

Hongxia Li

List of Publications by Year in descending order

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55
papers

1,213
citations

430754

18
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55
all docs

55
docs citations

55
times ranked

1660
citing authors

#	ARTICLE	IF	CITATIONS
1	Sol-gel preparation of transparent zinc oxide films with highly preferential crystal orientation. Vacuum, 2004, 77, 57-62.	1.6	173
2	Zinc oxide films prepared by sol-gel method. Journal of Crystal Growth, 2005, 275, e943-e946.	0.7	104
3	Effects of nano-additive TiO ₂ on performance of micro-arc oxidation coatings formed on 6063 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2013, 23, 406-411.	1.7	81
4	Surface-Plasmon-Resonance-Enhanced Photoelectrochemical Water Splitting from Au-Nanoparticle-Decorated 3D TiO ₂ Nanorod Architectures. Journal of Physical Chemistry C, 2017, 121, 12071-12079.	1.5	72
5	Piezotronic-Enhanced Photoelectrochemical Reactions in Ni(OH) ₂ -Decorated ZnO Photoanodes. Journal of Physical Chemistry Letters, 2015, 6, 3410-3416.	2.1	67
6	The thermal and optical properties of BaWO ₄ single crystal. Journal of Crystal Growth, 2005, 276, 208-214.	0.7	47
7	Ferroelectric enhanced photoelectrochemical water splitting in BiFeO ₃ /TiO ₂ composite photoanode. Journal of Alloys and Compounds, 2019, 783, 643-651.	2.8	46
8	Reduced TiO ₂ nanoflower structured photoanodes for superior photoelectrochemical water splitting. Journal of Alloys and Compounds, 2017, 724, 280-286.	2.8	44
9	Multiscale collaborative coupling of wood-derived porous carbon modified by three-dimensional conductive magnetic networks for electromagnetic interference shielding. Composites Part B: Engineering, 2021, 224, 109169.	5.9	42
10	Bidirectional threshold switching characteristics in Ag/ZrO ₂ /Pt electrochemical metallization cells. AIP Advances, 2016, 6, .	0.6	36
11	MoS ₂ nanosheet/ZnO nanowire hybrid nanostructures for photoelectrochemical water splitting. Journal of the American Ceramic Society, 2018, 101, 3989-3996.	1.9	32
12	Influence of annealing on ZnO films grown by metal-organic chemical vapor deposition. Materials Letters, 2004, 58, 3630-3633.	1.3	29
13	Cu nanoparticles hybridized with ZnO thin film for enhanced photoelectrochemical oxygen evolution. Journal of Alloys and Compounds, 2018, 768, 830-837.	2.8	28
14	Improvement of resistive switching in ZnO film by Ti doping. Thin Solid Films, 2013, 537, 279-284.	0.8	26
15	Mixed 3D/2D dimensional TiO ₂ nanoflowers/MoSe ₂ nanosheets for enhanced photoelectrochemical hydrogen generation. Journal of the American Ceramic Society, 2020, 103, 1187-1196.	1.9	24
16	Controllable volatile to nonvolatile resistive switching conversion and conductive filaments engineering in Cu/ZrO ₂ /Pt devices. Journal Physics D: Applied Physics, 2016, 49, 445105.	1.3	23
17	The promising photoanode of Pt coupled TiO ₂ NFs/CdS QDs with enhanced photoelectrochemical performance. Journal of Alloys and Compounds, 2019, 790, 900-908.	2.8	23
18	Soft Magnetic Properties of Gas-Atomized FeSiAl Microparticles with a Triple Phosphoric Acid-Sodium Silicate-Silicone Resin Insulation Treatment. Journal of Electronic Materials, 2022, 51, 2142-2155.	1.0	21

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19	3D flowerlike TiO ₂ /GO and TiO ₂ /MoS ₂ heterostructures with enhanced photoelectrochemical water splitting. <i>Journal of Materials Science</i> , 2018, 53, 7609-7620.	1.7	19
20	Growth of YbVO ₄ stoichiometric crystal. <i>Journal of Crystal Growth</i> , 2005, 283, 438-443.	0.7	18
21	Resistive switching characteristics of ZnO based ReRAMs with different annealing temperatures. <i>Solid-State Electronics</i> , 2012, 75, 28-32.	0.8	17
22	Wedged In_2S_3 sensitized TiO ₂ films for enhanced photoelectrochemical hydrogen generation. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154798.	2.8	17
23	Multifunctional FeSiAl Soft Magnetic Composites with Inorganic-Organic Hybrid Insulating Layers for High Mechanical Strength, Low Core Loss and Comprehensive Anti-Corrosion. <i>Journal of Electronic Materials</i> , 2022, 51, 3418-3429.	1.0	17
24	Effects of different current densities on properties of MAO coatings embedded with and without Al_2O_3 nanoadditives. <i>Materials Science and Technology</i> , 2012, 28, 565-568.	0.8	16
25	Resistive switching characteristics of ZnO/a-TiO ₂ bilayer film fabricated on PET/ITO transparent and flexible substrates. <i>Materials Research Bulletin</i> , 2016, 84, 449-454.	2.7	16
26	Hydropowered photoelectrochemical water splitting solar cell for hydrogen production. <i>Journal of Alloys and Compounds</i> , 2017, 691, 750-754.	2.8	16
27	Microstructure and Corrosion Resistance of PEO Coatings Formed on KBM10 Mg Alloy Pretreated with Nd(NO ₃) ₃ . <i>Materials</i> , 2018, 11, 1062.	1.3	14
28	Large Metallic Vanadium Disulfide Ultrathin Flakes for Spintronic Circuits and Quantum Computing Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 3684-3694.	2.4	14
29	ZnO photoanodes coated with Ni-based nanostructured electrocatalyst for water oxidation. <i>Journal of Alloys and Compounds</i> , 2016, 661, 201-205.	2.8	12
30	Effect of Various Additives on Performance of Plasma Electrolytic Oxidation Coatings Formed on AZ31 Magnesium Alloy in the Phosphate Electrolytes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 703-709.	0.4	12
31	Multiscale design of carbon-based, high-efficiency and wide-frequency microwave-absorption composites. <i>Ceramics International</i> , 2021, 47, 20467-20475.	2.3	12
32	Preparation of Li ₂ B ₄ O ₇ thin films by chemical solution decomposition method. <i>Materials Letters</i> , 2007, 61, 736-740.	1.3	10
33	Vertically FeNi layered double hydroxide/TiO ₂ composite for synergistically enhanced photoelectrochemical water splitting. <i>Electrochimica Acta</i> , 2021, 387, 138533.	2.6	8
34	Nd:GdVO ₄ thin films grown on La ₃ Ga ₅ SiO ₁₄ (LGS) and sapphire substrates by pulsed laser deposition properties. <i>Journal of Crystal Growth</i> , 2005, 281, 426-431.	0.7	6
35	Effects of oxygen pressure on La ₃ Ga ₅ SiO ₁₄ thin films grown by pulsed laser deposition. <i>Journal of Rare Earths</i> , 2010, 28, 420-423.	2.5	6
36	Manipulation of surface plasmon resonance of sputtered gold-nanoparticles on TiO ₂ nanostructured films for enhanced photoelectrochemical water splitting efficiency. <i>Thin Solid Films</i> , 2018, 661, 32-39.	0.8	6

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37	Surface ferroelectric polarization promotion on photoelectrochemical oxygen evolution by transparent P(VDF-TrFE). <i>Applied Surface Science</i> , 2021, 542, 148745.	3.1	6
38	OPTICAL WAVEGUIDE FABRICATION AND REFRACTIVE INDEX CHARACTERIZATION OF Nd:LuVO ₄ THIN FILMS BY PULSED LASER DEPOSITION. <i>Surface Review and Letters</i> , 2007, 14, 1079-1082.	0.5	5
39	Nd-doped YVO ₄ waveguide films prepared by pulsed laser deposition. <i>Materials Characterization</i> , 2008, 59, 1066-1069.	1.9	5
40	STUDIES ON STRUCTURAL AND RESISTIVE SWITCHING PROPERTIES OF Al/ZnO/Al STRUCTURED RESISTIVE RANDOM ACCESS MEMORY. <i>Surface Review and Letters</i> , 2017, 24, 1750048.	0.5	5
41	Effects of Piezoelectric Potential of ZnO on Resistive Switching Characteristics of Flexible ZnO/TiO ₂ Heterojunction Cells. <i>Journal of Electronic Materials</i> , 2018, 47, 1762-1767.	1.0	5
42	Al decorated ZnO thin-film photoanode for SPR-enhanced photoelectrochemical water splitting. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	5
43	Preparation and characterization of ZnO/ZIF-8 composite with selective photoelectrochemical responses. <i>Materials Letters</i> , 2017, 201, 165-168.	1.3	4
44	Significant photoelectrochemical enhancement of TiO ₂ photoanodes from Ni(OH) ₂ electrocatalyst overcoating. <i>Materials Research Express</i> , 2017, 4, 126202.	0.8	4
45	MoS ₂ additive to the MAO Al ₂ O ₃ composite coatings with enhanced mechanical performances. <i>Materials Research Express</i> , 2019, 6, 016543.	0.8	4
46	MoS ₂ catalyst sensitized 3D TiO ₂ /CdS photoanodes with enhanced photoelectrochemical performances. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5778-5786.	1.9	4
47	EFFECTS OF TiO _x INTERLAYER ON RESISTANCE SWITCHING OF Pt/TiO _x /ZnO/n ⁺ -Si STRUCTURES. <i>Surface Review and Letters</i> , 2014, 21, 1450061.	0.5	3
48	3D nanoflower-structured TiO ₂ photoanode for efficient photoelectrochemical water splitting. <i>International Journal of Materials Research</i> , 2019, 110, 781-787.	0.1	3
49	Efficient photoelectrochemical water splitting of stainless steel electrocatalyst modified TiO ₂ films. <i>Journal of Alloys and Compounds</i> , 2019, 803, 546-553.	2.8	2
50	Pulsed laser deposition of optical waveguide Nd-doped gadolinium vanadate thin films. <i>Journal of Crystal Growth</i> , 2005, 277, 593-598.	0.7	1
51	Structural and optical properties of Nd:LuVO ₄ waveguides grown on sapphire substrates by pulsed laser deposition. <i>Journal of Crystal Growth</i> , 2005, 277, 269-273.	0.7	1
52	Co(OH) ₂ ELECTROCATALYST DECORATED ON TiO ₂ FILM FOR ENHANCED PHOTOELECTROCATALYTIC WATER OXIDATION. <i>Surface Review and Letters</i> , 2020, 27, 2050003.	0.5	1
53	Investigation of WS ₂ -Embedded Al ₂ O ₃ Coatings Prepared by Microarc Oxidation. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1060-1067.	1.2	1
54	Influence of oxygen pressure on Nd:LuVO ₄ films grown by pulsed laser deposition. <i>Materials Research Bulletin</i> , 2005, 40, 1915-1921.	2.7	0

#	ARTICLE	IF	CITATIONS
55	Growth of crystalline YbVO ₄ thin-film optical waveguides by pulsed laser deposition. Vacuum, 2008, 82, 463-467.	1.6	0