Jennifer D Lee

List of Publications by Year
in descending order

26	1,101	430874 18	580821 25
papers	citations	h-index	g-index

26	26	26	1848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic Hydrogen Evolution from Substoichiometric Colloidal WO_{3â€“x} Nanowires. ACS Energy Letters, 2018, 3, 1904-1910.	17.4	145
2	Mechanisms for High Selectivity in the Hydrodeoxygenation of 5-Hydroxymethylfurfural over PtCo Nanocrystals. ACS Catalysis, 2016, 6, 4095-4104.	11.2	124
3	Base metal-Pt alloys: A general route to high selectivity and stability in the production of biofuels from HMF. Applied Catalysis B: Environmental, 2016, 199, 439-446.	20.2	100
4	Unraveling the surface state and composition of highly selective nanocrystalline Niâ€“Cu alloy catalysts for hydrodeoxygenation of HMF. Catalysis Science and Technology, 2017, 7, 1735-1743.	4.1	82
5	Generalized Synthetic Strategy for Transition-Metal-Doped Brookite-Phase TiO₂ Nanorods. Journal of the American Chemical Society, 2019, 141, 16548-16552.	13.7	78
6	A comparison of furfural hydrodeoxygenation over Pt-Co and Ni-Fe catalysts at high and low H2 pressures. Catalysis Today, 2018, 302, 73-79.	4.4	66
7	General Synthetic Route to High-Quality Colloidal IIIâ€“V Semiconductor Quantum Dots Based on Pnictogen Chlorides. Journal of the American Chemical Society, 2019, 141, 15145-15152.	13.7	54
8	Dilute Alloys Based on Au, Ag, or Cu for Efficient Catalysis: From Synthesis to Active Sites. Chemical Reviews, 2022, 122, 8758-8808.	47.7	50
9	A Study of Tetrahydrofurfuryl Alcohol to 1,5-Pentanediol Over Ptâ€“WOx/C. Catalysis Letters, 2018, 148, 1047-1054.	2.6	49
10	Improved Models for Metallic Nanoparticle Cores from Atomic Pair Distribution Function (PDF) Analysis. Journal of Physical Chemistry C, 2018, 122, 29498-29506.	3.1	41
11	Design, Self-Assembly, and Switchable Wettability in Hydrophobic, Hydrophilic, and Janus Dendritic Ligandâ€“Gold Nanoparticle Hybrid Materials. Chemistry of Materials, 2017, 29, 8737-8746.	6.7	40
12	Tuning the Electrocatalytic Oxygen Reduction Reaction Activity of Ptâ€“Co Nanocrystals by Cobalt Concentration with Atomic-Scale Understanding. ACS Applied Materials & Interfaces, 2019, 11, 26789-26797.	8.0	40
13	Cluster-mining: an approach for determining core structures of metallic nanoparticles from atomic pair distribution function data. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, 24-31.	0.1	34
14	Nanocrystal Core Size and Shape Substitutional Doping and Underlying Crystalline Order in Nanocrystal Superlattices. ACS Nano, 2019, 13, 5712-5719.	14.6	30
15	Air-Stable CuInSe₂ Nanocrystal Transistors and Circuits via Post-Deposition Cation Exchange. ACS Nano, 2019, 13, 2324-2333.	14.6	24
16	Thermal and Photocatalytic Reactions of Methanol and Acetaldehyde on Pt-Modified Brookite TiO₂ Nanorods. ACS Catalysis, 2018, 8, 11834-11846.	11.2	23
17	Improved Chemical and Colloidal Stability of Gold Nanoparticles through Dendron Capping. Langmuir, 2018, 34, 13333-13338.	3.5	21
18	Charge Transport Modulation in PbSe Nanocrystal Solids by Au_xAg_{1â€“x} Nanoparticle Doping. ACS Nano, 2018, 12, 9091-9100.	14.6	20

#	Article	IF	Citations
19	Structural and Valence State Modification of Cobalt in CoPt Nanocatalysts in Redox Conditions. ACS Nano, 2021, 15, 20619-20632.	14.6	17
20	Dynamical Change of Valence States and Structure in NiCu₃ Nanoparticles during Redox Cycling. Journal of Physical Chemistry C, 2022, 126, 1991-2002.	3.1	14
21	Synthesis and Characterization of Core-Shell Cu-Ru, Cu-Rh, and Cu-Ir Nanoparticles. Journal of the American Chemical Society, 2022, 144, 7919-7928.	13.7	13
22	The dendritic effect and magnetic permeability in dendron coated nickel and manganese zinc ferrite nanoparticles. Nanoscale, 2017, 9, 13922-13928.	5.6	9
23	Spectroscopic characterization of a highly selective NiCu₃/C hydrodeoxygenation catalyst. Catalysis Science and Technology, 2018, 8, 6100-6108.	4.1	9
24	Microwave Heating of Nanocrystals for Rapid, Low-Aggregation Intermetallic Phase Transformations. , 2022, 4, 823-830.		9
25	The Influence of Surface Platinum Deposits on the Photocatalytic Activity of Anatase TiO₂ Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 10477-10486.	3.1	7
26	Engineering the composition of bimetallic nanocrystals to improve hydrodeoxygenation selectivity for 2-acetylfuran. Applied Catalysis A: General, 2020, 606, 117808.	4.3	2