

# Tian Wei Goh

## List of Publications by Year in descending order

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43  
papers

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citations

236833

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254106

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docs citations

43  
times ranked

4063  
citing authors

#	ARTICLE	IF	CITATIONS
1	t1-noise elimination by continuous chemical shift anisotropy refocusing. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, 120, 101807.	1.5	4
2	Probing the Interface between Encapsulated Nanoparticles and Metal-Organic Frameworks for Catalytic Selectivity Control. <i>Chemistry of Materials</i> , 2021, 33, 1946-1953.	3.2	19
3	Structure evolution of single-site Pt in a metal-organic framework. <i>Journal of Chemical Physics</i> , 2021, 154, 094710.	1.2	1
4	Sub-5-nm Intermetallic Nanoparticles Confined in Mesoporous Silica Wells for Selective Hydrogenation of Acetylene to Ethylene. <i>ChemCatChem</i> , 2020, 12, 3022-3029.	1.8	14
5	Identifying the Molecular Edge Termination of Exfoliated Hexagonal Boron Nitride Nanosheets with Solid-State NMR Spectroscopy and Plane-Wave DFT Calculations. <i>Chemistry of Materials</i> , 2020, 32, 3109-3121.	3.2	41
6	Self-Regulated Porosity and Reactivity in Mesoporous Heterogeneous Catalysts Using Colloidal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18410-18416.	1.5	5
7	Spectroscopy Identification of the Bimetallic Surface of Metal-Organic Framework-Confined Pt-Sn Nanoclusters with Enhanced Chemoselectivity in Furfural Hydrogenation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 23254-23260.	4.0	41
8	Allylic oxidation of olefins with a manganese-based metal-organic framework. <i>Green Chemistry</i> , 2019, 21, 3629-3636.	4.6	22
9	Catalytic properties of intermetallic platinum-tin nanoparticles with non-stoichiometric compositions. <i>Journal of Catalysis</i> , 2019, 374, 136-142.	3.1	29
10	Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. <i>Nanoscale</i> , 2019, 11, 5336-5345.	2.8	25
11	Aerobic oxidation of the C-H bond under ambient conditions using highly dispersed Co over highly porous N-doped carbon. <i>Green Chemistry</i> , 2019, 21, 1461-1466.	4.6	20
12	Room-Temperature Tandem Condensation-Hydrogenation Catalyzed by Porous C <sub>3</sub> N <sub>4</sub> Nanosheet-Supported Pd Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3356-3363.	3.2	15
13	Enhanced 1H-X D-HMQC performance through improved 1H homonuclear decoupling. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 98, 12-18.	1.5	11
14	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.	5.8	46
15	Surface-Mediated Hyperpolarization of Liquid Water from Parahydrogen. <i>CheM</i> , 2018, 4, 1387-1403.	5.8	31
16	Unveiling the Effects of Linker Substitution in Suzuki Coupling with Palladium Nanoparticles in Metal-Organic Frameworks. <i>Catalysis Letters</i> , 2018, 148, 940-945.	1.4	19
17	In situ quantitative single-molecule study of dynamic catalytic processes in nanoconfinement. <i>Nature Catalysis</i> , 2018, 1, 135-140.	16.1	99
18	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.	7.2	91

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19	Enhanced Chemoselectivity in Pt@Fe@mSiO <sub>2</sub> Bimetallic Nanoparticles in the Absence of Surface Modifying Ligands. <i>Topics in Catalysis</i> , 2018, 61, 940-948.	1.3	7
20	Catalysis on Singly Dispersed Rh Atoms Anchored on an Inert Support. <i>ACS Catalysis</i> , 2018, 8, 110-121.	5.5	81
21	Using a Multi-Shelled Hollow Metal-Organic Framework as a Host to Switch the Guest-Host and Guest-Guest Interactions. <i>Angewandte Chemie</i> , 2018, 130, 2132-2136.	1.6	22
22	Indirect detection of infinite-speed MAS solid-state NMR spectra. <i>Journal of Magnetic Resonance</i> , 2017, 276, 95-102.	1.2	36
23	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.	5.2	50
24	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.	6.6	265
25	Silica-Encapsulated PtSn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogen-Induced Polarization of Gases and Liquids. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3925-3929.	7.2	73
26	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.	1.7	66
27	Silica-Encapsulated PtSn Intermetallic Nanoparticles: A Robust Catalytic Platform for Parahydrogen-Induced Polarization of Gases and Liquids. <i>Angewandte Chemie</i> , 2017, 129, 3983-3987.	1.6	37
28	Cooperative Multifunctional Catalysts for Nitrene Synthesis: Platinum Nanoclusters in Amine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2017, 129, 16589-16593.	1.6	30
29	Cooperative Multifunctional Catalysts for Nitrene Synthesis: Platinum Nanoclusters in Amine-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16371-16375.	7.2	87
30	Intermetallic structures with atomic precision for selective hydrogenation of nitroarenes. <i>Journal of Catalysis</i> , 2017, 356, 307-314.	3.1	53
31	Synthesis of Monodisperse Palladium Nanoclusters Using Metal-Organic Frameworks as Sacrificial Templates. <i>ChemNanoMat</i> , 2016, 2, 810-815.	1.5	18
32	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.	5.5	152
33	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.	2.1	77
34	Conversion of Levulinic Acid to Î <sup>3</sup> -Valerolactone over Few-Layer Graphene-Supported Ruthenium Catalysts. <i>ACS Catalysis</i> , 2016, 6, 593-599.	5.5	145
35	A Ship-in-a-Bottle Strategy To Synthesize Encapsulated Intermetallic Nanoparticle Catalysts: Exemplified for Furfural Hydrogenation. <i>ACS Catalysis</i> , 2016, 6, 1754-1763.	5.5	148
36	Tuning surface properties of amino-functionalized silica for metal nanoparticle loading: The vital role of an annealing process. <i>Surface Science</i> , 2016, 648, 299-306.	0.8	20

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37	An inorganic capping strategy for the seeded growth of versatile bimetallic nanostructures. <i>Nanoscale</i> , 2015, 7, 16721-16728.	2.8	21
38	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.	1.9	112
39	Selective Host-Guest Interaction between Metal Ions and Metal-Organic Frameworks Using Dynamic Nuclear Polarization Enhanced Solid-State NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2014, 20, 16308-16313.	1.7	35
40	In Situ X-ray Absorption Spectroscopy Studies of Kinetic Interaction between Platinum(II) Ions and UiO-66 Series Metal-Organic Frameworks. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14168-14176.	1.2	22
41	Tandem Catalysis by Palladium Nanoclusters Encapsulated in Metal-Organic Frameworks. <i>ACS Catalysis</i> , 2014, 4, 3490-3497.	5.5	187
42	Pt Nanoclusters Confined within Metal-Organic Framework Cavities for Chemoselective Cinnamaldehyde Hydrogenation. <i>ACS Catalysis</i> , 2014, 4, 1340-1348.	5.5	367
43	High-Temperature-Stable and Regenerable Catalysts: Platinum Nanoparticles in Aligned Mesoporous Silica Wells. <i>ChemSusChem</i> , 2013, 6, 1915-1922.	3.6	34