

# Raghu V Maligal-Ganesh

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,141  
citations

623734

14  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pt Nanoclusters Confined within Metal-Organic Framework Cavities for Chemoselective Cinnamaldehyde Hydrogenation. ACS Catalysis, 2014, 4, 1340-1348.	11.2	367
2	A Ship-in-a-Bottle Strategy To Synthesize Encapsulated Intermetallic Nanoparticle Catalysts: Exemplified for Furfural Hydrogenation. ACS Catalysis, 2016, 6, 1754-1763.	11.2	148
3	Utilizing mixed-linker zirconium based metal-organic frameworks to enhance the visible light photocatalytic oxidation of alcohol. Chemical Engineering Science, 2015, 124, 45-51.	3.8	112
4	Impact of Linker Engineering on the Catalytic Activity of Metal-Organic Frameworks Containing Pd(II)-Bipyridine Complexes. ACS Catalysis, 2016, 6, 6324-6328.	11.2	89
5	Intermetallic structures with atomic precision for selective hydrogenation of nitroarenes. Journal of Catalysis, 2017, 356, 307-314.	6.2	53
6	Morphology inheritance from hollow MOFs to hollow carbon polyhedrons in preparing carbon-based electrocatalysts. Journal of Materials Chemistry A, 2017, 5, 6186-6192.	10.3	50
7	Intermetallic NaAu <sub>2</sub> as a Heterogeneous Catalyst for Low-Temperature CO Oxidation. Journal of the American Chemical Society, 2013, 135, 9592-9595.	13.7	46
8	Conversion of confined metal@ZIF-8 structures to intermetallic nanoparticles supported on nitrogen-doped carbon for electrocatalysis. Nano Research, 2018, 11, 3469-3479.	10.4	46
9	Toward Phase and Catalysis Control: Tracking the Formation of Intermetallic Nanoparticles at Atomic Scale. Chem, 2019, 5, 1235-1247.	11.7	45
10	High-Temperature-Stable and Regenerable Catalysts: Platinum Nanoparticles in Aligned Mesoporous Silica Wells. ChemSusChem, 2013, 6, 1915-1922.	6.8	34
11	Catalytic properties of intermetallic platinum-tin nanoparticles with non-stoichiometric compositions. Journal of Catalysis, 2019, 374, 136-142.	6.2	29
12	Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. Nanoscale, 2019, 11, 5336-5345.	5.6	25
13	An inorganic capping strategy for the seeded growth of versatile bimetallic nanostructures. Nanoscale, 2015, 7, 16721-16728.	5.6	21
14	Influence of Sn on Stability and Selectivity of Pt-Sn@UiO-66-NH <sub>2</sub> in Furfural Hydrogenation. Industrial & Engineering Chemistry Research, 2020, 59, 17495-17501.	3.7	16
15	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
16	Cyclopropane Hydrogenation vs Isomerization over Pt and Pt-Sn Intermetallic Nanoparticle Catalysts: A Parahydrogen Spin-Labeling Study. Journal of Physical Chemistry C, 2020, 124, 8304-8309.	3.1	14
17	Pairwise semi-hydrogenation of alkyne to <i>cis</i> -alkene on platinum-tin intermetallic compounds. Nanoscale, 2020, 12, 8519-8524.	5.6	12
18	Atomic-Scale Structure of Mesoporous Silica-Encapsulated Pt and PtSn Nanoparticles Revealed by Dynamic Nuclear Polarization-Enhanced <sup>29</sup> Si MAS NMR Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 7299-7307.	3.1	9

#	ARTICLE	IF	CITATIONS
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.	2.8	7
20	Mesoporous Silica Encapsulated Platinum@Tin Intermetallic Nanoparticles Catalyze Hydrogenation with an Unprecedented 20% Pairwise Selectivity for Parahydrogen Enhanced Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4125-4132.	4.6	4