

Joun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,748
citations

361413

20
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

4775
citing authors

#	ARTICLE	IF	CITATIONS
1	An autonomous photosynthetic device in which all charge carriers derive from surface plasmons. <i>Nature Nanotechnology</i> , 2013, 8, 247-251.	31.5	1,050
2	Plasmonic Photoanodes for Solar Water Splitting with Visible Light. <i>Nano Letters</i> , 2012, 12, 5014-5019.	9.1	491
3	Plasmonic Photosensitization of a Wide Band Gap Semiconductor: Converting Plasmons to Charge Carriers. <i>Nano Letters</i> , 2011, 11, 5548-5552.	9.1	385
4	On the Plasmonic Photovoltaic. <i>ACS Nano</i> , 2014, 8, 6066-6073.	14.6	152
5	Panchromatic Photoproduction of H ₂ with Surface Plasmons. <i>Nano Letters</i> , 2015, 15, 2132-2136.	9.1	80
6	Dual-reporter SERS-based biomolecular assay with reduced false-positive signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9056-9061.	7.1	67
7	Hot Carrier Filtering in Solution Processed Heterostructures: A Paradigm for Improving Thermoelectric Efficiency. <i>Advanced Materials</i> , 2014, 26, 2755-2761.	21.0	58
8	Activity of glucose oxidase entrapped in mesoporous gels. <i>Biochemical Engineering Journal</i> , 2005, 22, 161-166.	3.6	49
9	Pyrrrole modified biomass derived hierarchical porous carbon as high performance symmetrical supercapacitor electrodes. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 13109-13115.	7.1	38
10	Selective and Rapid Room Temperature Detection of H ₂ S Using Gold Nanoparticle Chain Arrays. <i>Electroanalysis</i> , 2011, 23, 2623-2628.	2.9	32
11	Stabilizing inorganic photoelectrodes for efficient solar-to-chemical energy conversion. <i>Energy and Environmental Science</i> , 2013, 6, 1633.	30.8	32
12	Plasmon-Mediated Photocatalytic Decomposition of Formic Acid on Palladium Nanostructures. <i>Advanced Optical Materials</i> , 2016, 4, 1041-1046.	7.3	32
13	High-Efficiency Panchromatic Hybrid Schottky Solar Cells. <i>Advanced Materials</i> , 2013, 25, 256-260.	21.0	29
14	Earth-Abundant Tin Sulfide-Based Photocathodes for Solar Hydrogen Production. <i>Advanced Science</i> , 2018, 5, 1700362.	11.2	29
15	Investigation of shape controlled silver nanoplates by a solvothermal process. <i>Journal of Colloid and Interface Science</i> , 2010, 342, 8-17.	9.4	28
16	Low-Loading of Pt Nanoparticles on 3D Carbon Foam Support for Highly Active and Stable Hydrogen Production. <i>Frontiers in Chemistry</i> , 2018, 6, 523.	3.6	26
17	DNA Assisted Assembly of Multisegmented Nanowires. <i>Electroanalysis</i> , 2007, 19, 2287-2293.	2.9	25
18	Synthesis of Chemicals Using Solar Energy with Stable Photoelectrochemically Active Heterostructures. <i>Nano Letters</i> , 2013, 13, 2110-2115.	9.1	25

#	ARTICLE	IF	CITATIONS
19	Controlled assembly of multi-segment nanowires by histidine-tagged peptides. <i>Nanotechnology</i> , 2006, 17, 3375-3379.	2.6	23
20	Nitrogen-modified biomass-derived cheese-like porous carbon for electric double layer capacitors. <i>RSC Advances</i> , 2016, 6, 26738-26744.	3.6	22
21	Stable electrocatalysts for autonomous photoelectrolysis of hydrobromic acid using single-junction solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 978-981.	30.8	17
22	Gene-Activated Titanium Surfaces Promote In Vitro Osteogenesis. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, e83-e96.	1.4	17
23	Solid Suspension Flow Batteries Using Earth Abundant Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1759-1765.	8.0	16
24	Template-free synthesis of vertically oriented tellurium nanowires via a galvanic displacement reaction. <i>Electrochimica Acta</i> , 2013, 111, 200-205.	5.2	13
25	Synthesis of gold nanostructures using glycine as the reducing agent. <i>Nanotechnology</i> , 2020, 31, 455601.	2.6	6
26	Structural evolution of Ag@Au nanoplates by pH controlled galvanic displacement. <i>Current Applied Physics</i> , 2012, 12, S53-S58.	2.4	5
27	Reply to "Comment on High-Efficiency Panchromatic Hybrid Schottky Solar Cells". <i>Advanced Materials</i> , 2013, 25, 4826-4827.	21.0	1