

Kunlun Ding

List of Publications by Year in descending order

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papers

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citations

196777

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206121

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52
all docs

52
docs citations

52
times ranked

8940
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterolytic Dissociation of H ₂ in Heterogeneous Catalysis. ACS Catalysis, 2022, 12, 4707-4723.	5.5	80
2	Elucidating the Roles of Amorphous Alumina Overcoat in Palladium-Catalyzed Selective Hydrogenation. ACS Applied Materials & Interfaces, 2022, 14, 24290-24298.	4.0	7
3	Elucidating the surface compositions of Pd@Pt _{nL} core-shell nanocrystals through catalytic reactions and spectroscopy probes. Nanoscale, 2021, 13, 18498-18506.	2.8	2
4	Construction of Inverse Metal-Zeolite Interfaces via Area-Selective Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2021, 13, 51759-51766.	4.0	0
5	Probing the Surface Acidity of Supported Aluminum Bromide Catalysts. Catalysts, 2020, 10, 869.	1.6	7
6	Adsorption of Colloidal Metal Nanoparticles via Solvent Engineering. ACS Catalysis, 2020, 10, 2378-2383.	5.5	7
7	Critical Coupling of Visible Light Extends Hot-Electron Lifetimes for H ₂ O ₂ Synthesis. ACS Applied Materials & Interfaces, 2020, 12, 22778-22788.	4.0	6
8	A general synthesis approach for supported bimetallic nanoparticles via surface inorganometallic chemistry. Science, 2018, 362, 560-564.	6.0	176
9	Low Temperature Direct Conversion of Methane using a Solid Superacid. ChemCatChem, 2018, 10, 5019-5024.	1.8	12
10	Microwave-Assisted Synthesis of Ultrastable Cu@TiO ₂ Core-Shell Nanowires with Tunable Diameters via a Redox-Hydrolysis Synergetic Process. ChemNanoMat, 2018, 4, 914-918.	1.5	8
11	Replication of SMSI via ALD: TiO ₂ Overcoats Increase Pt-Catalyzed Acrolein Hydrogenation Selectivity. Catalysis Letters, 2018, 148, 2223-2232.	1.4	17
12	C1 Catalysis Symposium. Catalysis Today, 2018, 311, 1.	2.2	1
13	Methanol Oxidation to Formate on ALD-Prepared VO _x /Al ₂ O ₃ Catalysts: A Mechanistic Study. Journal of Physical Chemistry C, 2017, 121, 26794-26805.	1.5	17
14	Highly Efficient Activation, Regeneration, and Active Site Identification of Oxide-Based Olefin Metathesis Catalysts. ACS Catalysis, 2016, 6, 5740-5746.	5.5	71
15	Adhesion and Atomic Structures of Gold on Ceria Nanostructures: The Role of Surface Structure and Oxidation State of Ceria Supports. Nano Letters, 2015, 15, 5375-5381.	4.5	98
16	Constructing Hierarchical Porous Zeolites via Kinetic Regulation. Journal of the American Chemical Society, 2015, 137, 11238-11241.	6.6	85
17	Identification of active sites in CO oxidation and water-gas shift over supported Pt catalysts. Science, 2015, 350, 189-192.	6.0	948
18	Microwave Synthesis of Microstructured and Nanostructured Metal Chalcogenides from Elemental Precursors in Phosphonium Ionic Liquids. Journal of the American Chemical Society, 2014, 136, 15465-15468.	6.6	43

#	ARTICLE	IF	CITATIONS
19	The Selective High-Yield Conversion of Methane Using Iodine-Catalyzed Methane Bromination. <i>ACS Catalysis</i> , 2013, 3, 474-477.	5.5	26
20	Interplay Between Bromine and Iodine in Oxidative Dehydrogenation. <i>ChemCatChem</i> , 2013, 5, 1906-1910.	1.8	22
21	Hydrodebromination and Oligomerization of Dibromomethane. <i>ACS Catalysis</i> , 2012, 2, 479-486.	5.5	28
22	Iodine Catalyzed Propane Oxidative Dehydrogenation Using Dibromomethane as an Oxidant. <i>ACS Catalysis</i> , 2012, 2, 1049-1056.	5.5	20
23	Surfactant-Free Synthesis of Bi ₂ Te ₃ Te Nano Heterostructure with Enhanced Thermoelectric Figure of Merit. <i>ACS Nano</i> , 2011, 5, 3158-3165.	7.3	104
24	Rare-Earth Upconverting Nanobarcodes for Multiplexed Biological Detection. <i>Small</i> , 2011, 7, 1972-1976.	5.2	96
25	Fluorescence Upconversion Microbarcodes for Multiplexed Biological Detection: Nucleic Acid Encoding. <i>Advanced Materials</i> , 2011, 23, 3775-3779.	11.1	169
26	CO ₂ -Mediated Synthesis of ZnO Nanorods and Their Application in Sensing Ethanol Vapor. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1252-1258.	0.9	6
27	Shape and Size Controlled Synthesis of Anatase Nanocrystals with the Assistance of Ionic Liquid. <i>Langmuir</i> , 2010, 26, 5129-5134.	1.6	36
28	The Immobilization of Glycidyl-Group-Containing Ionic Liquids and Its Application in CO ₂ Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2010, 16, 6687-6692.	1.7	47
29	Arginine-mediated synthesis of highly efficient catalysts for transfer hydrogenations of ketones. <i>Journal of Colloid and Interface Science</i> , 2010, 351, 501-506.	5.0	11
30	Study on the Anatase to Rutile Phase Transformation and Controlled Synthesis of Rutile Nanocrystals with the Assistance of Ionic Liquid. <i>Langmuir</i> , 2010, 26, 10294-10302.	1.6	80
31	Seeding Growth of Pd/Au Bimetallic Nanoparticles on Highly Cross-Linked Polymer Microspheres with Ionic Liquid and Solvent-Free Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3396-3400.	1.5	63
32	Ionic liquid-mediated synthesis of crystalline CeO ₂ mesoporous films and their application in aerobic oxidation of benzyl alcohol. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 386-390.	2.2	16
33	p-Aminophenylacetic acid-mediated synthesis of monodispersed titanium oxide hybrid microspheres in ethanol solution. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 468-473.	5.0	3
34	Pd nanoparticles immobilized on sepiolite by ionic liquids: efficient catalysts for hydrogenation of alkenes and Heck reactions. <i>Green Chemistry</i> , 2009, 11, 96-101.	4.6	89
35	A simple route to coat mesoporous SiO ₂ layer on carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2009, 19, 3725.	6.7	92
36	In Situ Controllable Loading of Ultrafine Noble Metal Particles on Titania. <i>Journal of the American Chemical Society</i> , 2009, 131, 6648-6649.	6.6	135

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37	One-pot synthesis of ZnS/polymer composites in supercritical CO ₂ –ethanol solution and their applications in degradation of dyes. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 110-115.	5.0	29
38	Fabrication of 3D-networks of native starch and their application to produce porous inorganic oxide networks through a supercritical route. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 104-109.	2.2	73
39	Palladium nanoparticles in polyethylene glycols: Efficient and recyclable catalyst system for hydrogenation of olefins. <i>Catalysis Communications</i> , 2008, 9, 70-74.	1.6	53
40	Low-temperature synthesis of Mn ₃ O ₄ nanoparticles loaded on multi-walled carbon nanotubes and their application in electrochemical capacitors. <i>Nanotechnology</i> , 2008, 19, 275709.	1.3	186
41	Imidazolium cation mediated synthesis of polystyrene–polyaniline core–shell structures. <i>Journal of Materials Chemistry</i> , 2008, 18, 5406.	6.7	25
42	Controlled fabrication of rare earth fluoride superstructures via a simple template-free route. <i>Nanotechnology</i> , 2007, 18, 125605.	1.3	44
43	Large-scale production of self-assembled SnO ₂ nanospheres and their application in high-performance chemiluminescence sensors for hydrogen sulfide gas. <i>Journal of Materials Chemistry</i> , 2007, 17, 1791.	6.7	75
44	Ionic Liquid-Assisted Immobilization of Rh on Attapulgite and Its Application in Cyclohexene Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2185-2190.	1.5	79
45	SnO ₂ /carbon nanotube nanocomposites synthesized in supercritical fluids: highly efficient materials for use as a chemical sensor and as the anode of a lithium-ion battery. <i>Nanotechnology</i> , 2007, 18, 435707.	1.3	118
46	Facile Synthesis of High Quality TiO ₂ Nanocrystals in Ionic Liquid via a Microwave-Assisted Process. <i>Journal of the American Chemical Society</i> , 2007, 129, 6362-6363.	6.6	310
47	Cycloaddition of CO ₂ to Epoxides Catalyzed by Polyaniline Salts. <i>Chemistry - A European Journal</i> , 2007, 13, 6992-6997.	1.7	64
48	CO ₂ Cycloaddition Reactions Catalyzed by an Ionic Liquid Grafted onto a Highly Cross-Linked Polymer Matrix. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7255-7258.	7.2	450
49	Synthesis of PtRu/carbon nanotube composites in supercritical fluid and their application as an electrocatalyst for direct methanol fuel cells. <i>Carbon</i> , 2007, 45, 536-542.	5.4	58
50	Preparation of titania/carbon nanotube composites using supercritical ethanol and their photocatalytic activity for phenol degradation under visible light irradiation. <i>Carbon</i> , 2007, 45, 1795-1801.	5.4	341
51	A Simple and Efficient Route to Prepare Inorganic Compound/Polymer Composites in Supercritical Fluids. <i>Macromolecular Rapid Communications</i> , 2006, 27, 787-792.	2.0	15
52	A new mechanism about the process of preparing nanoporous silica with activated carbon mold. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 121, 266-271.	1.7	6