

Hai-Quan Su

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8217140/publications.pdf>

Version: 2024-02-01

82
papers

2,893
citations

159585

30
h-index

175258

52
g-index

82
all docs

82
docs citations

82
times ranked

4203
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient catalyst of CuPt/TiO ₂ for photocatalytic direct dehydrogenation of methanol to methyl formate at ambient temperature. <i>Catalysis Science and Technology</i> , 2022, 12, 773-785.	4.1	8
2	Understanding of photocatalytic partial oxidation of methanol to methyl formate on surface doped La(Ce) TiO ₂ : Experiment and DFT calculation. <i>Journal of Catalysis</i> , 2022, 411, 31-40.	6.2	10
3	A luminescent view of the clickable assembly of LnF ₃ nanoclusters. <i>Nature Communications</i> , 2021, 12, 2948.	12.8	6
4	Barrier effect of SiO ₂ shell over hollow CeO ₂ /CuO@SiO ₂ catalysts for broadening temperature window of total CO conversion. <i>Journal of Rare Earths</i> , 2020, 38, 46-51.	4.8	10
5	MoSe ₂ : a promising non-noble metal catalyst for direct ethanol synthesis from syngas. <i>Fuel</i> , 2020, 281, 118760.	6.4	8
6	Photocatalytic partial oxidation of methanol to methyl formate under visible light irradiation on Bi-doped TiO ₂ via tuning band structure and surface hydroxyls. <i>RSC Advances</i> , 2020, 10, 31442-31452.	3.6	7
7	MoP with rich species generated via radio frequency thermal plasma for higher alcohols synthesis from syngas. <i>Plasma Science and Technology</i> , 2020, 22, 105502.	1.5	3
8	Ultra-small and highly-dispersed MoP particles for remarkable enhanced catalytic performance in higher alcohols synthesis. <i>Catalysis Communications</i> , 2020, 137, 105945.	3.3	7
9	Preparation of Organic-Free Two-Dimensional Kaolinite Nanosheets by In Situ Interlayer Fenton Reaction. <i>ChemistrySelect</i> , 2019, 4, 11604-11608.	1.5	8
10	Efficient preparation of kaolinite/methanol intercalation composite by using a Soxhlet extractor. <i>Scientific Reports</i> , 2019, 9, 8351.	3.3	13
11	Radio-frequency thermal plasma-induced novel chainmail-like core-shell MoO ₂ as highly stable catalyst for converting syngas to higher alcohols. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 63-71.	20.2	24
12	A stable mixed lanthanide metal-organic framework for highly sensitive thermometry. <i>Dalton Transactions</i> , 2019, 48, 3723-3729.	3.3	59
13	Copper on the inner surface of mesoporous TiO ₂ hollow spheres: a highly selective photocatalyst for partial oxidation of methanol to methyl formate. <i>Catalysis Science and Technology</i> , 2019, 9, 6240-6252.	4.1	15
14	Simultaneous morphology manipulation, upconversion luminescence enhancement and the photoelectric effect of NaGd _{0.78-x} Zr _x F ₄ :Yb ³⁺ /Er ³⁺ nanophosphors. <i>Journal of Luminescence</i> , 2019, 207, 443-453.	3.1	6
15	Change of Cu ⁺ species and synergistic effect of copper and cerium during reduction-oxidation treatment for preferential CO oxidation. <i>Applied Surface Science</i> , 2018, 441, 754-763.	6.1	31
16	A Novel Nitrogen Enriched Hydrochar Adsorbents Derived from Salix Biomass for Cr (VI) Adsorption. <i>Scientific Reports</i> , 2018, 8, 4040.	3.3	41
17	Inherently Eu ²⁺ /Eu ³⁺ Codoped Sc ₂ O ₃ Nanoparticles as High-Performance Nanothermometers. <i>Advanced Materials</i> , 2018, 30, e1705256.	21.0	203
18	Enhanced catalytic performance and promotional effect of molybdenum sulfide cluster-derived catalysts for higher alcohols synthesis from syngas. <i>Catalysis Today</i> , 2018, 316, 177-184.	4.4	9

#	ARTICLE	IF	CITATIONS
19	Remarkably boosting catalytic H ₂ evolution from ammonia borane through the visible-light-driven synergistic electron effect of non-plasmonic noble-metal-free nanoparticles and photoactive metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 424-432.	20.2	43
20	Insight into the role of UV-irradiation in photothermal catalytic Fischer–Tropsch synthesis over TiO ₂ nanotube-supported cobalt nanoparticles. <i>Catalysis Science and Technology</i> , 2018, 8, 601-610.	4.1	23
21	Promotion of Au ³⁺ reduction on catalytic performance over the Au/CuO CeO ₂ catalysts for preferential CO oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10322-10333.	7.1	21
22	Structural origin of high catalytic activity for preferential CO oxidation over CuO/CeO ₂ nanocatalysts with different shapes. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 665-676.	20.2	144
23	Bimetallic molybdenum nitride Co ₃ Mo ₃ N: a new promising catalyst for CO ₂ reforming of methane. <i>Catalysis Science and Technology</i> , 2017, 7, 1671-1678.	4.1	39
24	Highly Efficient Catalytic Hydrogen Evolution from Ammonia Borane Using the Synergistic Effect of Crystallinity and Size of Noble-Metal-Free Nanoparticles Supported by Porous Metal–Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10759-10767.	8.0	77
25	Insights into Li ⁺ -induced morphology evolution and upconversion luminescence enhancement of KSc ₂ F ₇ :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3503-3508.	5.5	42
26	From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots. <i>Small</i> , 2017, 13, 1601001.	10.0	69
27	Graphene: From Graphite to Graphene Oxide and Graphene Oxide Quantum Dots (<i>Small</i> 18/2017). <i>Small</i> , 2017, 13, .	10.0	3
28	Facile hydrothermal procedure to synthesize sheet-on-sheet reduced graphene oxide (RGO)/Cu _x O CeO ₂ nanocomposites for preferential oxidation of carbon monoxide. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14133-14143.	7.1	11
29	Sc ³⁺ -induced morphology, phase structure, and upconversion luminescence evolution of YF ₃ :Yb/Er nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6450-6456.	5.5	26
30	Visible-light-driven catalytic activity enhancement of Pd in AuPd nanoparticles for hydrogen evolution from formic acid at room temperature. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 497-504.	20.2	63
31	Highly efficient visible-light-driven catalytic hydrogen evolution from ammonia borane using non-precious metal nanoparticles supported by graphitic carbon nitride. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2288-2296.	10.3	66
32	Insight into the promotion mechanism of K and Ni in sulfide molybdenum-based catalysts for higher alcohols synthesis from syngas. <i>Catalysis Communications</i> , 2017, 91, 57-61.	3.3	14
33	A series of supramolecular complexes constructed from discrete lanthanide dinuclear butterfly-shaped clusters: Syntheses, structures and properties. <i>Inorganic Chemistry Communication</i> , 2017, 86, 70-73.	3.9	3
34	Non-Noble Metal Nanoparticles Supported by Postmodified Porous Organic Semiconductors: Highly Efficient Catalysts for Visible-Light-Driven On-Demand H ₂ Evolution from Ammonia Borane. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32767-32774.	8.0	30
35	Construction of bimetallic nanoparticles immobilized by porous functionalized metal-organic frameworks toward remarkably enhanced catalytic activity for the room-temperature complete conversion of hydrous hydrazine into hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 19096-19105.	7.1	32
36	Highly Water–Stable Lanthanide–Oxalate MOFs with Remarkable Proton Conductivity and Tunable Luminescence. <i>Advanced Materials</i> , 2017, 29, 1701804.	21.0	106

#	ARTICLE	IF	CITATIONS
37	RGO/MWCNTs/Cu x O-CeO 2 ternary nanocomposites for preferential CO oxidation in hydrogen-rich streams. Applied Surface Science, 2017, 426, 50-55.	6.1	9
38	Controlled Synthesis, Evolution Mechanisms, and Luminescent Properties of ScF_xLn (<i>x</i> = 2.76, 3) Nanocrystals. Chemistry of Materials, 2017, 29, 9758-9766.	6.7	22
39	Synthesis, crystal structure and luminescence properties of "paddle wheel" and "butterfly"-shaped polynuclear complexes. Journal of Molecular Structure, 2017, 1131, 190-195.	3.6	6
40	From ScOOH to Sc₂O₃: Phase Control, Luminescent Properties, and Applications. Advanced Materials, 2016, 28, 6665-6671.	21.0	31
41	Improvement role of CNTs on catalytic performance in the CeO2/xCNTs-CuO catalysts. International Journal of Hydrogen Energy, 2016, 41, 21979-21989.	7.1	16
42	Controlling catalytic dehydrogenation of formic acid over low-cost transition metal-substituted AuPd nanoparticles immobilized by functionalized metal-organic frameworks at room temperature. Journal of Materials Chemistry A, 2016, 4, 16645-16652.	10.3	49
43	Remarkable enhancement of the catalytic performance of molybdenum sulfide catalysts via an in situ decomposition method for higher alcohol synthesis from syngas. RSC Advances, 2016, 6, 112356-112362.	3.6	8
44	Morphology evolution, formation mechanism and adsorption properties of hydrochars prepared by hydrothermal carbonization of corn stalk. RSC Advances, 2016, 6, 107829-107835.	3.6	48
45	Exceptional size-dependent catalytic activity enhancement in the room-temperature hydrogen generation from formic acid over bimetallic nanoparticles supported by porous carbon. Journal of Materials Chemistry A, 2016, 4, 1887-1894.	10.3	64
46	Multi-wall carbon nanotubes as support of copper-cerium composite for preferential oxidation of carbon monoxide. Journal of Power Sources, 2015, 293, 1016-1023.	7.8	35
47	Influence of the structure and morphology of CuO supports on the amount and properties of copper-cerium interfacial sites in inverse CeO2/CuO catalysts. Journal of Molecular Catalysis A, 2015, 404-405, 193-203.	4.8	21
48	Efficient catalytic hydrolytic dehydrogenation of ammonia borane over surfactant-free bimetallic nanoparticles immobilized on amine-functionalized carbon nanotubes. International Journal of Hydrogen Energy, 2015, 40, 12315-12324.	7.1	36
49	Porous nitrogen-doped carbon-immobilized bimetallic nanoparticles as highly efficient catalysts for hydrogen generation from hydrolysis of ammonia borane. Journal of Materials Chemistry A, 2015, 3, 22807-22815.	10.3	58
50	Multishell hollow CeO2/CuO microbox catalysts for preferential CO oxidation in H2-rich stream. Catalysis Communications, 2015, 72, 105-110.	3.3	13
51	Synthesis of Star Poly(N-isopropylacrylamide) with a Core of Cucurbit[6]uril via ATRP and Controlled Thermoresponsivity. Macromolecular Rapid Communications, 2015, 36, 311-318.	3.9	11
52	Synthesis and characterization of iron-based catalyst on mesoporous titania for photo-thermal F-T synthesis. International Journal of Hydrogen Energy, 2015, 40, 870-877.	7.1	20
53	Binary metal oxide: advanced energy storage materials in supercapacitors. Journal of Materials Chemistry A, 2015, 3, 43-59.	10.3	523
54	Synthesis of monodisperse Bi₂O₃-modified CeO₂nanospheres with excellent photocatalytic activity under visible light. CrystEngComm, 2015, 17, 671-677.	2.6	40

#	ARTICLE	IF	CITATIONS
55	Effect of Precursor Concentration on CeO ₂ /Co ₃ O ₄ Catalysts for CH ₄ /CO ₂ Reforming. <i>Catalysis Letters</i> , 2014, 144, 561-566.	2.6	4
56	Deactivation analyses of CeO ₂ /CuO catalysts in the preferential oxidation of carbon monoxide. <i>Journal of Power Sources</i> , 2014, 261, 46-54.	7.8	34
57	Promotion effect of metal oxides on inverse CeO ₂ /CuO catalysts for preferential oxidation of CO. <i>Catalysis Communications</i> , 2014, 45, 16-20.	3.3	10
58	Fabrication and characterization of novel magnetic/luminescent multifunctional nanocomposites for controlled drug release. <i>CrystEngComm</i> , 2014, 16, 6645.	2.6	18
59	Preparations and characterizations of Ce^{3+} -Ce ₂ S ₃ @SiO ₂ pigments from pre-coated CeO ₂ with improved thermal and acid stabilities. <i>RSC Advances</i> , 2014, 4, 23653.	3.6	25
60	Bifunctional dual-modal luminescence nanocomposites: grafting down luminescence onto core-shell, up-conversion silica nanoarchitecture. <i>RSC Advances</i> , 2014, 4, 33749.	3.6	2
61	Active sites over CuO/CeO ₂ and inverse CeO ₂ /CuO catalysts for preferential CO oxidation. <i>Journal of Power Sources</i> , 2014, 256, 301-311.	7.8	75
62	Effects of the precursor size on the morphologies and properties of Ce^{3+} -Ce ₂ S ₃ as a pigment. <i>Journal of Rare Earths</i> , 2014, 32, 540-544.	4.8	25
63	Cobalt-based catalysts derived from cobalt carbonyl clusters for Fischer-Tropsch synthesis. <i>Chinese Journal of Catalysis</i> , 2014, 35, 342-350.	14.0	7
64	Inverse CeO ₂ /CuO Catalysts Prepared by Hydrothermal Method for Preferential CO Oxidation. <i>Catalysis Letters</i> , 2013, 143, 1018-1024.	2.6	8
65	Inverse CeO ₂ /CuO catalysts prepared by different precipitants for preferential CO oxidation in hydrogen-rich streams. <i>Catalysis Science and Technology</i> , 2013, 3, 3163.	4.1	12
66	Trapping the catalyst working state by amber-inspired hybrid material to reveal the cobalt nanostructure evolution in clean liquid fuel synthesis. <i>Catalysis Science and Technology</i> , 2013, 3, 2639.	4.1	11
67	A synthesis and up-conversion photoluminescence study of hexagonal phase NaYF ₄ :Yb,Er nanoparticles. <i>CrystEngComm</i> , 2013, 15, 10100.	2.6	22
68	An upconversion NaYF ₄ :Yb ³⁺ ,Er ³⁺ /TiO ₂ core-shell nanoparticle photoelectrode for improved efficiencies of dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2013, 226, 47-53.	7.8	87
69	Influence of crystallite size and interface on the catalytic performance over the CeO ₂ /CuO catalysts. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14542-14549.	7.1	16
70	Comparative study of CeO ₂ /CuO and CuO/CeO ₂ catalysts on catalytic performance for preferential CO oxidation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 3597-3605.	7.1	65
71	Effect of oligomeric-modified montmorillonite on morphology and properties of polycarbonate/montmorillonite nanocomposites. <i>Polymer Composites</i> , 2013, 34, 722-731.	4.6	3
72	Facile Syntheses of Cucurbit[6]uril-Anchored Polymers and Their Noncovalent Modification. <i>Macromolecules</i> , 2013, 46, 1274-1282.	4.8	13

#	ARTICLE	IF	CITATIONS
73	Synthesis of Cobalt-Based Catalyst Supported on TiO ₂ Nanotubes and its Fischer-Tropsch Reaction. <i>Integrated Ferroelectrics</i> , 2013, 147, 59-66.	0.7	7
74	CeO ₂ nanoparticles supported on CuO with petal-like and sphere-flower morphologies for preferential CO oxidation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11640-11649.	7.1	34
75	Hydrogen Bond and π - π Interactions in a 3D Supramolecular Structure Containing 1D Helical Chains. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 2361-2364.	1.2	0
76	Characterization of Cobalt-Based Catalyst Supported on CeO ₂ Nanocubes for Fischer-Tropsch Synthesis. <i>Integrated Ferroelectrics</i> , 2012, 138, 32-37.	0.7	3
77	Catalytic performance of a three-dimensionally ordered macroporous Co/ZrO ₂ catalyst in Fischer-Tropsch synthesis. <i>Journal of Molecular Catalysis A</i> , 2012, 360, 16-25.	4.8	49
78	Inverse rod-like CeO ₂ supported on CuO prepared by hydrothermal method for preferential oxidation of carbon monoxide. <i>Catalysis Communications</i> , 2012, 23, 62-66.	3.3	51
79	Hydrothermal Synthesis and Characterization of a Polymeric Network Constructed by Tetranuclear [Yb ₄ (μ_3 -OH) ₄] ⁸⁺ Cluster and 2,2'-bipyridine-3,3'-dicarboxylate. <i>Journal of Cluster Science</i> , 2010, 21, 691-699.	3.3	3
80	Hydrothermal synthesis and characterization of a zigzag neodymium-2,2'-bipyridine-3,3'-dicarboxylate-isonicotinate coordination polymer. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1744-1751.	2.2	4
81	Synthesis, crystal structure and properties of a new lanthanide-transition metal carbonyl cluster. <i>Applied Organometallic Chemistry</i> , 2009, 23, 86-90.	3.5	7
82	Resonance Raman and time-resolved resonance Raman spectra of the monomeric and dimeric complexes of ruthenium(II) with 2,3-bis(2-pyridyl)pyrazine (dpp). <i>Journal of Raman Spectroscopy</i> , 2003, 34, 907-916.	2.5	8