Joonhee Moon

List of Publications by Year
in descending order

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24 papers	1,490 citations	394421 19 h-index	580821 25 g-index
27 all docs	27 docs citations	27 times ranked	3031 citing authors

#	Article	IF	Citations
1	Smart Contact Lenses with Graphene Coating for Electromagnetic Interference Shielding and Dehydration Protection. ACS Nano, 2017, 11, 5318-5324.	14.6	202
2	The effect of TiCl4-treated TiO2 compact layer on the performance of dye-sensitized solar cell. Current Applied Physics, 2012, 12, 737-741.	2.4	144
3	N-doped graphene quantum sheets on silicon nanowire photocathodes for hydrogen production. Energy and Environmental Science, 2015, 8, 1329-1338.	30.8	136
4	N-doped monolayer graphene catalyst on silicon photocathode for hydrogen production. Energy and Environmental Science, 2013, 6, 3658.	30.8	134
5	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
6	Oneâ€Step Synthesis of Nâ€doped Graphene Quantum Sheets from Monolayer Graphene by Nitrogen Plasma. Advanced Materials, 2014, 26, 3501-3505.	21.0	109
7	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
8	The effects of 100â€‰nm-diameter Au nanoparticles on dye-sensitized solar cells. Applied Physics Letters, 2011, 99, 253107.	3.3	83
9	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
10	Strain Relaxation of Graphene Layers by Cu Surface Roughening. Nano Letters, 2016, 16, 5993-5998.	9.1	59
11	Stable n-type doping of graphene via high-molecular-weight ethylene amines. Physical Chemistry Chemical Physics, 2015, 17, 29492-29495.	2.8	40
12	Operando Stability of Platinum Electrocatalysts in Ammonia Oxidation Reactions. ACS Catalysis, 2020, 10, 11674-11684.	11.2	36
13	A highly efficient and stable organic additive for the positive electrolyte in vanadium redox flow batteries: taurine biomolecules containing â€“NH₂and â€“SO₃H functional groups. Journal of Materials Chemistry A, 2018, 6, 4695-4705.	10.3	33
14	Raman spectroscopic study of. Solid State Communications, 2008, 145, 487-492.	1.9	28
15	Graphene Quantum Dots from Carbonized Coffee Bean Wastes for Biomedical Applications. Nanomaterials, 2021, 11, 1423.	4.1	27
16	High-temperature phase transformations in LiH2PO4 and possible solid-state polymerization. Solid State Communications, 2008, 147, 74-77.	1.9	25
17	Nitrogen-Doped Graphene Quantum Dots: Sulfiphilic Additives for the High-Performance Liâ€“S Cells. ACS Applied Energy Materials, 2021, 4, 3518-3525.	5.1	21
18	An electrochemical approach to graphene oxide coated sulfur for long cycle life. Nanoscale, 2015, 7, 13249-13255.	5.6	20

#	Article	IF	Citations
19	Double-Layer Graphene Outperforming Monolayer as Catalyst on Silicon Photocathode for Hydrogen Production. ACS Applied Materials & Interfaces, 2017, 9, 3570-3580.	8.0	20
20	Photo-Assisted Hydrogen Evolution with Reduced Graphene Oxide Catalyst on Silicon Nanowire Photocathode. Applied Sciences (Switzerland), 2018, 8, 2046.	2.5	20
21	Hierarchical carbonâ€“silicon nanowire heterostructures for the hydrogen evolution reaction. Nanoscale, 2018, 10, 13936-13941.	5.6	20
22	Ultrahigh-strength multi-layer graphene-coated Ni film with interface-induced hardening. Carbon, 2021, 178, 497-505.	10.3	18
23	Cooperative Conformational Change of a Single Organic Molecule for Ultrafast Rechargeable Batteries. ACS Energy Letters, 2021, 6, 1659-1669.	17.4	15
24	Effects of Photochemical Oxidation of the Carbonaceous Additives on Liâ€“S Cell Performance. ACS Applied Materials & Interfaces, 2021, 13, 41517-41523.	8.0	3