

Tian Wei Goh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Pt Nanoclusters Confined within Metal-Organic Framework Cavities for Chemoselective Cinnamaldehyde Hydrogenation. <i>ACS Catalysis</i> , 2014, 4, 1340-1348.	11.2	367
2	Sub-4 nm PtZn Intermetallic Nanoparticles for Enhanced Mass and Specific Activities in Catalytic Electrooxidation Reaction. <i>Journal of the American Chemical Society</i> , 2017, 139, 4762-4768.	13.7	265
3	Tandem Catalysis by Palladium Nanoclusters Encapsulated in Metal-Organic Frameworks. <i>ACS Catalysis</i> , 2014, 4, 3490-3497.	11.2	187
4	Controlling Catalytic Properties of Pd Nanoclusters through Their Chemical Environment at the Atomic Level Using Isoreticular Metal-Organic Frameworks. <i>ACS Catalysis</i> , 2016, 6, 3461-3468.	11.2	152
5	A Ship-in-a-Bottle Strategy To Synthesize Encapsulated Intermetallic Nanoparticle Catalysts: Exemplified for Furfural Hydrogenation. <i>ACS Catalysis</i> , 2016, 6, 1754-1763.	11.2	148
6	Conversion of Levulinic Acid to β -Valerolactone over Few-Layer Graphene-Supported Ruthenium Catalysts. <i>ACS Catalysis</i> , 2016, 6, 593-599.	11.2	145
7	Utilizing mixed-linker zirconium based metal-organic frameworks to enhance the visible light photocatalytic oxidation of alcohol. <i>Chemical Engineering Science</i> , 2015, 124, 45-51.	3.8	112
8	In situ quantitative single-molecule study of dynamic catalytic processes in nanoconfinement. <i>Nature Catalysis</i> , 2018, 1, 135-140.	34.4	99
9	Using a Multi-Shelled Hollow Metal-Organic Framework as a Host to Switch the Guest-Host and Guest-Guest Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2110-2114.	13.8	91
10	Cooperative Multifunctional Catalysts for Nitrone Synthesis: Platinum Nanoclusters in Amine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16371-16375.	13.8	87
11	Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. <i>ACS Catalysis</i> , 2018, 8, 110-121.	11.2	81
12	DNP-Enhanced Ultrawideband Solid-State NMR Spectroscopy: Studies of Platinum in Metal-Organic Frameworks. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2322-2327.	4.6	77
13	Silica-Encapsulated Pt-Sn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogen-Induced Polarization of Gases and Liquids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3925-3929.	13.8	73
14	Metal-Organic Framework-Derived Carbons: Applications as Solid-Base Catalyst and Support for Pd Nanoparticles in Tandem Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 4266-4270.	3.3	66
15	Intermetallic structures with atomic precision for selective hydrogenation of nitroarenes. <i>Journal of Catalysis</i> , 2017, 356, 307-314.	6.2	53
16	Morphology inheritance from hollow MOFs to hollow carbon polyhedrons in preparing carbon-based electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6186-6192.	10.3	50
17	Conversion of confined metal@ZIF-8 structures to intermetallic nanoparticles supported on nitrogen-doped carbon for electrocatalysis. <i>Nano Research</i> , 2018, 11, 3469-3479.	10.4	46
18	Spectroscopy Identification of the Bimetallic Surface of Metal-Organic Framework-Confined Pt-Sn Nanoclusters with Enhanced Chemoselectivity in Furfural Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23254-23260.	8.0	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.	6.7	41
20	Silica-Encapsulated Pt-Sn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogen-Induced Polarization of Gases and Liquids. Angewandte Chemie, 2017, 129, 3983-3987.	2.0	37
21	Indirect detection of infinite-speed MAS solid-state NMR spectra. Journal of Magnetic Resonance, 2017, 276, 95-102.	2.1	36
22	Selective Host-Guest Interaction between Metal Ions and Metal-Organic Frameworks Using Dynamic Nuclear Polarization Enhanced Solid-State NMR Spectroscopy. Chemistry - A European Journal, 2014, 20, 16308-16313.	3.3	35
23	High-Temperature-Stable and Regenerable Catalysts: Platinum Nanoparticles in Aligned Mesoporous Silica Wells. ChemSusChem, 2013, 6, 1915-1922.	6.8	34
24	Surface-Mediated Hyperpolarization of Liquid Water from Parahydrogen. Chem, 2018, 4, 1387-1403.	11.7	31
25	Cooperative Multifunctional Catalysts for Nitrone Synthesis: Platinum Nanoclusters in Amine-Functionalized Metal-Organic Frameworks. Angewandte Chemie, 2017, 129, 16589-16593.	2.0	30
26	Catalytic properties of intermetallic platinum-tin nanoparticles with non-stoichiometric compositions. Journal of Catalysis, 2019, 374, 136-142.	6.2	29
27	Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. Nanoscale, 2019, 11, 5336-5345.	5.6	25
28	In Situ X-ray Absorption Spectroscopy Studies of Kinetic Interaction between Platinum(II) Ions and UiO-66 Series Metal-Organic Frameworks. Journal of Physical Chemistry B, 2014, 118, 14168-14176.	2.6	22
29	Allylic oxidation of olefins with a manganese-based metal-organic framework. Green Chemistry, 2019, 21, 3629-3636.	9.0	22
30	Using a Multi-Shelled Hollow Metal-Organic Framework as a Host to Switch the Guest-to-Host and Guest-to-Guest Interactions. Angewandte Chemie, 2018, 130, 2132-2136.	2.0	22
31	An inorganic capping strategy for the seeded growth of versatile bimetallic nanostructures. Nanoscale, 2015, 7, 16721-16728.	5.6	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.	1.9	20
33	Aerobic oxidation of the C-H bond under ambient conditions using highly dispersed Co over highly porous N-doped carbon. Green Chemistry, 2019, 21, 1461-1466.	9.0	20
34	Unveiling the Effects of Linker Substitution in Suzuki Coupling with Palladium Nanoparticles in Metal-Organic Frameworks. Catalysis Letters, 2018, 148, 940-945.	2.6	19
35	Probing the Interface between Encapsulated Nanoparticles and Metal-Organic Frameworks for Catalytic Selectivity Control. Chemistry of Materials, 2021, 33, 1946-1953.	6.7	19
36	Synthesis of Monodisperse Palladium Nanoclusters Using Metal-Organic Frameworks as Sacrificial Templates. ChemNanoMat, 2016, 2, 810-815.	2.8	18

#	ARTICLE	IF	CITATIONS
37	Room-Temperature Tandem Condensation-Hydrogenation Catalyzed by Porous C ₃ N ₄ Nanosheet-Supported Pd Nanoparticles. ACS Sustainable Chemistry and Engineering, 2019, 7, 3356-3363.	6.7	15
38	Sub-5 nm Intermetallic Nanoparticles Confined in Mesoporous Silica Wells for Selective Hydrogenation of Acetylene to Ethylene. ChemCatChem, 2020, 12, 3022-3029.	3.7	14
39	Enhanced 1H-X D-HMQC performance through improved 1H homonuclear decoupling. Solid State Nuclear Magnetic Resonance, 2019, 98, 12-18.	2.3	11
40	Enhanced Chemoselectivity in Pt@Fe@mSiO ₂ Bimetallic Nanoparticles in the Absence of Surface Modifying Ligands. Topics in Catalysis, 2018, 61, 940-948.	2.8	7
41	Self-Regulated Porosity and Reactivity in Mesoporous Heterogeneous Catalysts Using Colloidal Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 18410-18416.	3.1	5
42	t1-noise elimination by continuous chemical shift anisotropy refocusing. Solid State Nuclear Magnetic Resonance, 2022, 120, 101807.	2.3	4
43	Structure evolution of single-site Pt in a metal-organic framework. Journal of Chemical Physics, 2021, 154, 094710.	3.0	1