Hongxia Li

List of Publications by Year
in descending order

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55 papers	1,213 citations	430874 18 h-index	395702 33 g-index
55 all docs	55 docs citations	55 times ranked	1660 citing authors

#	Article	IF	Citations
1	Solâ€“gel preparation of transparent zinc oxide films with highly preferential crystal orientation. Vacuum, 2004, 77, 57-62.	3.5	173
2	Zinc oxide films prepared by solâ€“gel method. Journal of Crystal Growth, 2005, 275, e943-e946.	1.5	104
3	Effects of nano-additive TiO2 on performance of micro-arc oxidation coatings formed on 6063 aluminum alloy. Transactions of Nonferrous Metals Society of China, 2013, 23, 406-411.	4.2	81
4	Surface-Plasmon-Resonance-Enhanced Photoelectrochemical Water Splitting from Au-Nanoparticle-Decorated 3D TiO₂ Nanorod Architectures. Journal of Physical Chemistry C, 2017, 121, 12071-12079.	3.1	72
5	Piezotronic-Enhanced Photoelectrochemical Reactions in Ni(OH)₂-Decorated ZnO Photoanodes. Journal of Physical Chemistry Letters, 2015, 6, 3410-3416.	4.6	67
6	The thermal and optical properties of BaWO4 single crystal. Journal of Crystal Growth, 2005, 276, 208-214.	1.5	47
7	Ferroelectric enhanced photoelectrochemical water splitting in BiFeO3/TiO2 composite photoanode. Journal of Alloys and Compounds, 2019, 783, 643-651.	5.5	46
8	Reduced TiO2 nanoflower structured photoanodes for superior photoelectrochemical water splitting. Journal of Alloys and Compounds, 2017, 724, 280-286.	5.5	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.	12.0	42
10	Bidirectional threshold switching characteristics in Ag/ZrO2/Pt electrochemical metallization cells. AIP Advances, 2016, 6, .	1.3	36
11	MoS₂ nanosheet/ZnO nanowire hybrid nanostructures for photoelectrochemical water splitting. Journal of the American Ceramic Society, 2018, 101, 3989-3996.	3.8	32
12	Influence of annealing on ZnO films grown by metalâ€“organic chemical vapor deposition. Materials Letters, 2004, 58, 3630-3633.	2.6	29
13	Cu nanoparticles hybridized with ZnO thin film for enhanced photoelectrochemical oxygen evolution. Journal of Alloys and Compounds, 2018, 768, 830-837.	5.5	28
14	Improvement of resistive switching in ZnO film by Ti doping. Thin Solid Films, 2013, 537, 279-284.	1.8	26
15	Mixed 3D/2D dimensional TiO₂ nanoflowers/MoSe₂ nanosheets for enhanced photoelectrochemical hydrogen generation. Journal of the American Ceramic Society, 2020, 103, 1187-1196.	3.8	24
16	Controllable volatile to nonvolatile resistive switching conversion and conductive filaments engineering in Cu/ZrO₂/Pt devices. Journal Physics D: Applied Physics, 2016, 49, 445105.	2.8	23
17	The promising photoanode of Pt coupled TiO2 NFs/CdS QDs with enhanced photoelectrochemical performance. Journal of Alloys and Compounds, 2019, 790, 900-908.	5.5	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.	2.2	21

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19	3D flowerlike TiO2/GO and TiO2/MoS2 heterostructures with enhanced photoelectrochemical water splitting. Journal of Materials Science, 2018, 53, 7609-7620.	3.7	19
20	Growth of YbVO4 stoichiometric crystal. Journal of Crystal Growth, 2005, 283, 438-443.	1.5	18
21	Resistive switching characteristics of ZnO based ReRAMs with different annealing temperatures. Solid-State Electronics, 2012, 75, 28-32.	1.4	17
22	Wedged ÃŸ-In2S3 sensitized TiO2 films for enhanced photoelectrochemical hydrogen generation. Journal of Alloys and Compounds, 2020, 831, 154798.	5.5	17
23	Multifunctional FeSiAl Soft Magnetic Composites with Inorganicâ€“Organic Hybrid Insulating Layers for High Mechanical Strength, Low Core Loss and Comprehensive Anti-Corrosion. Journal of Electronic Materials, 2022, 51, 3418-3429.	2.2	17
24	Effects of different current densities on properties of MAO coatings embedded with and without Î±-Al₂O₃ nanoadditives. Materials Science and Technology, 2012, 28, 565-568.	1.6	16
25	Resistive switching characteristics of ZnO/a-TiO 2 bilayer film fabricated on PET/ITO transparent and flexible substrates. Materials Research Bulletin, 2016, 84, 449-454.	5.2	16
26	Hydropowered photoelectrochemical water splitting solar cell for hydrogen production. Journal of Alloys and Compounds, 2017, 691, 750-754.	5.5	16
27	Microstructure and Corrosion Resistance of PEO Coatings Formed on KBM10 Mg Alloy Pretreated with Nd(NO3)3. Materials, 2018, 11, 1062.	2.9	14
28	Large Metallic Vanadium Disulfide Ultrathin Flakes for Spintronic Circuits and Quantum Computing Devices. ACS Applied Nano Materials, 2019, 2, 3684-3694.	5.0	14
29	ZnO photoanodes coated with Ni-based nanostructured electrocatalyst for water oxidation. Journal of Alloys and Compounds, 2016, 661, 201-205.	5.5	12
30	Effect of Various Additives on Performance of Plasma Electrolytic Oxidation Coatings Formed on AZ31 Magnesium Alloy in the Phosphate Electrolytes. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 703-709.	1.0	12
31	Multiscale design of carbon-based, high-efficiency and wide-frequency microwave-absorption composites. Ceramics International, 2021, 47, 20467-20475.	4.8	12
32	Preparation of Li2B4O7 thin films by chemical solution decomposition method. Materials Letters, 2007, 61, 736-740.	2.6	10
33	Vertically FeNi layered double hydroxide/TiO2 composite for synergistically enhanced photoelectrochemical water splitting. Electrochimica Acta, 2021, 387, 138533.	5.2	8
34	Nd:GdVO4 thin films grown on La3Ga5SiO14 (LGS) and sapphire substrates by pulsed laser deposition properties. Journal of Crystal Growth, 2005, 281, 426-431.	1.5	6
35	Effects of oxygen pressure on La3Ga5SiO14 thin films grown by pulsed laser deposition. Journal of Rare Earths, 2010, 28, 420-423.	4.8	6
36	Manipulation of surface plasmon resonance of sputtered gold-nanoparticles on TiO2 nanostructured films for enhanced photoelectrochemical water splitting efficiency. Thin Solid Films, 2018, 661, 32-39.	1.8	6

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37	Surface ferroelectric polarization promotion on photoelectrochemical oxygen evolution by transparent P(VDF-TrFE). Applied Surface Science, 2021, 542, 148745.	6.1	6
38	OPTICAL WAVEGUIDE FABRICATION AND REFRACTIVE INDEX CHARACTERIZATION OF Nd:LuVO4 THIN FILMS BY PULSED LASER DEPOSITION. Surface Review and Letters, 2007, 14, 1079-1082.	1.1	5
39	Nd-doped YVO4 waveguide films prepared by pulsed laser deposition. Materials Characterization, 2008, 59, 1066-1069.	4.4	5
40	STUDIES ON STRUCTURAL AND RESISTIVE SWITCHING PROPERTIES OF Al/ZnO/Al STRUCTURED RESISTIVE RANDOM ACCESS MEMORY. Surface Review and Letters, 2017, 24, 1750048.	1.1	5
41	Effects of Piezoelectric Potential of ZnO on Resistive Switching Characteristics of Flexible ZnO/TiO2 Heterojunction Cells. Journal of Electronic Materials, 2018, 47, 1762-1767.	2.2	5
42	Al decorated ZnO thin-film photoanode for SPR-enhanced photoelectrochemical water splitting. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	5
43	Preparation and characterization of ZnO/ZIF-8 composite with selective photoelectrochemical responses. Materials Letters, 2017, 201, 165-168.	2.6	4
44	Significant photoelectrochemical enhancement of TiO2 photoanodes from Ni(OH)2 electrocatalyst overcoating. Materials Research Express, 2017, 4, 126202.	1.6	4
45	MoS2 additive to the MAO Al2O3 composite coatings with enhanced mechanical performances. Materials Research Express, 2019, 6, 016543.	1.6	4
46	MoS₂ coâ€catalyst sensitized 3D TiO₂/CdS photoanodes with enhanced photoelectrochemical performances. Journal of the American Ceramic Society, 2020, 103, 5778-5786.	3.8	4
47	EFFECTS OF TiOx INTERLAYER ON RESISTANCE SWITCHING OF Pt/TiOx/ZnO/n+-Si STRUCTURES. Surface Review and Letters, 2014, 21, 1450061.	1.1	3
48	3D nanoflower-structured TiO2 photoanode for efficient photoelectrochemical water splitting. International Journal of Materials Research, 2019, 110, 781-787.	0.3	3
49	Efficient photoelectrochemical water splitting of stainless steel electrocatalyst modified TiO2 films. Journal of Alloys and Compounds, 2019, 803, 546-553.	5.5	2
50	Pulsed laser deposition of optical waveguide Nd-doped gadolinium vanadate thin films. Journal of Crystal Growth, 2005, 277, 593-598.	1.5	1
51	Structural and optical properties of Nd:LuVO4 waveguides grown on sapphire substrates by pulsed laser deposition. Journal of Crystal Growth, 2005, 277, 269-273.	1.5	1
52	Co(OH)2 ELECTROCATALYST DECORATED ON TiO2 FILM FOR ENHANCED PHOTOELECTROCATALYTIC WATER OXIDATION. Surface Review and Letters, 2020, 27, 2050003.	1.1	1
53	Investigation of WS2-Embedded Al2O3 Coatings Prepared by Microarc Oxidation. Journal of Materials Engineering and Performance, 2020, 29, 1060-1067.	2.5	1
54	Influence of oxygen pressure on Nd:LuVO4 films grown by pulsed laser deposition. Materials Research Bulletin, 2005, 40, 1915-1921.	5.2	0

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55	Growth of crystalline YbVO4 thin-film optical waveguides by pulsed laser deposition. Vacuum, 2008, 82, 463-467.	3.5	0