

Alireza Kargar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,447
citations

516710

16
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794594

19
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21
all docs

21
docs citations

21
times ranked

2778
citing authors

#	ARTICLE	IF	CITATIONS
1	GaP/GaNp Heterojunctions for Efficient Solar-Driven Water Oxidation. <i>Small</i> , 2017, 13, 1603574.	10.0	11
2	High-performance flexible hydrogen sensor made of WS ₂ /nanosheet-Pd nanoparticle composite film. <i>Nanotechnology</i> , 2016, 27, 195501.	2.6	78
3	Nanowire/nanotube array tandem cells for overall solar neutral water splitting. <i>Nano Energy</i> , 2016, 19, 289-296.	16.0	30
4	NiO _x -Fe ₂ O ₃ -coated p-Si photocathodes for enhanced solar water splitting in neutral pH water. <i>Nanoscale</i> , 2015, 7, 4900-4905.	5.6	17
5	High-Performance <i>a</i> -Si/c-Si Heterojunction Photoelectrodes for Photoelectrochemical Oxygen and Hydrogen Evolution. <i>Nano Letters</i> , 2015, 15, 2817-2824.	9.1	89
6	Atomic Scale Analysis of the Enhanced Electro- and Photo-Catalytic Activity in High-Index Faceted Porous NiO Nanowires. <i>Scientific Reports</i> , 2015, 5, 8557.	3.3	12
7	Solution-Processed CoFe ₂ O ₄ Nanoparticles on 3D Carbon Fiber Papers for Durable Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17851-17856.	8.0	126
8	MoS ₂ Nanosheet-Pd Nanoparticle Composite for Highly Sensitive Room Temperature Detection of Hydrogen. <i>Advanced Science</i> , 2015, 2, 1500004.	11.2	123
9	p-Si/SnO ₂ /Fe ₂ O ₃ Core/Shell/Shell Nanowire Photocathodes for Neutral pH Water Splitting. <i>Advanced Functional Materials</i> , 2015, 25, 2609-2615.	14.9	47
10	Tandem structured spectrally selective coating layer of copper oxide nanowires combined with cobalt oxide nanoparticles. <i>Nano Energy</i> , 2015, 11, 247-259.	16.0	30
11	In-situ TEM Observation of Electrochemical Cycling of a Si/TiO ₂ Composite NW. <i>Microscopy and Microanalysis</i> , 2014, 20, 454-455.	0.4	0
12	Plasmonic tuning of aluminum doped zinc oxide nanostructures by atomic layer deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 948-952.	2.4	25
13	Solution-grown 3D Cu ₂ O networks for efficient solar water splitting. <i>Nanotechnology</i> , 2014, 25, 205401.	2.6	48
14	ZnO/CuO Heterojunction Branched Nanowires for Photoelectrochemical Hydrogen Generation. <i>ACS Nano</i> , 2013, 7, 11112-11120.	14.6	275
15	3D Branched Nanowire Photoelectrochemical Electrodes for Efficient Solar Water Splitting. <i>ACS Nano</i> , 2013, 7, 9407-9415.	14.6	132
16	Three-dimensional ZnO/Si broom-like nanowire heterostructures as photoelectrochemical anodes for solar energy conversion. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2561-2568.	1.8	9
17	Tailoring n-ZnO/p-Si Branched Nanowire Heterostructures for Selective Photoelectrochemical Water Oxidation or Reduction. <i>Nano Letters</i> , 2013, 13, 3017-3022.	9.1	141
18	3D branched nanowire heterojunction photoelectrodes for high-efficiency solar water splitting and H ₂ generation. <i>Nanoscale</i> , 2012, 4, 1515.	5.6	167

#	ARTICLE	IF	CITATIONS
19	Design and optimization of waveguide sensitivity in slot microring sensors. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 596.	1.5	42
20	Compound Semiconductor Nanowire Solar Cells. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1033-1049.	2.9	45
21	3D Branched Nanowire Photoelectrodes for High Efficiency Solar Water Splitting and Hydrogen Production. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2011, 2011, 000084-000090.	0.2	0