Tian Wei Goh

List of Publications by Year
in descending order

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		236833	254106
43	2,678	25	43
papers	citations	h-index	g-index

43	43	43	4063
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pt Nanoclusters Confined within Metalâ€“Organic Framework Cavities for Chemoselective Cinnamaldehyde Hydrogenation. ACS Catalysis, 2014, 4, 1340-1348.	5.5	367
2	Sub-4 nm PtZn Intermetallic Nanoparticles for Enhanced Mass and Specific Activities in Catalytic Electrooxidation Reaction. Journal of the American Chemical Society, 2017, 139, 4762-4768.	6.6	265
3	Tandem Catalysis by Palladium Nanoclusters Encapsulated in Metalâ€“Organic Frameworks. ACS Catalysis, 2014, 4, 3490-3497.	5.5	187
4	Controlling Catalytic Properties of Pd Nanoclusters through Their Chemical Environment at the Atomic Level Using Isoreticular Metalâ€“Organic Frameworks. ACS Catalysis, 2016, 6, 3461-3468.	5.5	152
5	A Ship-in-a-Bottle Strategy To Synthesize Encapsulated Intermetallic Nanoparticle Catalysts: Exemplified for Furfural Hydrogenation. ACS Catalysis, 2016, 6, 1754-1763.	5.5	148
6	Conversion of Levulinic Acid to Î³-Valerolactone over Few-Layer Graphene-Supported Ruthenium Catalysts. ACS Catalysis, 2016, 6, 593-599.	5.5	145
7	Utilizing mixed-linker zirconium based metal-organic frameworks to enhance the visible light photocatalytic oxidation of alcohol. Chemical Engineering Science, 2015, 124, 45-51.	1.9	112
8	In situ quantitative single-molecule study of dynamic catalytic processes in nanoconfinement. Nature Catalysis, 2018, 1, 135-140.	16.1	99
9	Using a Multiâ€Shelled Hollow Metalâ€“Organic Framework as a Host to Switch the Guestâ€toâ€Host and Guestâ€toâ€Guest Interactions. Angewandte Chemie - International Edition, 2018, 57, 2110-2114.	7.2	91
10	Cooperative Multifunctional Catalysts for Nitrone Synthesis: Platinum Nanoclusters in Amineâ€Functionalized Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2017, 56, 16371-16375.	7.2	87
11	Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. ACS Catalysis, 2018, 8, 110-121.	5.5	81
12	DNP-Enhanced Ultrawideline Solid-State NMR Spectroscopy: Studies of Platinum in Metalâ€“Organic Frameworks. Journal of Physical Chemistry Letters, 2016, 7, 2322-2327.	2.1	77
13	Silicaâ€Encapsulated Ptâ€Sn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogenâ€Induced Polarization of Gases and Liquids. Angewandte Chemie - International Edition, 2017, 56, 3925-3929.	7.2	73
14	Metalâ€“Organicâ€Frameworkâ€Derived Carbons: Applications as Solidâ€Base Catalyst and Support for Pd Nanoparticles in Tandem Catalysis. Chemistry - A European Journal, 2017, 23, 4266-4270.	1.7	66
15	Intermetallic structures with atomic precision for selective hydrogenation of nitroarenes. Journal of Catalysis, 2017, 356, 307-314.	3.1	53
16	Morphology inherence from hollow MOFs to hollow carbon polyhedrons in preparing carbon-based electrocatalysts. Journal of Materials Chemistry A, 2017, 5, 6186-6192.	5.2	50
17	Conversion of confined metal@ZIF-8 structures to intermetallic nanoparticles supported on nitrogen-doped carbon for electrocatalysis. Nano Research, 2018, 11, 3469-3479.	5.8	46
18	Spectroscopy Identification of the Bimetallic Surface of Metalâ€“Organic Framework-Confined Ptâ€“Sn Nanoclusters with Enhanced Chemoselectivity in Furfural Hydrogenation. ACS Applied Materials & Interfaces, 2019, 11, 23254-23260.	4.0	41

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19	Identifying the Molecular Edge Termination of Exfoliated Hexagonal Boron Nitride Nanosheets with Solid-State NMR Spectroscopy and Plane-Wave DFT Calculations. Chemistry of Materials, 2020, 32, 3109-3121.	3.2	41
20	Silicaâ€Encapsulated Ptâ€Sn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogenâ€Induced Polarization of Gases and Liquids. Angewandte Chemie, 2017, 129, 3983-3987.	1.6	37
21	Indirect detection of infinite-speed MAS solid-state NMR spectra. Journal of Magnetic Resonance, 2017, 276, 95-102.	1.2	36
22	Selective Hostâ€“Guest Interaction between Metal Ions and Metalâ€“Organic Frameworks Using Dynamic Nuclear Polarization Enhanced Solidâ€State NMR Spectroscopy. Chemistry - A European Journal, 2014, 20, 16308-16313.	1.7	35
23	Highâ€Temperatureâ€Stable and Regenerable Catalysts: Platinum Nanoparticles in Aligned Mesoporous Silica Wells. ChemSusChem, 2013, 6, 1915-1922.	3.6	34
24	Surface-Mediated Hyperpolarization of Liquid Water from Parahydrogen. CheM, 2018, 4, 1387-1403.	5.8	31
25	Cooperative Multifunctional Catalysts for Nitrone Synthesis: Platinum Nanoclusters in Amineâ€Functionalized Metalâ€“Organic Frameworks. Angewandte Chemie, 2017, 129, 16589-16593.	1.6	30
26	Catalytic properties of intermetallic platinum-tin nanoparticles with non-stoichiometric compositions. Journal of Catalysis, 2019, 374, 136-142.	3.1	29
27	Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. Nanoscale, 2019, 11, 5336-5345.	2.8	25
28	In Situ X-ray Absorption Spectroscopy Studies of Kinetic Interaction between Platinum(II) Ions and UiO-66 Series Metalâ€“Organic Frameworks. Journal of Physical Chemistry B, 2014, 118, 14168-14176.	1.2	22
29	Allylic oxidation of olefins with a manganese-based metalâ€“organic framework. Green Chemistry, 2019, 21, 3629-3636.	4.6	22
30	Using a Multiâ€Shelled Hollow Metalâ€“Organic Framework as a Host to Switch the Guestâ€toâ€Host and Guestâ€toâ€Guest Interactions. Angewandte Chemie, 2018, 130, 2132-2136.	1.6	22
31	An inorganic capping strategy for the seeded growth of versatile bimetallic nanostructures. Nanoscale, 2015, 7, 16721-16728.	2.8	21
32	Tuning surface properties of amino-functionalized silica for metal nanoparticle loading: The vital role of an annealing process. Surface Science, 2016, 648, 299-306.	0.8	20
33	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.	4.6	20
34	Unveiling the Effects of Linker Substitution in Suzuki Coupling with Palladium Nanoparticles in Metalâ€“Organic Frameworks. Catalysis Letters, 2018, 148, 940-945.	1.4	19
35	Probing the Interface between Encapsulated Nanoparticles and Metalâ€“Organic Frameworks for Catalytic Selectivity Control. Chemistry of Materials, 2021, 33, 1946-1953.	3.2	19
36	Synthesis of Monodisperse Palladium Nanoclusters Using Metalâ€“Organic Frameworks as Sacrificial Templates. ChemNanoMat, 2016, 2, 810-815.	1.5	18

#	Article	IF	Citations
37	Room-Temperature Tandem Condensation-Hydrogenation Catalyzed by Porous C3N4 Nanosheet-Supported Pd Nanoparticles. ACS Sustainable Chemistry and Engineering, 2019, 7, 3356-3363.	3.2	15
38	Subâ€5â€…nm Intermetallic Nanoparticles Confined in Mesoporous Silica Wells for Selective Hydrogenation of Acetylene to Ethylene. ChemCatChem, 2020, 12, 3022-3029.	1.8	14
39	Enhanced 1H-X D-HMQC performance through improved 1H homonuclear decoupling. Solid State Nuclear Magnetic Resonance, 2019, 98, 12-18.	1.5	11
40	Enhanced Chemoselectivity in Ptâ€“Fe@mSiO2 Bimetallic Nanoparticles in the Absence of Surface Modifying Ligands. Topics in Catalysis, 2018, 61, 940-948.	1.3	7
41	Self-Regulated Porosity and Reactivity in Mesoporous Heterogeneous Catalysts Using Colloidal Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 18410-18416.	1.5	5
42	t1-noise elimination by continuous chemical shift anisotropy refocusing. Solid State Nuclear Magnetic Resonance, 2022, 120, 101807.	1.5	4
43	Structure evolution of single-site Pt in a metalâ€“organic framework. Journal of Chemical Physics, 2021, 154, 094710.	1.2	1