACS Nano, 2017, 11, 5318-5324.	14.6	202
13	Graphene quantum dots: structural integrity and oxygen functional groups for high sulfur/sulfide utilization in lithium sulfur batteries. NPG Asia Materials, 2016, 8, e272-e272.	7.9	105
14	Strain Relaxation of Graphene Layers by Cu Surface Roughening. Nano Letters, 2016, 16, 5993-5998.	9.1	59
15	N-doped graphene quantum sheets on silicon nanowire photocathodes for hydrogen production. Energy and Environmental Science, 2015, 8, 1329-1338.	30.8	136
16	An electrochemical approach to graphene oxide coated sulfur for long cycle life. Nanoscale, 2015, 7, 13249-13255.	5.6	20
17	Stable n-type doping of graphene via high-molecular-weight ethylene amines. Physical Chemistry Chemical Physics, 2015, 17, 29492-29495.	2.8	40
18	One-Step Synthesis of N-doped Graphene Quantum Sheets from Monolayer Graphene by Nitrogen Plasma. Advanced Materials, 2014, 26, 3501-3505.	21.0	109

#	ARTICLE	IF	CITATIONS
19	N-doped monolayer graphene catalyst on silicon photocathode for hydrogen production. Energy and Environmental Science, 2013, 6, 3658.	30.8	134
20	The effect of TiCl ₄ -treated TiO ₂ compact layer on the performance of dye-sensitized solar cell. Current Applied Physics, 2012, 12, 737-741.	2.4	144
21	The effects of 100-nm-diameter Au nanoparticles on dye-sensitized solar cells. Applied Physics Letters, 2011, 99, 253107.	3.3	83
22	The effect of a blocking layer on the photovoltaic performance in CdS quantum-dot-sensitized solar cells. Journal of Power Sources, 2011, 196, 10526-10531.	7.8	111
23	Raman spectroscopic study of. Solid State Communications, 2008, 145, 487-492.	1.9	28
24	High-temperature phase transformations in LiH ₂ PO ₄ and possible solid-state polymerization. Solid State Communications, 2008, 147, 74-77.	1.9	25