

Jing-He Yang

List of Publications by Year in descending order

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63
papers

2,217
citations

172457

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223800

46
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all docs

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docs citations

63
times ranked

3219
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in facet-dependent photocatalytic properties of BiOCl catalyst for environmental remediation. <i>Reviews in Inorganic Chemistry</i> , 2023, 43, 221-245.	4.1	2
2	Modulating surface segregation of Ni ₂ P-Ru ₂ P/CCG nanoparticles for boosting hydrogen evolution reaction in pH-universal. <i>Chemical Engineering Journal</i> , 2022, 432, 134422.	12.7	17
3	Bimetallic Cu-Ni/MCM-41 catalyst for efficiently selective transfer hydrogenation of furfural into furfural alcohol. <i>Molecular Catalysis</i> , 2022, 517, 112065.	2.0	12
4	Research progress and applications of nickel-based catalysts for electrooxidation of urea. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7693-7712.	7.1	33
5	Fixation of N ₂ into Value-Added Organic Chemicals. <i>ACS Catalysis</i> , 2022, 12, 2898-2906.	11.2	20
6	Effect of Ru Deposition on the Mechanism of Photocatalytic Water Splitting by GaZnNO Solid Solution. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4000-4007.	3.1	1
7	Precious metal nanomaterial-modified electrochemical sensors for nitrite detection. <i>Ionics</i> , 2022, 28, 2041-2064.	2.4	12
8	Selective Hydrogenation of Furfural: Pure Silica Supported Metal Catalysts. <i>ChemistrySelect</i> , 2022, 7, .	1.5	5
9	Ruthenium-manganese phosphide nanohybrid supported on graphene for efficient hydrogen evolution reaction in acid and alkaline conditions. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 13876-13886.	7.1	12
10	Leaf-veins-inspired nickel phosphate nanotubes-reduced graphene oxide composite membranes for ultrafast organic solvent nanofiltration. <i>Journal of Membrane Science</i> , 2022, 649, 120401.	8.2	20
11	Morphology-controllable nanocrystal $\text{Ni}(\text{OH})_2/\text{NF}$ designed by hydrothermal etching method as high-efficiency electrocatalyst for overall water splitting. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 115035.	3.8	28
12	Highly dispersed and ultra-small Ru nanoparticles deposited on silica support as highly active and stable catalyst for biphenyl hydrogenation. <i>Molecular Catalysis</i> , 2021, 508, 111577.	2.0	2
13	CuO-Ni(OH) ₂ nanosheets as effective electro-catalysts for urea oxidation. <i>Applied Surface Science</i> , 2021, 560, 150009.	6.1	31
14	Nickel foam supported cobalt phosphate electrocatalyst for alkaline oxygen evolution reaction. <i>Journal of Power Sources</i> , 2020, 461, 228165.	7.8	29
15	Bimetallic Pd-M (M = Pt, Ni, Cu, Co) nanoparticles catalysts with strong electrostatic metal-support interaction for hydrogenation of toluene and benzene. <i>Molecular Catalysis</i> , 2020, 492, 110992.	2.0	17
16	Cobalt Phosphide-Embedded Reduced Graphene Oxide as a Bifunctional Catalyst for Overall Water Splitting. <i>ACS Omega</i> , 2020, 5, 6516-6522.	3.5	31
17	Encapsulation of Ammonia Borane in Pd/Halloysite Nanotubes for Efficient Thermal Dehydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2122-2129.	6.7	53
18	Enhancing the matching of acid/metal balance by engineering an extra Si-Al framework outside the Pd/HBeta catalyst towards benzene hydroalkylation. <i>Catalysis Science and Technology</i> , 2020, 10, 1467-1476.	4.1	17

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19	Iron Carbides: Control Synthesis and Catalytic Applications in CO _x Hydrogenation and Electrochemical HER. <i>Advanced Materials</i> , 2019, 31, e1901796.	21.0	69
20	Ruthenium-Cobalt Nanoalloy Embedded within Hollow Carbon Spheres as a Bifunctionally Robust Catalyst for Hydrogen Generation from Water Splitting and Ammonia Borane Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18744-18752.	6.7	60
21	Enhanced cobalt-based catalysts through alloying ruthenium to cobalt lattice matrix as an efficient catalyst for overall water splitting. <i>Electrochimica Acta</i> , 2019, 327, 134958.	5.2	24
22	Nickel phosphate materials regulated by doping cobalt for urea and methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16305-16314.	7.1	54
23	New Insights into Layered Graphene Materials as Substrates to Regulate Synthesis of Ni-P Nanomaterials for Electrocatalytic Oxidation of Methanol and Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45189-45198.	8.0	18
24	Preparation of ternary Pd/CeO ₂ -nitrogen doped graphene composites as recyclable catalysts for solvent-free aerobic oxidation of benzyl alcohol. <i>Applied Surface Science</i> , 2019, 471, 852-861.	6.1	60
25	Polydopamine-coated halloysite nanotubes supported AgPd nanoalloy: An efficient catalyst for hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 2754-2762.	7.1	65
26	High-performance supercapacitors based on porous activated carbons from cattail wool. <i>Journal of Materials Science</i> , 2018, 53, 9191-9205.	3.7	23
27	Heterogeneous liquid phase oxidation of ethylbenzene to acetophenone with graphene carbon-based catalyst. <i>Chemical Papers</i> , 2018, 72, 2203-2214.	2.2	3
28	Preparation of bimetallic Cu-Co nanocatalysts on poly (diallyldimethylammonium chloride) functionalized halloysite nanotubes for hydrolytic dehydrogenation of ammonia borane. <i>Applied Surface Science</i> , 2018, 427, 106-113.	6.1	116
29	Nickel phosphate as advanced promising electrochemical catalyst for the electro-oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12091-12102.	7.1	33
30	Sensitive Determination of Dopamine and Paracetamol Based on Carbon Nanotubes-Supported Pd Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 500-509.	0.9	2
31	Sensitive Detection of Rifampicin Based on Au-Carbon Nanocomposite. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 62-67.	0.9	5
32	The assembly of two isomorphous coordination compounds based on 1,4-cyclohexanedicarboxylic acid and 2,4-diamino-6-phenyl-1,3,5-triazine. <i>Journal of Solid State Chemistry</i> , 2017, 246, 346-350.	2.9	9
33	Facile synthesis of 3D nitrogen-doped graphene aerogel nanomeshes with hierarchical porous structures for applications in high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 5291-5296.	2.8	14
34	AuPd bimetallic nanoparticle-supported carbon nanotubes for selective detection of dopamine in the presence of ascorbic acid. <i>Analytical Methods</i> , 2017, 9, 3191-3199.	2.7	17
35	The additive effect of graphene in nickel phosphate/graphene composite and enhanced activity for electrochemical oxidation of methanol. <i>Applied Surface Science</i> , 2017, 416, 503-510.	6.1	37
36	A sensitive and selective electrochemical nitrite sensor based on a glassy carbon electrode modified with cobalt phthalocyanine-supported Pd nanoparticles. <i>Analytical Methods</i> , 2017, 9, 3166-3171.	2.7	43

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37	Facile synthesis of ultrathin Ni(OH) ₂ -Cu ₂ S hexagonal nanosheets hybrid for oxygen evolution reaction. <i>Journal of Power Sources</i> , 2017, 359, 52-56.	7.8	37
38	Nickel phosphate-based materials with excellent durability for urea electro-oxidation. <i>Electrochimica Acta</i> , 2017, 251, 284-292.	5.2	60
39	3D nitrogen-doped graphene aerogel nanomesh: Facile synthesis and electrochemical properties as the electrode materials for supercapacitors. <i>Applied Surface Science</i> , 2017, 426, 924-932.	6.1	42
40	A sensitive and reliable rutin electrochemical sensor based on palladium phthalocyanine-MWCNTs-Nafion nanocomposite. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1219-1228.	2.5	54
41	Liquid-Phase Heterogeneous Catalytic Reactions by Metal-Free Graphene-Based Catalysts. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2016, 32, 75-84.	4.9	6
42	Graphene quantum dots derived from carbon fibers for oxidation of dopamine. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 1294-1297.	1.0	18
43	Iron phthalocyanine-graphene donor-acceptor hybrids for visible-light-assisted degradation of phenol in the presence of H ₂ O ₂ . <i>Applied Catalysis B: Environmental</i> , 2016, 192, 182-192.	20.2	93
44	Syntheses, structures and properties of two new coordination polymers based on d-camphoric acid and 2-phenyl-4,6-diamino-1,3,5-triazine. <i>Journal of Solid State Chemistry</i> , 2015, 225, 135-140.	2.9	10
45	Graphenol defects induced blue emission enhancement in chemically reduced graphene quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22361-22366.	2.8	68
46	Microwave-assisted synthesis graphite-supported Pd nanoparticles for detection of nitrite. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 652-658.	7.8	54
47	Different dimensional coordination polymers with 4,4'-oxybis(benzoate): Syntheses, structures and properties. <i>Journal of Solid State Chemistry</i> , 2014, 215, 277-283.	2.9	16
48	A bilayer triangular lattice with crown-like Co ⁷⁺ spin cluster SBUs exhibiting high spin frustration. <i>Chemical Communications</i> , 2014, 50, 8558-8560.	4.1	31
49	Graphene-supported nanoscale zero-valent iron: Removal of phosphorus from aqueous solution and mechanistic study. <i>Journal of Environmental Sciences</i> , 2014, 26, 1751-1762.	6.1	114
50	Batch fabrication of mesoporous boron-doped nickel oxide nanoflowers for electrochemical capacitors. <i>Materials Research Bulletin</i> , 2014, 59, 382-386.	5.2	6
51	Nickel phosphate molecular sieve as electrochemical capacitors material. <i>Journal of Power Sources</i> , 2014, 260, 169-173.	7.8	32
52	Boron-doped Ni(OH) ₂ nanoflowers with high specific surface area as electrochemical capacitor materials. <i>Materials Letters</i> , 2014, 128, 380-383.	2.6	9
53	Growth mechanism of N-doped graphene materials and their catalytic behavior in the selective oxidation of ethylbenzene. <i>Chinese Journal of Catalysis</i> , 2014, 35, 922-928.	14.0	32
54	Graphene supported chromium carbide material synthesized from Cr-based MOF/graphene oxide composites. <i>Materials Letters</i> , 2014, 130, 111-114.	2.6	18

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55	Graphene-supported Pd nanoparticles: microwave-assisted synthesis and as microwave-active selective hydrogenation catalysts. <i>RSC Advances</i> , 2013, 3, 10131.	3.6	17
56	Cobalt Phthalocyanine-Graphene Oxide Nanocomposite: Complicated Mutual Electronic Interaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3785-3788.	3.1	102
57	Gourd-shaped silver nanoparticle-graphene composite for electrochemical oxidation of glucose. <i>Materials Letters</i> , 2013, 97, 133-136.	2.6	6
58	Direct catalytic oxidation of benzene to phenol over metal-free graphene-based catalyst. <i>Energy and Environmental Science</i> , 2013, 6, 793.	30.8	226
59	Electrochemical oxidation of methanol on mesoporous nickel phosphates and Si-incorporated mesoporous nickel phosphates. <i>Electrochemistry Communications</i> , 2013, 27, 141-143.	4.7	32
60	Graphene-supported Iron Phosphide Nanoparticles for Fischer-Tropsch Synthesis. <i>Acta Chimica Sinica</i> , 2013, 71, 1365.	1.4	4
61	Cobalt phthalocyanine-graphene complex for electro-catalytic oxidation of dopamine. <i>Journal of Natural Gas Chemistry</i> , 2012, 21, 265-269.	1.8	46
62	Electro-oxidation of methanol on mesoporous nickel phosphate modified GCE. <i>Electrochemistry Communications</i> , 2012, 23, 13-16.	4.7	62
63	Aqueous phase Fischer-Tropsch synthesis in a continuous flow reactor. <i>Catalysis Today</i> , 2012, 183, 136-142.	4.4	28