

Yi Wang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

2,543
citations

24
h-index

50
g-index

53
ext. papers

3,245
ext. citations

7
avg, IF

5.33
L-index

#	Paper	IF	Citations
51	Quantitative susceptibility map reconstruction from MR phase data using bayesian regularization: validation and application to brain imaging. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 194-206	4.4	457
50	Morphology enabled dipole inversion for quantitative susceptibility mapping using structural consistency between the magnitude image and the susceptibility map. <i>NeuroImage</i> , 2012 , 59, 2560-8	7.9	303
49	A novel background field removal method for MRI using projection onto dipole fields (PDF). <i>NMR in Biomedicine</i> , 2011 , 24, 1129-36	4.4	256
48	Quantitative MR susceptibility mapping using piece-wise constant regularized inversion of the magnetic field. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 1003-9	4.4	207
47	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 951-971	5.6	128
46	Salt template-assisted in situ construction of Ru nanoclusters and porous carbon: excellent catalysts toward hydrogen evolution, ammonia-borane hydrolysis, and 4-nitrophenol reduction. <i>Green Chemistry</i> , 2020 , 22, 835-842	10	89
45	Preconditioned total field inversion (TFI) method for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 303-315	4.4	75
44	MEDI+0: Morphology enabled dipole inversion with automatic uniform cerebrospinal fluid zero reference for quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2795-2803	4.4	73
43	Reproducibility of quantitative susceptibility mapping in the brain at two field strengths from two vendors. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1592-600	5.6	69
42	Facile synthesis of effective Ru nanoparticles on carbon by adsorption-low temperature pyrolysis strategy for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14380-14386	13	63
41	Simultaneous phase unwrapping and removal of chemical shift (SPURS) using graph cuts: application in quantitative susceptibility mapping. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 531-40	11.7	62
40	Ultrafine and highly dispersed Ru nanoparticles supported on nitrogen-doped carbon nanosheets: Efficient catalysts for ammonia borane hydrolysis. <i>Applied Surface Science</i> , 2018 , 455, 326-332	6.7	53
39	Carbon-supported small Rh nanoparticles prepared with sodium citrate: Toward high catalytic activity for hydrogen evolution from ammonia borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 2718-2725	6.7	52
38	Hyper-cross-linked polymer supported rhodium: an effective catalyst for hydrogen evolution from ammonia borane. <i>Dalton Transactions</i> , 2018 , 47, 2561-2567	4.3	50
37	Nitrogen-Doped Carbon-Stabilized Ru Nanoclusters as Excellent Catalysts for Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1178-1184	8.3	49
36	Towards High-Efficiency Hydrogen Production through in situ Formation of Well-Dispersed Rhodium Nanoclusters. <i>ChemSusChem</i> , 2018 , 11, 3253-3258	8.3	44
35	Well-Defined Ru Nanoclusters Anchored on Carbon: Facile Synthesis and High Electrochemical Activity toward Alkaline Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 11487-11492	8.3	39

34	Ruthenium coordinated with triphenylphosphine-hyper-crosslinked polymer: An efficient catalyst for hydrogen evolution reaction and hydrolysis of ammonia borane. <i>Applied Surface Science</i> , 2019 , 466, 193-201	6.7	34
33	Ultra-high Catalytic Activity of L-Proline-Functionalized Rh Nanoparticles for Methanolysis of Ammonia Borane. <i>ChemSusChem</i> , 2019 , 12, 535-541	8.3	32
32	Efficient hydrogen evolution from ammonia borane hydrolysis with Rh decorated on phosphorus-doped carbon. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 16548-16556	6.7	31
31	Quantitative susceptibility mapping (QSM) minimizes interference from cellular pathology in R2* estimation of liver iron concentration. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 1069-1079	5.6	31
30	Sustainable one-pot construction of oxygen-rich nitrogen-doped carbon nanosheets stabilized ultrafine Rh nanoparticles for efficient ammonia borane hydrolysis. <i>Journal of Colloid and Interface Science</i> , 2021 , 594, 131-140	9.3	28
29	Air-engaged fabrication of nitrogen-doped carbon skeleton as an excellent platform for ultrafine well-dispersed RuNi alloy nanoparticles toward efficient hydrolysis of ammonia borane. <i>Fuel</i> , 2021 , 297, 120750	7.1	28
28	Alumina nanofiber-stabilized ruthenium nanoparticles: Highly efficient catalytic materials for hydrogen evolution from ammonia borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 24142-24149	6.7	26
27	Multicenter reproducibility of quantitative susceptibility mapping in a gadolinium phantom using MEDI+0 automatic zero referencing. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 1229-1236	4.4	22
26	Catalytically active rhodium nanoparticles stabilized by nitrogen doped carbon for the hydrolysis of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 22273-22280	6.7	22
25	Ruthenium nanoclusters distributed on phosphorus-doped carbon derived from hypercrosslinked polymer networks for highly efficient hydrolysis of ammonia-borane. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 18253-18260	6.7	22
24	Bagasse-derived Carbon-supported Ru nanoparticles as Catalyst for Efficient Dehydrogenation of Ammonia Borane. <i>ChemNanoMat</i> , 2020 , 6, 1251-1259	3.5	18
23	Universal low-temperature oxidative thermal redispersion strategy for green and sustainable fabrication of oxygen-rich carbons anchored metal nanoparticles for hydrogen evolution reactions. <i>Chemical Engineering Journal</i> , 2021 , 433, 133648	14.7	17
22	Facile, general and environmental-friendly fabrication of O/N-codoped porous carbon as a universal matrix for efficient hydrogen evolution electrocatalysts. <i>Chemical Engineering Journal</i> , 2021 , 420, 130483	14.7	17
21	Ultrafast, dry microwave-assisted surface property modulations to boost carbon stabilized Ru nanocatalyst for catalytic hydrogen evolution. <i>Fuel</i> , 2022 , 309, 122203	7.1	16
20	Rapid automated liver quantitative susceptibility mapping. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 725-732	5.6	14
19	Carbon nanopore and anchoring site-assisted general construction of encapsulated metal (Rh, Ru, Ir) nanoclusters for highly efficient hydrogen evolution in pH-universal electrolytes and natural seawater. <i>Green Chemistry</i> , 2021 , 23, 4551-4559	10	14
18	Steam pretreatment-mediated catalytic activity modulation for ammonia borane hydrolysis over ruthenium nanoclusters on nitrogen/oxygen-rich carbon nanotubes. <i>Applied Surface Science</i> , 2022 , 579, 152158	6.7	13
17	Amino-group and space-confinement assisted synthesis of small and well-defined Rh nanoparticles as efficient catalysts toward ammonia borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 2204-2212	6.7	13

16	Alkaline ultrasonic irradiation-mediated boosted H ₂ production over O/N-rich porous carbon anchored Ru nanoclusters.. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 57-65	9.3	12
15	Ultrasmall rhodium nanoclusters anchored on nitrogen-doped carbon nanotubes with embedded nickel nanoparticles as magnetically recyclable catalysts for efficient ammonia-borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 1640-1648	6.7	12
14	Ultrasmall Rh nanoparticles decorated on carbon nanotubes with encapsulated Ni nanoparticles as excellent and pH-universal electrocatalysts for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2019 , 495, 143569	6.7	11
13	A simple and straightforward strategy for synthesis of N,P co-doped porous carbon: an efficient support for Rh nanoparticles for dehydrogenation of ammonia borane and catalytic application. <i>Nanoscale Advances</i> , 2020 , 2, 1685-1693	5.1	9
12	Air-mediated construction of O, N-rich carbon: An efficient support of palladium nanoparticles toward catalytic formic acid dehydrogenation and 4-nitrophenol reduction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 29034-29045	6.7	9
11	Surface property and spatial confinement engineering for achieving Ru nanoclusters on O/N-doped hollow carbon towards enhanced hydrogen production. <i>Fuel</i> , 2021 , 306, 121722	7.1	5
10	Cobalt with porous carbon architecture: Towards of 4-nitrophenol degradation and reduction. <i>Separation and Purification Technology</i> , 2022 , 288, 120595	8.3	3
9	Catalytic Hydrolysis of Sodium Borohydride for Hydrogen Production Using Magnetic Recyclable CoFe ₂ O ₄ -Modified Transition-Metal Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021 , 4, 11312-11320	5.6	3
8	Strong electrostatic adsorption-engaged fabrication of sub-3.0 nm PtRu alloy nanoparticles as synergistic electrocatalysts toward hydrogen evolution. <i>Nanoscale</i> , 2021 , 13, 10044-10050	7.7	3
7	Maximizing hydrogen production by AB hydrolysis with Pt@cobalt oxide/N,O-rich carbon and alkaline ultrasonic irradiation. <i>Inorganic Chemistry Frontiers</i> ,	6.8	3
6	Integrated quantitative susceptibility and R* mapping for evaluation of liver fibrosis: An ex vivo feasibility study. <i>NMR in Biomedicine</i> , 2021 , 34, e4412	4.4	2
5	Fluorescent Zn Chemosensor Mediated by a 1,8-Naphthyridine Derivative and Its Photophysical Properties. <i>ChemistryOpen</i> , 2018 , 7, 639-644	2.3	2
4	Carbon-nanosheet-driven spontaneous deposition of Au nanoparticles for efficient electrochemical utilizations toward H ₂ O ₂ generation and detection. <i>Chemical Engineering Journal</i> , 2022 , 445, 136586	14.7	2
3	Low-temperature control over deposition of ultrafine Pd nanoparticles on porous carbon nanosheets for highly efficient dehydrogenation of ammonia borane. <i>Journal of Alloys and Compounds</i> , 2022 , 165076	5.7	0
2	Defect-dominated carbon deposited Pd nanoparticles enhanced catalytic performance of formic acid dehydrogenation. <i>Applied Surface Science</i> , 2022 , 153590	6.7	0
1	The simplest and ultrafast microwave-mediated solid-state construction of cobalt oxide/carbon hybrid as an efficient peroxydisulfate activator for ciprofloxacin degradation. <i>Separation and Purification Technology</i> , 2022 , 121346	8.3	0