Ying Y Dai

List of Publications by Year
in descending order

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67 papers	1,536 citations	279701 23 h-index	302012 39 g-index
67 all docs	67 docs citations	67 times ranked	1985 citing authors

#	Article	IF	Citations
1	The octa-twin tetraleg ZnO nanostructures. Solid State Communications, 2003, 126, 629-633.	0.9	167
2	Bicrystalline zinc oxide nanowires. Chemical Physics Letters, 2003, 375, 96-101.	1.2	137
3	Synthesis and Characterization of Bowl-Like Single-Crystalline BaTiO3 Nanoparticles. Nanoscale Research Letters, 2010, 5, 1217-1221.	3.1	86
4	Formation of double-side teethed nanocombs of ZnO and self-catalysis of Zn-terminated polar surface. Chemical Physics Letters, 2006, 417, 358-362.	1.2	80
5	Enhancement of ethanol gas sensing response based on ordered V2O5 nanowire microyarns. Sensors and Actuators B: Chemical, 2015, 206, 284-290.	4.0	74
6	Orientated Langmuirâ"Blodgett Assembly of VO₂ Nanowires. Nano Letters, 2009, 9, 826-830.	4.5	73
7	Morphology, structures and properties of ZnO nanobelts fabricated by Zn-powder evaporation without catalyst at lower temperature. Journal of Materials Science, 2006, 41, 3057-3062.	1.7	68
8	Synthesis and gas sensing properties of Fe2O3 nanoparticles activated V2O5 nanotubes. Sensors and Actuators B: Chemical, 2010, 145, 211-215.	4.0	66
9	Investigation of sodium stearate organically modified LDHs effect on the anti aging properties of asphalt binder. Construction and Building Materials, 2018, 172, 509-518.	3.2	57
10	Aging degradation of asphalt binder by narrow-band UV radiations with a range of dominant wavelengths. Construction and Building Materials, 2019, 220, 637-650.	3.2	56
11	Hydrothermal synthesis of porous TiO2 microspheres and their photocatalytic degradation of gaseous benzene. Chemical Engineering Journal, 2011, 170, 53-58.	6.6	48
12	Aging effects of ultraviolet lights with same dominant wavelength and different wavelength ranges on a hydrocarbon-based polymer (asphalt). Polymer Testing, 2019, 75, 64-75.	2.3	46
13	Synthesis and Field Emission Property of V2O5Â·nH2O Nanotube Arrays. Journal of Physical Chemistry C, 2007, 111, 8202-8205.	1.5	40
14	Selected-control hydrothermal synthesis and formation mechanism of 1D ammonium vanadate. Journal of Solid State Chemistry, 2008, 181, 652-657.	1.4	37
15	Fabrication and characterization of ZnO comb-like nanostructures. Ceramics International, 2006, 32, 561-566.	2.3	36
16	One-dimensional nanomaterials of vanadium and molybdenum oxides. Journal of Physics and Chemistry of Solids, 2006, 67, 896-902.	1.9	33
17	Synthesis, luminescent, and magnetic properties of LaVO4:Eu nanorods. Materials Letters, 2008, 62, 109-112.	1.3	31
18	Field Emission from V₂O₅Â·nH₂O Nanorod Arrays. Journal of Physical Chemistry C, 2008, 112, 2262-2265.	1.5	31

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19	Surface passivant effects on electronic states of the band edge in Si-nanocrystals. Solid State Communications, 2003, 126, 103-106.	0.9	30
20	Synthesis and Characterization of Single-Crystalline BaTi₂O₅ Nanowires. Journal of Physical Chemistry C, 2010, 114, 1748-1751.	1.5	27
21	Measuring the transport property of ZnO tetrapod using in situ nanoprobes. Chemical Physics Letters, 2010, 484, 96-99.	1.2	26
22	Transitions of component, physical, rheological and self-healing properties of petroleum bitumen from the loose bituminous mixture after UV irradiation. Fuel, 2020, 262, 116507.	3.4	26
23	Field evaluation of LDHs effect on the aging resistance of asphalt concrete after four years of road service. Construction and Building Materials, 2019, 208, 192-203.	3.2	23
24	Synthesis of one-dimensional ZnO nanoneedles using thermal oxidation process in the air and its application as filed emitters. Materials Letters, 2008, 62, 2783-2786.	1.3	22
25	V₂O₅/Polypyrrole Coreâ€“Shell Nanotubes for Gas Sensor. Journal of Nanoscience and Nanotechnology, 2011, 11, 10834-10838.	0.9	19
26	The effect of surface morphology on the response of Fe2O3-loaded vanadium oxide nanotubes gas sensor. Applied Surface Science, 2011, 257, 7071-7075.	3.1	17
27	Enhanced ferroelectric and piezoelectric properties of (1-x)BaZr0.2Ti0.8O3â€“xBa0.7Ca0.3TiO3 thin films by solâ€“gel process. Applied Surface Science, 2016, 388, 35-39.	3.1	16
28	Laboratory and field evaluation of sodium stearate organically modified LDHs effect on the anti aging performance of asphalt mixtures. Construction and Building Materials, 2018, 189, 366-374.	3.2	15
29	Enhanced ethanol sensing characteristics by decorating dispersed Pd nanoparticles on vanadium oxide nanotubes. Materials Letters, 2014, 128, 362-365.	1.3	14
30	Preparation and gas sensing property of Ag-supported vanadium oxide nanotubes. Functional Materials Letters, 2014, 07, 1450031.	0.7	14
31	Modulated Structure Assisted Growth and Properties of Fe₃O₄ Nanoneedle Films Using a Thermal Oxidation Process in the Air. Journal of Physical Chemistry C, 2008, 112, 902-910.	1.5	13
32	Electrochemical Deposited Nanoflakes Co(OH)₂ Porous Films for Electrochemical Capacitors. Journal of the Chinese Chemical Society, 2010, 57, 423-428.	0.8	11
33	Effects of MCAS glass additives on dielectric properties of Al2O3â€“TiO2 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 475, 76-80.	2.6	10
34	Highly efficient photocatalytic activity of boron-doped TiO2 for gas phase degradation of benzene. Rare Metals, 2011, 30, 243-248.	3.6	10
35	Structure and ferroelectric property of low concentration iron-doped solâ€“gel BaTiO3 thin films. Ceramics International, 2016, 42, 9046-9050.	2.3	10
36	Quasi One-dimensional ZnO Nanostructures Fabricated without Catalyst at Lower Temperature. Frontiers of Physics in China, 2006, 1, 72-84.	1.0	9

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37	Hierarchically porous Î³-Ti3O5 hollow nanospheres as an effective sulfur host for long-life lithium-sulfur batteries. Applied Surface Science, 2022, 579, 152178.	3.1	8
38	Three-dimensional hollow reduced graphene oxide spheres with a hierarchically porous structure for high-performance lithiumâ€“sulfur batteries. Inorganic Chemistry Frontiers, 2019, 6, 2528-2538.	3.0	7
39	Synthesis of Co₂O₄ Microspheres by Hydrothermal-Precipitation for Electrochemical Supercapacitors. Advanced Materials Research, 0, 66, 280-283.	0.3	5
40	Diffuse phase transition of sol-gel deposited BaFexTi2-xO5 thin films. Journal of Alloys and Compounds, 2017, 727, 370-374.	2.8	4
41	Low-Temperature Sintering and Microwave Dielectric Properties of the Zn₂SiO₄ Ceramics. Advanced Materials Research, 2009, 66, 104-107.	0.3	3
42	Effect of top electrode thickness on the piezoresponse of polycrystalline ferroelectric capacitors. Journal Physics D: Applied Physics, 2012, 45, 505302.	1.3	3
43	Diffuse phase transition in Nb-doped BaTi2O5 thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 14424-14429.	1.1	3
44	Enhanced microwave dielectric properties of Bi6B10O24 ceramics as ultra-low temperature co-fired ceramics materials. Journal of Materials Science: Materials in Electronics, 0, , .	1.1	3
45	The role of CuO addition in the phase evolution and properties of BaTi5O11 microwave dielectric ceramics prepared by the solid-state reaction method. Journal of Materials Science: Materials in Electronics, 2022, 33, 16406-16413.	1.1	3
46	Nanoscale and Spatial Variations Investigation of Etch Damage in Integrated Ferroelectric Capacitor Side Wall by Piezoresponse Force Microscopy. Japanese Journal of Applied Physics, 2009, 48, 011401.	0.8	2
47	Photocatalytic Decompositions of Gaseous HCHO over Ag/TiO₂ Nanotube Arrays. Journal of Nanoscience and Nanotechnology, 2011, 11, 10691-10695.	0.9	2
48	Effects of TiO2Doping Fe-Mn-Cu-Co Spinel on the Physical Properties of Diesel Oil. IOP Conference Series: Materials Science and Engineering, 2011, 18, 202029.	0.3	2
49	Synthesis and Characterization of Nanoflakes Î²-Ni(OH)₂ Microspheres for Supercapacitors. Advanced Materials Research, 0, 230-232, 306-309.	0.3	2
50	Structures and enhanced electrocaloric effect in Fe-doped (Ba0.904Ca0.096)(Zr0.136Ti0.864)O3 thin films. Journal of Alloys and Compounds, 2022, 896, 163132.	2.8	2
51	Morphology and Properties of Tetraleg ZnO Nanostructures Fabricated by Zn-Powder Evaporation without Catalysts at Lower Temperature. Materials Research Society Symposia Proceedings, 2005, 879, 1.	0.1	1
52	Nanoscale investigation of side wall and surface domain structures in multilayer PbTiO3/PbZr0.3Ti0.7O3/PbTiO3thin films. Journal Physics D: Applied Physics, 2008, 41, 135401.	1.3	1
53	Large Scale Synthesis of BaTiO₃ Nanorods by a Template Way. Advanced Materials Research, 2009, 79-82, 373-376.	0.3	1
54	V<inf>2</inf>O<inf>5</inf>/polypyrrole core-shell nanotubes for Gas sensor. , 2010, , .		1

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55	Synthesis and Characterization of Ni(OH)₂/Multiwalled Carbon Nanotubes Nanocomposites for Electrochemical Capacitors. Advanced Materials Research, 2011, 239-242, 2968-2971.	0.3	1
56	Effect of V₂O₅ and ZnO Additives on the Sintering Temperature and Microwave Dielectric Properties of Ca[(Li_{1/3}Nb_{2/3})_{0.8}Ti_{0.2}]O_{3-Î´} Ceramics. Advanced Materials Research, 0, 239-242, 77-80.	0.3	1
57	Leakage Current and Dielectric Properties of Integrated Ferroelectric Capacitor Etched in Non-Crystalline Phase. Integrated Ferroelectrics, 2012, 132, 107-113.	0.3	1
58	Properties of Individually Addressable Ferroelectric Nanocapacitor Arrays Fabricated by Focused Ion Beam Milling. Journal of Nanoscience and Nanotechnology, 2013, 13, 5542-5546.	0.9	1
59	Preparation of Size Controllable BaTiO₃ Nanoparticles in Microemulsion at Low Temperature. Advanced Materials Research, 2014, 1004-1005, 63-68.	0.3	1
60	Highly Oriented Plate-like Rod/Tube Arrays of ZnO. Materials Research Society Symposia Proceedings, 2005, 876, 1.	0.1	0
61	Controlled Synthesize of BaTiO₃ Nanoparticles and BaCO₃ Nanowires through the Reverse Micelle System. Advanced Materials Research, 2009, 66, 171-174.	0.3	0
62	Photocatalytic decompositions of gaseous HCHO over Ag/TiO<inf>2</inf> nanotube arrays. , 2010, , .		0
63	The Influence of One-dimensional TiO2with Different Morphology on Photocatalytic Degradation of Gaseous Benzene. IOP Conference Series: Materials Science and Engineering, 2011, 18, 082016.	0.3	0
64	Microwave Dielectric Properties of Ca(Li_{1/3}Nb_{2/3})O_{3-Î´} Ceramics with ZnO Additive. Materials Science Forum, 0, 687, 144-150.	0.3	0
65	Solvothermal Synthesis of Nanostructured Î±-Ni(OH)₂/ Mesoporous Carbon Composites for Supercapacitors. Advanced Materials Research, 2011, 239-242, 1227-1230.	0.3	0
66	Addressable Metal-Ferroelectric-Metal Nanocapacitor Arrays Fabricated by Focused Ion Beam Milling. Integrated Ferroelectrics, 2012, 132, 99-106.	0.3	0
67	Leakage Current Characterization of BaTi₂O₅ Nanowires. Key Engineering Materials, 2015, 655, 168-173.	0.4	0