

Heli Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11283164/publications.pdf>

Version: 2024-02-01

40
papers

3,296
citations

218381

26
h-index

301761

39
g-index

49
all docs

49
docs citations

49
times ranked

4468
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of SS316L bipolar plates in simulated fuel cell environment: Corrosion rate, barrier film formation kinetics and contact resistance. <i>Journal of Power Sources</i> , 2015, 273, 1237-1249.	4.0	69
2	Evaluating the Influence of PEMFC System Contaminants on the Performance of Pt Catalyst via Cyclic Voltammetry. <i>Electrocatalysis</i> , 2014, 5, 62-67.	1.5	16
3	Photoelectrochemical reduction of nitrates at the illuminated p-GaN ₂ photoelectrode. <i>Energy and Environmental Science</i> , 2013, 6, 1802-1805.	15.6	18
4	Technical and economic feasibility of centralized facilities for solar hydrogen production via photocatalysis and photoelectrochemistry. <i>Energy and Environmental Science</i> , 2013, 6, 1983.	15.6	1,119
5	ZnO:GaN thin films for photoelectrochemical water splitting application. <i>Emerging Materials Research</i> , 2012, 1, 201-204.	0.4	6
6	Synthesis and Characterization of Magnesium-Alloyed Hematite Thin Films. <i>Journal of Electronic Materials</i> , 2012, 41, 3100-3106.	1.0	7
7	Enhancing the Stability of CuO Thin-Film Photoelectrodes by Ti Alloying. <i>Journal of Electronic Materials</i> , 2012, 41, 3062-3067.	1.0	30
8	Titanium and magnesium Co-alloyed hematite thin films for photoelectrochemical water splitting. <i>Journal of Applied Physics</i> , 2012, 111, 073502.	1.1	30
9	Influence of Gas Flow Rate for Formation of Aligned Nanorods in ZnO Thin Films for Solar-Driven Hydrogen Production. <i>Jom</i> , 2012, 64, 526-530.	0.9	1
10	Synthesis and characterization of titanium-alloyed hematite thin films for photoelectrochemical water splitting. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	28
11	Modifying a stainless steel via electrochemical nitridation. <i>Journal of Materials Chemistry</i> , 2011, 21, 2064.	6.7	17
12	Electrochemical nitridation of a stainless steel for PEMFC bipolar plates. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13008-13013.	3.8	35
13	Effect of substrate temperature on the photoelectrochemical responses of Ga and N co-doped ZnO films. <i>Journal of Materials Science</i> , 2010, 45, 5218-5222.	1.7	17
14	Influence of gas ambient on the synthesis of co-doped ZnO:(Al,N) films for photoelectrochemical water splitting. <i>Journal of Power Sources</i> , 2010, 195, 5801-5805.	4.0	47
15	Amorphous copper tungsten oxide with tunable band gaps. <i>Journal of Applied Physics</i> , 2010, 108, 043502.	1.1	14
16	Synthesis and characterization of band gap-reduced ZnO:N and ZnO:(Al,N) films for photoelectrochemical water splitting. <i>Journal of Materials Research</i> , 2010, 25, 69-75.	1.2	56
17	Plasma Nitrided Type 349 Stainless Steel for Polymer Electrolyte Membrane Fuel Cell Bipolar Plate—Part I: Nitrided in Nitrogen Plasma. <i>Journal of Fuel Cell Science and Technology</i> , 2010, 7, .	0.8	7
18	Plasma Nitrided Type 349 Stainless Steel for Polymer Electrolyte Membrane Fuel Cell Bipolar Plate—Part II: Nitrided in Ammonia Plasma. <i>Journal of Fuel Cell Science and Technology</i> , 2010, 7, .	0.8	4

#	ARTICLE	IF	CITATIONS
19	Characterization of Hematite Thin Films for Photoelectrochemical Water Splitting in a Dual Photoelectrode Device. <i>Journal of the Electrochemical Society</i> , 2010, 157, F173.	1.3	49
20	Electrochemical deposition of copper oxide nanowires for photoelectrochemical applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 6962.	6.7	91
21	Photoelectrochemistry of Hematite Thin Films. <i>ECS Meeting Abstracts</i> , 2009, , .	0.0	0
22	CoAl ₂ O ₄ –Fe ₂ O ₃ p-n nanocomposite electrodes for photoelectrochemical cells. <i>Applied Physics Letters</i> , 2009, 95, 022116.	1.5	32
23	Ternary cobalt spinel oxides for solar driven hydrogen production: Theory and experiment. <i>Energy and Environmental Science</i> , 2009, 2, 774.	15.6	60
24	(Photo)electrochemical Characterization of Doped ZnO Electrodes. <i>ECS Meeting Abstracts</i> , 2009, , .	0.0	0
25	Anodic behavior of high nitrogen-bearing steels in PEMFC environments. <i>Journal of Power Sources</i> , 2008, 180, 791-796.	4.0	30
26	Process modification for coating SnO ₂ :F on stainless steels for PEM fuel cell bipolar plates. <i>Journal of Power Sources</i> , 2008, 178, 238-247.	4.0	36
27	Austenitic stainless steels in high temperature phosphoric acid. <i>Journal of Power Sources</i> , 2008, 180, 803-807.	4.0	37
28	The influence of metal ions on the conductivity of Nafion 112 in polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , 2008, 183, 576-580.	4.0	37
29	Direct Water Splitting under Visible Light with Nanostructured Hematite and WO ₃ Photoanodes and a GaInP ₂ Photocathode. <i>Journal of the Electrochemical Society</i> , 2008, 155, F91.	1.3	121
30	Investigating the Use of Stamped Metal Foils as Bipolar Plates in PEM Fuel Cell Stacks. , 2008, , .		0
31	Photoelectrochemistry of tin-doped iron oxide electrodes. <i>Solar Energy</i> , 2007, 81, 1369-1376.	2.9	91
32	SnO ₂ :F coated austenite stainless steels for PEM fuel cell bipolar plates. <i>Journal of Power Sources</i> , 2007, 171, 567-574.	4.0	46
33	SnO ₂ :F coated ferritic stainless steels for PEM fuel cell bipolar plates. <i>Journal of Power Sources</i> , 2007, 170, 387-394.	4.0	52
34	Photoelectrochemistry of semiconductor electrodes made of solid solutions in the system Fe ₂ O ₃ –Nb ₂ O ₅ . <i>Solar Energy</i> , 2006, 80, 1098-1111.	2.9	61
35	Investigation of a Duplex Stainless Steel as Polymer Electrolyte Membrane Fuel Cell Bipolar Plate Material. <i>Journal of the Electrochemical Society</i> , 2005, 152, B99.	1.3	102
36	Ferritic stainless steels as bipolar plate material for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2004, 128, 193-200.	4.0	249

#	ARTICLE	IF	CITATIONS
37	Nitride Metallic Bipolar Plates for Proton Exchange Membrane Fuel Cells. , 2004, , 437.		2
38	Aqueous photoelectrochemistry of hematite nanorod array. Solar Energy Materials and Solar Cells, 2002, 71, 231-243.	3.0	281
39	Electrochemical Investigation of Traps in a Nanostructured TiO ₂ Film. Journal of Physical Chemistry B, 2001, 105, 2529-2533.	1.2	177
40	Photoelectrochemistry of Nanostructured WO ₃ Thin Film Electrodes for Water Oxidation:Â Mechanism of Electron Transport. Journal of Physical Chemistry B, 2000, 104, 5686-5696.	1.2	213