

Mi Xiong

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,376
citations

279798

23
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

2887
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced hydrogen generation by reverse spillover effects over bicomponent catalysts. <i>Nature Communications</i> , 2022, 13, 118.	12.8	44
2	Interfacial compatibility critically controls Ru/TiO ₂ metal-support interaction modes in CO ₂ hydrogenation. <i>Nature Communications</i> , 2022, 13, 327.	12.8	104
3	Engineering of platinum's oxygen vacancy interfacial sites in confined catalysts for enhanced hydrogenation selectivity. <i>Catalysis Science and Technology</i> , 2022, 12, 2411-2415.	4.1	4
4	Concurrently Achieving High Discharged Energy Density and Efficiency in Composites by Introducing Ultralow Loadings of Core-Shell Structured Graphene@TiO ₂ Nanoboxes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29292-29301.	8.0	17
5	Amphiphilic confined Pt-based nanocatalysts produced by atomic layer deposition with enhanced catalytic performance for biphasic reactions. <i>Green Chemistry</i> , 2021, 23, 8116-8123.	9.0	11
6	Spillover in Heterogeneous Catalysis: New Insights and Opportunities. <i>ACS Catalysis</i> , 2021, 11, 3159-3172.	11.2	175
7	Improved electrochemical performance of CoOx-NiO/Ti ₃ C ₂ T _x MXene nanocomposites by atomic layer deposition towards high capacitance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158546.	5.5	38
8	Modulating Electronic Structure of an Au@Nanorod@Core@PdPt@Alloy@Shell Catalyst for Efficient Alcohol Electrooxidation. <i>Advanced Energy Materials</i> , 2021, 11, 2100812.	19.5	60
9	In situ tuning of electronic structure of catalysts using controllable hydrogen spillover for enhanced selectivity. <i>Nature Communications</i> , 2020, 11, 4773.	12.8	81
10	Platinum Nanoparticle-Deposited Ti ₃ C ₂ T _x MXene for Hydrogen Evolution Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1822-1828.	3.7	79
11	Atomic Carbon Layers Supported Pt Nanoparticles for Minimized CO Poisoning and Maximized Methanol Oxidation. <i>Small</i> , 2019, 15, e1902951.	10.0	47
12	Origin of synergistic effects in bicomponent cobalt oxide-platinum catalysts for selective hydrogenation reaction. <i>Nature Communications</i> , 2019, 10, 4166.	12.8	132
13	Highly Efficient Microwave Absorption of Magnetic Nanospindle@Conductive Polymer Hybrids by Molecular Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11116-11125.	8.0	91
14	Highly efficient CoO _x /SBA-15 catalysts prepared by atomic layer deposition for the epoxidation reaction of styrene. <i>Catalysis Science and Technology</i> , 2017, 7, 2032-2038.	4.1	45
15	Porous TiO ₂ Nanotubes with Spatially Separated Platinum and CoO _x Cocatalysts Produced by Atomic Layer Deposition for Photocatalytic Hydrogen Production. <i>Angewandte Chemie</i> , 2017, 129, 834-838.	2.0	16
16	Porous TiO ₂ Nanotubes with Spatially Separated Platinum and CoO _x Cocatalysts Produced by Atomic Layer Deposition for Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 816-820.	13.8	293
17	Design and Properties of Confined Nanocatalysts by Atomic Layer Deposition. <i>Accounts of Chemical Research</i> , 2017, 50, 2309-2316.	15.6	134
18	Highly dispersed Pt nanoparticles supported on carbon nanotubes produced by atomic layer deposition for hydrogen generation from hydrolysis of ammonia borane. <i>Catalysis Science and Technology</i> , 2017, 7, 322-329.	4.1	96

#	ARTICLE	IF	CITATIONS
19	Coaxial multi-interface hollow Ni-Al ₂ O ₃ -ZnO nanowires tailored by atomic layer deposition for selective-frequency absorptions. Nano Research, 2017, 10, 1595-1607.	10.4	82
20	Ultrathin Coating of Confined Pt Nanocatalysts by Atomic Layer Deposition for Enhanced Catalytic Performance in Hydrogenation Reactions. Chemistry - A European Journal, 2016, 22, 8438-8443.	3.3	31
21	A Tandem Catalyst with Multiple Metal Oxide Interfaces Produced by Atomic Layer Deposition. Angewandte Chemie, 2016, 128, 7197-7201.	2.0	22
22	A Tandem Catalyst with Multiple Metal Oxide Interfaces Produced by Atomic Layer Deposition. Angewandte Chemie - International Edition, 2016, 55, 7081-7085.	13.8	88
23	Ultrathin Coating of Confined Pt Nanocatalysts by Atomic Layer Deposition for Enhanced Catalytic Performance in Hydrogenation Reactions. Chemistry - A European Journal, 2016, 22, 8385-8385.	3.3	2
24	Ni nanoparticles supported on CNTs with excellent activity produced by atomic layer deposition for hydrogen generation from the hydrolysis of ammonia borane. Catalysis Science and Technology, 2016, 6, 2112-2119.	4.1	98
25	Multiply Confined Nickel Nanocatalysts Produced by Atomic Layer Deposition for Hydrogenation Reactions. Angewandte Chemie - International Edition, 2015, 54, 9006-9010.	13.8	96
26	High Efficiency Cu-ZnO Hydrogenation Catalyst: The Tailoring of Cu-ZnO Interface Sites by Molecular Layer Deposition. ACS Catalysis, 2015, 5, 5567-5573.	11.2	99
27	High densities of magnetic nanoparticles supported on graphene fabricated by atomic layer deposition and their use as efficient synergistic microwave absorbers. Nano Research, 2014, 7, 704-716.	10.4	316
28	Uniform and Conformal Carbon Nanofilms Produced Based on Molecular Layer Deposition. Materials, 2013, 6, 5602-5612.	2.9	24
29	Synthesis and catalytic activity of mesostructured Kf/CaxAl ₂ O _(x+3) for the transesterification reaction to produce biodiesel. RSC Advances, 2012, 2, 12337.	3.6	28