

Yunyu Cai

List of Publications by Year in descending order

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papers

742
citations

566801

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1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic degradation of organic pollutants with Ag decorated free-standing TiO ₂ nanotube arrays and interface electrochemical response. <i>Journal of Materials Chemistry</i> , 2011, 21, 475-480.	6.7	168
2	Highly Dispersed Ultrafine Pt Nanoparticles on Reduced Graphene Oxide Nanosheets: In Situ Sacrificial Template Synthesis and Superior Electrocatalytic Performance for Methanol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22935-22940.	4.0	107
3	Facet-Dependent Selective Adsorption of Mn-Doped $\text{Fe}_{2}\text{O}_{3}$ Nanocrystals toward Heavy-Metal Ions. <i>Chemistry of Materials</i> , 2017, 29, 10198-10205.	3.2	82
4	In situ growth of lamellar ZnTiO ₃ nanosheets on TiO ₂ tubular array with enhanced photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20203.	1.3	49
5	Reduced graphene oxide anchored magnetic ZnFe ₂ O ₄ nanoparticles with enhanced visible-light photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 9069-9074.	1.7	48
6	Laser irradiation-induced Au@ZnO nanospheres with enhanced sensitivity and stability for ethanol sensing. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22503-22508.	1.3	24
7	Grafting BiOCl nanosheets onto TiO ₂ tubular arrays to form a hierarchical structure with improved photocatalytic performance. <i>RSC Advances</i> , 2013, 3, 19064.	1.7	23
8	Paramagnetic CuS hollow nanoflowers for ¹⁹ F-MRI magnetic resonance imaging-guided thermochemotherapy of cancer. <i>Biomaterials Science</i> , 2019, 7, 409-418.	2.6	23
9	Recyclable chestnut-like Fe ₃ O ₄ @C@ZnSnO ₃ core-shell particles for the photocatalytic degradation of 2,5-dichlorophenol. <i>RSC Advances</i> , 2014, 4, 26201.	1.7	22
10	Simultaneous doping and growth of Sn-doped hematite nanocrystalline films with improved photoelectrochemical performance. <i>RSC Advances</i> , 2014, 4, 63408-63413.	1.7	20
11	Highly dispersed Au nanoparticles decorated WO ₃ nanoplatelets: Laser-assisted synthesis and superior performance for detecting ethanol vapor. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 165-171.	5.0	20
12	Ameliorative effects of nano-selenium against NiSO ₄ -induced apoptosis in rat testes. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 467-477.	1.3	19
13	Laser ablation in liquids for the assembly of Se@Au chain-oligomers with long-term stability for photothermal inhibition of tumor cells. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 284-295.	5.0	19
14	Laser-irradiation-induced Melting and Reduction Reaction for the Formation of Pt-based Bimetallic Alloy Particles in Liquids. <i>ChemPhysChem</i> , 2017, 18, 1133-1139.	1.0	17
15	Coexistence of resistance switching and negative differential resistance in the $\text{Fe}_{2}\text{O}_{3}$ nanorod film. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17440-17445.	1.3	15
16	Pressure induced semiconductor-metallic transition of selenium nanoribbons generated by laser ablation in liquids. <i>Applied Surface Science</i> , 2019, 473, 564-570.	3.1	15
17	Nano-selenium attenuates nickel-induced testosterone synthesis disturbance through inhibition of MAPK pathways in Sprague-Dawley rats. <i>Environmental Toxicology</i> , 2019, 34, 968-978.	2.1	14
18	In-situ reactive loading of platinum onto tin oxide nanocrystals with superior catalytic performance for hydrogenation of 4-nitrophenol. <i>Applied Surface Science</i> , 2019, 471, 469-474.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Femtosecond Laser Generated Hierarchical Macropore/LIPSS Metasurfaces and Their Ultrabroadband Absorbance, Photothermal Properties, and Thermal-Induced Reflectance Oscillation. ACS Applied Electronic Materials, 2022, 4, 990-1001.	2.0	12
20	Monodispersed carbon nanodots spontaneously separated from combustion soot with excitation-independent photoluminescence. RSC Advances, 2016, 6, 8456-8460.	1.7	8
21	Aqueous dispersed ablated bismuth species and their potential as colloidal Bi precursors in synthetic strategies. CrystEngComm, 2015, 17, 3015-3022.	1.3	7
22	Surface morphology and payload synergistically caused an enhancement of the longitudinal relaxivity of a Mn ₃ O ₄ /PtO _x nanocomposite for magnetic resonance tumor imaging. Biomaterials Science, 2021, 9, 2732-2742.	2.6	6
23	Hierarchical WO ₃ Ultrabroadband Absorbers and Photothermal Converters Grown from Femtosecond Laser-Induced Periodic Surface Structures. ACS Applied Materials & Interfaces, 2022, 14, 24046-24058.	4.0	5
24	Simultaneous Cu doping and growth of TiO ₂ nanocrystalline array film as a glucose biosensor. RSC Advances, 2016, 6, 78219-78224.	1.7	4
25	Top electrode material related bipolar memory and unipolar threshold resistance switching in amorphous Ta ₂ O ₅ films. Applied Physics A: Materials Science and Processing, 2013, 111, 1065-1070.	1.1	2
26	Novel closed-cycle reaction mode for totally green production of Cu _{1.8} Se nanoparticles based on laser-generated Se colloidal solution. Chinese Physics B, 2022, 31, 078102.	0.7	1