

Wei Li

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,272
citations

361296

20
h-index

360920

35
g-index

35
all docs

35
docs citations

35
times ranked

2063
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigating air pollution strategies based on solar chimneys. <i>Solar Energy</i> , 2021, 218, 11-27.	2.9	18
2	Nanowhiskers of K ₂ Ti ₆ O ₁₃ as a promoter of photocatalysis in anatase mesocrystals. <i>Catalysis Today</i> , 2021, 378, 133-139.	2.2	5
3	Template free mild hydrothermal synthesis of core-shell Cu ₂ O(Cu)@CuO visible light photocatalysts for <i>N</i> -acetyl- <i>p</i> -aminophenol degradation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20767-20777.	5.2	46
4	Nanolamellar Tantalum Interfaces in the Osteoblast Adhesion. <i>Langmuir</i> , 2019, 35, 2480-2489.	1.6	16
5	Novel mesoporous TiO ₂ (B) whisker-supported sulfated solid superacid with unique acid characteristics and catalytic performances. <i>Applied Catalysis A: General</i> , 2019, 574, 25-32.	2.2	31
6	Joint Event Extraction Based on Hierarchical Event Schemas From FrameNet. <i>IEEE Access</i> , 2019, 7, 25001-25015.	2.6	26
7	Effects of ionic hydration and hydrogen bonding on flow resistance of ionic aqueous solutions confined in molybdenum disulfide nanoslits: Insights from molecular dynamics simulations. <i>Fluid Phase Equilibria</i> , 2019, 489, 23-29.	1.4	9
8	TiO ₂ Nanofoam Nanotube Array for Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2018, 1, 6563-6566.	2.4	20
9	Size-controlled electron transfer rates determine hydrogen generation efficiency in colloidal Pt-decorated CdS quantum dots. <i>Nanoscale</i> , 2018, 10, 16153-16158.	2.8	19
10	Hydrophilic, Hole-Delocalizing Ligand Shell to Promote Charge Transfer from Colloidal CdSe Quantum Dots in Water. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15160-15168.	1.5	16
11	Microencapsulated Phase Change Materials in Solar-Thermal Conversion Systems: Understanding Geometry-Dependent Heating Efficiency and System Reliability. <i>ACS Nano</i> , 2017, 11, 721-729.	7.3	98
12	Excellent performance of Pt-C/TiO ₂ for methanol oxidation: Contribution of mesopores and partially coated carbon. <i>Applied Surface Science</i> , 2017, 426, 890-896.	3.1	38
13	Simultaneous Optimization of Colloidal Stability and Interfacial Charge Transfer Efficiency in Photocatalytic Pt/CdS Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29434-29441.	4.0	20
14	In-situ synthesized mesoporous TiO ₂ -B/anatase microparticles: Improved anodes for lithium ion batteries. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 583-589.	1.7	17
15	Colloidal dual-band gap cell for photocatalytic hydrogen generation. <i>Nanoscale</i> , 2015, 7, 16606-16610.	2.8	12
16	Optical and Electronic Properties of Pyrite Nanocrystal Thin Films: the Role of Ligands. <i>Small</i> , 2014, 10, 1194-1201.	5.2	16
17	Highly Crystalline Mesoporous TiO ₂ (B) Nanofibers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3049-3055.	1.5	21
18	One-step electrochemical synthesis of a graphene-ZnO hybrid for improved photocatalytic activity. <i>Materials Research Bulletin</i> , 2013, 48, 2855-2860.	2.7	66

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19	Core-shell TiO ₂ /C nanofibers as supports for electrocatalytic and synergistic photoelectrocatalytic oxidation of methanol. <i>Journal of Materials Chemistry</i> , 2012, 22, 4025.	6.7	83
20	Single-crystalline and reactive facets exposed anatase TiO ₂ nanofibers with enhanced photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 6718.	6.7	31
21	Size-dependent electroluminescence from Si quantum dots embedded in amorphous SiC matrix. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	45
22	Structural and electronic properties of Si nanocrystals embedded in amorphous SiC matrix. <i>Journal of Alloys and Compounds</i> , 2011, 509, 3963-3966.	2.8	43
23	Pyrite nanocrystals: shape-controlled synthesis and tunable optical properties via reversible self-assembly. <i>Journal of Materials Chemistry</i> , 2011, 21, 17946.	6.7	72
24	Synthesis, Features, and Applications of Mesoporous Titania with TiO ₂ (B). <i>Chinese Journal of Catalysis</i> , 2010, 31, 605-614.	6.9	36
25	Comparative Study in Liquid-Phase Heterogeneous Photocatalysis: Model for Photoreactor Scale-Up. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 8397-8405.	1.8	18
26	A shortcut for evaluating activities of TiO ₂ facets: water dissociative chemisorption on TiO ₂ -B (100) and (001). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8721.	1.3	37
27	Highly Crystalline TiO ₂ Whisker Modified with Pt and Its Photocatalytic Performance. <i>Chinese Journal of Catalysis</i> , 2010, 31, 1271-1276.	6.9	2
28	Nanopatterned surface with adjustable area coverage and feature size fabricated by photocatalysis. <i>Applied Surface Science</i> , 2009, 255, 9296-9300.	3.1	4
29	Low-Temperature CO Oxidation of Gold Catalysts Loaded on Mesoporous TiO ₂ Whisker Derived from Potassium Ditungstate. <i>Catalysis Letters</i> , 2009, 127, 406-410.	1.4	23
30	Highly Thermal Stable and Highly Crystalline Anatase TiO ₂ for Photocatalysis. <i>Environmental Science & Technology</i> , 2009, 43, 5423-5428.	4.6	103
31	Stability of Pt nanoparticles and enhanced photocatalytic performance in mesoporous Pt-(anatase/TiO ₂ (B)) nanoarchitecture. <i>Journal of Materials Chemistry</i> , 2009, 19, 7055.	6.7	72
32	Thermodynamic Analysis on the Mineralization of Trace Organic Contaminants with Oxidants in Advanced Oxidation Processes. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10728-10733.	1.8	6
33	Luminescence behavior from amorphous silicon-carbide film-based optical microcavities. <i>Materials Chemistry and Physics</i> , 2008, 111, 279-282.	2.0	11
34	Enhanced Photocatalytic Activity in Anatase/TiO ₂ (B) Core-Shell Nanofiber. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20539-20545.	1.5	181
35	Enhanced green to red photoluminescence in thermally annealed of amorphous-Si:H/SiO ₂ multilayers. <i>Thin Solid Films</i> , 2006, 515, 2322-2325.	0.8	11