

Ya-Huei Cathy Chin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9282506/publications.pdf>

Version: 2024-02-01

25
papers

1,016
citations

567281

15
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Consequences of Metal–Oxide Interconversion for C–H Bond Activation during CH ₄ Reactions on Pd Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 15425-15442.	13.7	256
2	Reactivity of Chemisorbed Oxygen Atoms and Their Catalytic Consequences during CH ₄ –O ₂ Catalysis on Supported Pt Clusters. <i>Journal of the American Chemical Society</i> , 2011, 133, 15958-15978.	13.7	184
3	Consequences of Surface Oxophilicity of Ni, Ni-Co, and Co Clusters on Methane Activation. <i>Journal of the American Chemical Society</i> , 2017, 139, 6928-6945.	13.7	104
4	Anionic Single-Atom Catalysts for CO Oxidation: Support-Independent Activity at Low Temperatures. <i>ACS Catalysis</i> , 2019, 9, 1595-1604.	11.2	54
5	Generalized Mechanistic Framework for Ethane Dehydrogenation and Oxidative Dehydrogenation on Molybdenum Oxide Catalysts. <i>ACS Catalysis</i> , 2020, 10, 6952-6968.	11.2	53
6	Chemical and Structural Dynamics of Nanostructures in Bimetallic Pt–Pd Catalysts, Their Inhomogeneity, and Their Roles in Methane Oxidation. <i>ACS Catalysis</i> , 2019, 9, 5445-5461.	11.2	46
7	Kinetic Significance of Proton–Electron Transfer during Condensed Phase Reduction of Carbonyls on Transition Metal Clusters. <i>ACS Catalysis</i> , 2019, 9, 1763-1778.	11.2	45
8	Mechanistic insights on C–O and C–C bond activation and hydrogen insertion during acetic acid hydrogenation catalyzed by ruthenium clusters in aqueous medium. <i>Journal of Catalysis</i> , 2016, 340, 107-121.	6.2	40
9	Butanal Condensation Chemistry Catalyzed by Brønsted Acid Sites on Polyoxometalate Clusters. <i>ChemCatChem</i> , 2017, 9, 287-299.	3.7	36
10	The Role of Protons and Hydrides in the Catalytic Hydrogenolysis of Guaiacol at the Ruthenium Nanoparticle–Water Interface. <i>ACS Catalysis</i> , 2020, 10, 12310-12332.	11.2	29
11	Mechanism of intra- and inter-molecular C–C bond formation of propanal on Brønsted acid sites contained within MFI zeolites. <i>Journal of Catalysis</i> , 2014, 311, 244-256.	6.2	20
12	Mechanistic details of C–O bond activation in and H-addition to guaiacol at water–Ru cluster interfaces. <i>Journal of Catalysis</i> , 2019, 370, 186-199.	6.2	19
13	Catalytic consequences of the identity and coverages of reactive intermediates during methanol partial oxidation on Pt clusters. <i>Journal of Catalysis</i> , 2014, 313, 55-69.	6.2	17
14	Mechanistic Role of the Proton–Hydride Pair in Heteroarene Catalytic Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 9418-9437.	11.2	16
15	Catalytic Consequences of the Thermodynamic Activities at Metal Cluster Surfaces and Their Periodic Reactivity Trend for Methanol Oxidation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12148-12152.	13.8	15
16	Catalytic Effects of Chemisorbed Sulfur on Pyridine and Cyclohexene Hydrogenation on Pd and Pt Clusters. <i>ACS Catalysis</i> , 2021, 11, 1684-1705.	11.2	14
17	Cascade Reactions in Tunable Lamellar Micro- and Mesopores for C=C Bond Coupling and Hydrocarbon Synthesis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12886-12890.	13.8	12
18	Catalytic pathways and mechanistic consequences of water during vapor phase hydrogenation of butanal on Ru/SiO ₂ . <i>Journal of Catalysis</i> , 2021, 394, 429-443.	6.2	12

#	ARTICLE	IF	CITATIONS
19	Active site structure and methane oxidation reactivity of bimetallic Pd and Pt nanoparticles. <i>Applied Catalysis A: General</i> , 2022, 629, 118290.	4.3	12
20	Catalytic Pathways and Kinetic Requirements for Alkanal Deoxygenation on Solid Tungstosilicic Acid Clusters. <i>ACS Catalysis</i> , 2016, 6, 6634-6650.	11.2	8
21	Cascade Reactions in Tunable Lamellar Micro- and Mesopores for C=C Bond Coupling and Hydrocarbon Synthesis. <i>Angewandte Chemie</i> , 2018, 130, 13068-13072.	2.0	8
22	Catalytic Consequences of Reactive Intermediates during CO Oxidation on Ag Clusters. <i>ACS Catalysis</i> , 2018, 8, 11987-11998.	11.2	7
23	Influence of Carbon and Oxygen Chemical Potentials on the Hydrogen Donor Identity during Methanation on Ni, Co, and Ni-Co Clusters. <i>ChemCatChem</i> , 2018, 11, 1244.	3.7	3
24	Mechanistic Similarities and Differences for Hydrogenation of Aromatic Heterocycles and Aliphatic Carbonyls on Sulfided Ru Nanoparticles. <i>ACS Catalysis</i> , 2021, 11, 12585-12608.	11.2	3
25	Innenrücktitelbild: Cascade Reactions in Tunable Lamellar Micro- and Mesopores for C=C Bond Coupling and Hydrocarbon Synthesis (<i>Angew. Chem.</i> 39/2018). <i>Angewandte Chemie</i> , 2018, 130, 13159-13159.	2.0	0