

Johnny Zhu Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Carbon Nitride-Based Ruthenium Single Atom Photocatalyst for CO ₂ Reduction to Methanol. <i>Small</i> , 2021, 17, e2006478.	10.0	124
2	Direct methane activation by atomically thin platinum nanolayers on two-dimensional metal carbides. <i>Nature Catalysis</i> , 2021, 4, 882-891.	34.4	63
3	Single Co Atoms as Electrocatalysts for Efficient Hydrazine Oxidation Reaction. <i>Small</i> , 2021, 17, e2006477.	10.0	40
4	Onset of High Methane Combustion Rates over Supported Palladium Catalysts: From Isolated Pd Cations to PdO Nanoparticles. <i>Jacs Au</i> , 2021, 1, 396-408.	7.9	37
5	Composition Tuning of Ru-Based Phosphide for Enhanced Propane Selective Dehydrogenation. <i>ACS Catalysis</i> , 2020, 10, 10243-10252.	11.2	33
6	Identification of the structure of the Bi promoted Pt non-oxidative coupling of methane catalyst: a nanoscale Pt ₃ Bi intermetallic alloy. <i>Catalysis Science and Technology</i> , 2019, 9, 1349-1356.	4.1	31
7	Strong metal-support interaction (SMSI) of Pt/CeO ₂ and its effect on propane dehydrogenation. <i>Catalysis Today</i> , 2021, 371, 4-10.	4.4	28
8	The effect of strong metal-support interaction (SMSI) on Pt-Ti/SiO ₂ and Pt-Nb/SiO ₂ catalysts for propane dehydrogenation. <i>Catalysis Science and Technology</i> , 2020, 10, 5973-5982.	4.1	19
9	MXene-Supported, Atomic-Layered Iridium Catalysts Created by Nanoparticle Re-Dispersion for Efficient Alkaline Hydrogen Evolution. <i>Small</i> , 2022, 18, e2105226.	10.0	16
10	Structural and Catalytic Properties of Isolated Pt ²⁺ Sites in Platinum Phosphide (PtP ₂). <i>ACS Catalysis</i> , 2021, 11, 13496-13509.	11.2	15
11	A robust process for lipase-mediated biodiesel production from microalgae lipid. <i>RSC Advances</i> , 2016, 6, 48515-48522.	3.6	11
12	Diffusion-Limited Formation of Nonequilibrium Intermetallic Nanophase for Selective Dehydrogenation. <i>Nano Letters</i> , 2019, 19, 4380-4383.	9.1	10
13	Reaction-Mediated Transformation of Working Catalysts. <i>ACS Catalysis</i> , 2022, 12, 8007-8018.	11.2	6