

# Jennifer D Lee

## List of Publications by Year in descending order

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26  
papers

1,101  
citations

430843

18  
h-index

580810

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical Change of Valence States and Structure in NiCu <sub>3</sub> Nanoparticles during Redox Cycling. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1991-2002.	3.1	14
2	Microwave Heating of Nanocrystals for Rapid, Low-Aggregation Intermetallic Phase Transformations. <i>ACS Nano</i> , 2022, 4, 823-830.		9
3	Dilute Alloys Based on Au, Ag, or Cu for Efficient Catalysis: From Synthesis to Active Sites. <i>Chemical Reviews</i> , 2022, 122, 8758-8808.	47.7	50
4	Synthesis and Characterization of Core-Shell Cu-Ru, Cu-Rh, and Cu-Ir Nanoparticles. <i>Journal of the American Chemical Society</i> , 2022, 144, 7919-7928.	13.7	13
5	Structural and Valence State Modification of Cobalt in CoPt Nanocatalysts in Redox Conditions. <i>ACS Nano</i> , 2021, 15, 20619-20632.	14.6	17
6	Engineering the composition of bimetallic nanocrystals to improve hydrodeoxygenation selectivity for 2-acetylfuran. <i>Applied Catalysis A: General</i> , 2020, 606, 117808.	4.3	2
7	Cluster-mining: an approach for determining core structures of metallic nanoparticles from atomic pair distribution function data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020, 76, 24-31.	0.1	34
8	Tuning the Electrocatalytic Oxygen Reduction Reaction Activity of Pt-Co Nanocrystals by Cobalt Concentration with Atomic-Scale Understanding. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 26789-26797.	8.0	40
9	General Synthetic Route to High-Quality Colloidal III-V Semiconductor Quantum Dots Based on Pnictogen Chlorides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15145-15152.	13.7	54
10	Generalized Synthetic Strategy for Transition-Metal-Doped Brookite-Phase TiO <sub>2</sub> Nanorods. <i>Journal of the American Chemical Society</i> , 2019, 141, 16548-16552.	13.7	78
11	Air-Stable CuInSe <sub>2</sub> Nanocrystal Transistors and Circuits via Post-Deposition Cation Exchange. <i>ACS Nano</i> , 2019, 13, 2324-2333.	14.6	24
12	Nanocrystal Core Size and Shape Substitutional Doping and Underlying Crystalline Order in Nanocrystal Superlattices. <i>ACS Nano</i> , 2019, 13, 5712-5719.	14.6	30
13	The Influence of Surface Platinum Deposits on the Photocatalytic Activity of Anatase TiO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10477-10486.	3.1	7
14	A Study of Tetrahydrofurfuryl Alcohol to 1,5-Pentanediol Over Pt-WO <sub>x</sub> /C. <i>Catalysis Letters</i> , 2018, 148, 1047-1054.	2.6	49
15	A comparison of furfural hydrodeoxygenation over Pt-Co and Ni-Fe catalysts at high and low H <sub>2</sub> pressures. <i>Catalysis Today</i> , 2018, 302, 73-79.	4.4	66
16	Spectroscopic characterization of a highly selective NiCu <sub>3</sub> /C hydrodeoxygenation catalyst. <i>Catalysis Science and Technology</i> , 2018, 8, 6100-6108.	4.1	9
17	Thermal and Photocatalytic Reactions of Methanol and Acetaldehyde on Pt-Modified Brookite TiO <sub>2</sub> Nanorods. <i>ACS Catalysis</i> , 2018, 8, 11834-11846.	11.2	23
18	Improved Models for Metallic Nanoparticle Cores from Atomic Pair Distribution Function (PDF) Analysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29498-29506.	3.1	41

#	ARTICLE	IF	CITATIONS
19	Improved Chemical and Colloidal Stability of Gold Nanoparticles through Dendron Capping. <i>Langmuir</i> , 2018, 34, 13333-13338.	3.5	21
20	Photocatalytic Hydrogen Evolution from Substoichiometric Colloidal WO <sub>3</sub> Nanowires. <i>ACS Energy Letters</i> , 2018, 3, 1904-1910.	17.4	145
21	Charge Transport Modulation in PbSe Nanocrystal Solids by Au <sub>x</sub> Ag <sub>1-x</sub> Nanoparticle Doping. <i>ACS Nano</i> , 2018, 12, 9091-9100.	14.6	20
22	Unraveling the surface state and composition of highly selective nanocrystalline Ni-Cu alloy catalysts for hydrodeoxygenation of HMF. <i>Catalysis Science and Technology</i> , 2017, 7, 1735-1743.	4.1	82
23	The dendritic effect and magnetic permeability in dendron coated nickel and manganese zinc ferrite nanoparticles. <i>Nanoscale</i> , 2017, 9, 13922-13928.	5.6	9
24	Design, Self-Assembly, and Switchable Wettability in Hydrophobic, Hydrophilic, and Janus Dendritic Ligand-Gold Nanoparticle Hybrid Materials. <i>Chemistry of Materials</i> , 2017, 29, 8737-8746.	6.7	40
25	Mechanisms for High Selectivity in the Hydrodeoxygenation of 5-Hydroxymethylfurfural over PtCo Nanocrystals. <i>ACS Catalysis</i> , 2016, 6, 4095-4104.	11.2	124
26	Base metal-Pt alloys: A general route to high selectivity and stability in the production of biofuels from HMF. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 439-446.	20.2	100