Minda Chen

List of Publications by Year
in descending order

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29	630	687363 13	580821 25
papers	citations	h-index	g-index

30	30	30	893
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	General Synthetic Strategy to Ordered Mesoporous Carbon Catalysts with Singleâ€Atom Metal Sites for Electrochemical CO₂ Reduction. Small, 2022, 18, e2107799.	10.0	13
2	General Synthetic Strategy to Ordered Mesoporous Carbon Catalysts with Singleâ€Atom Metal Sites for Electrochemical CO₂ Reduction (Small 16/2022). Small, 2022, 18, .	10.0	3
3	Mesoporous Silica Encapsulated Platinumâ€“Tin Intermetallic Nanoparticles Catalyze Hydrogenation with an Unprecedented 20% Pairwise Selectivity for Parahydrogen Enhanced Nuclear Magnetic Resonance. Journal of Physical Chemistry Letters, 2022, 13, 4125-4132.	4.6	4
4	Structure evolution of single-site Pt in a metalâ€“organic framework. Journal of Chemical Physics, 2021, 154, 094710.	3.0	1
5	Tandem Synthesis of Ïµâ€Caprolactam from Cyclohexanone by an Acidified Metalâ€organic Framework. ChemCatChem, 2021, 13, 3084-3089.	3.7	3
6	Shape Stability of Truncated Octahedral fcc Metal Nanocrystals. ACS Applied Materials & Interfaces, 2021, 13, 51954-51961.	8.0	2
7	Thermal Unequilibrium of PdSn Intermetallic Nanocatalysts: From In Situ Tailored Synthesis to Unexpected Hydrogenation Selectivity. Angewandte Chemie - International Edition, 2021, 60, 18309-18317.	13.8	32
8	Thermal Unequilibrium of PdSn Intermetallic Nanocatalysts: From In Situ Tailored Synthesis to Unexpected Hydrogenation Selectivity. Angewandte Chemie, 2021, 133, 18457-18465.	2.0	7
9	Tandem synthesis of tetrahydroquinolines and identification of the reaction network by operando NMR. Catalysis Science and Technology, 2021, 11, 4332-4341.	4.1	1
10	Silica-Encapsulated Intermetallic Nanoparticles for Highly Active and Selective Heterogeneous Catalysis. Accounts of Materials Research, 2021, 2, 1190-1202.	11.7	8
11	Intermetallic Nanocatalyst for Highly Active Heterogeneous Hydroformylation. Journal of the American Chemical Society, 2021, 143, 20907-20915.	13.7	28
12	Tandem Condensationâ€Hydrogenation to Produce Alkylated Nitriles Using Bifunctional Catalysts: Platinum Nanoparticles Supported on MOFâ€Derived Carbon. ChemCatChem, 2020, 12, 602-608.	3.7	12
13	Single Molecule Investigation of Nanoconfinement Hydrophobicity in Heterogeneous Catalysis. Journal of the American Chemical Society, 2020, 142, 13305-13309.	13.7	31
14	An inexpensive apparatus for up to 97% continuous-flow parahydrogen enrichment using liquid helium. Journal of Magnetic Resonance, 2020, 321, 106869.	2.1	13
15	Subâ€5â€…nm Intermetallic Nanoparticles Confined in Mesoporous Silica Wells for Selective Hydrogenation of Acetylene to Ethylene. ChemCatChem, 2020, 12, 3022-3029.	3.7	14
16	Pairwise semi-hydrogenation of alkyne to cis-alkene on platinum-tin intermetallic compounds. Nanoscale, 2020, 12, 8519-8524.	5.6	12
17	Reshaping of Truncated Pd Nanocubes: Energetic and Kinetic Analysis Integrating Transmission Electron Microscopy with Atomistic-Level and Coarse-Grained Modeling. ACS Nano, 2020, 14, 8551-8561.	14.6	9
18	Influence of Sn on Stability and Selectivity of Ptâ€“Sn@UiO-66-NH₂ in Furfural Hydrogenation. Industrial & Engineering Chemistry Research, 2020, 59, 17495-17501.	3.7	16

#	Article	IF	Citations
19	Cyclopropane Hydrogenation vs Isomerization over Pt and Ptâ€“Sn Intermetallic Nanoparticle Catalysts: A Parahydrogen Spin-Labeling Study. Journal of Physical Chemistry C, 2020, 124, 8304-8309.	3.1	14
20	In Situ Formed Pt₃Ti Nanoparticles on a Two-Dimensional Transition Metal Carbide (MXene) Used as Efficient Catalysts for Hydrogen Evolution Reactions. Nano Letters, 2019, 19, 5102-5108.	9.1	133
21	A Pd(II)â€Functionalized Covalent Organic Framework for Catalytic Conjugate Additions of Arylboronic Acids to Î²,Î²â€Disubstituted Enones. ChemCatChem, 2019, 11, 4286-4290.	3.7	13
22	Allylic oxidation of olefins with a manganese-based metalâ€“organic framework. Green Chemistry, 2019, 21, 3629-3636.	9.0	22
23	Catalytic properties of intermetallic platinum-tin nanoparticles with non-stoichiometric compositions. Journal of Catalysis, 2019, 374, 136-142.	6.2	29
24	Toward Phase and Catalysis Control: Tracking the Formation of Intermetallic Nanoparticles at Atomic Scale. CheM, 2019, 5, 1235-1247.	11.7	45
25	Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. Nanoscale, 2019, 11, 5336-5345.	5.6	25
26	Aerobic oxidation of the Câ€“H bond under ambient conditions using highly dispersed Co over highly porous N-doped carbon. Green Chemistry, 2019, 21, 1461-1466.	9.0	20
27	Room-Temperature Tandem Condensation-Hydrogenation Catalyzed by Porous C3N4 Nanosheet-Supported Pd Nanoparticles. ACS Sustainable Chemistry and Engineering, 2019, 7, 3356-3363.	6.7	15
28	Microtribological behavior of Mo and W nanoparticle/graphene composites. Wear, 2018, 414-415, 310-316.	3.1	12
29	Encapsulation of Nonprecious Metal into Ordered Mesoporous N-Doped Carbon for Efficient Quinoline Transfer Hydrogenation with Formic Acid. ACS Catalysis, 2018, 8, 8396-8405.	11.2	93