Xiao-Min Lin

List of Publications by Year
in descending order

23	1,056	567281 15	642732 23
papers	citations	h-index	g-index

23	23	23	1857
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrathin Porous Hydrocarbon Membranes Templated by Nanoparticle Assemblies. Nano Letters, 2021, 21, 166-174.	9.1	6
2	Insights into the extraction of photogenerated holes from CdSe/CdS nanorods for oxidative organic catalysis. Journal of Materials Chemistry A, 2021, 9, 12690-12699.	10.3	8
3	Revealing the Three-Dimensional Orientation and Interplay between Plasmons and Interband Transitions for Single Gold Bipyramids by Photoluminescence Excitation Pattern Imaging. Journal of Physical Chemistry C, 2021, 125, 26978-26985.	3.1	3
4	Toward Efficient Carbon and Water Cycles: Emerging Opportunities with Singleâ€Site Catalysts Made of 3d Transition Metals. Advanced Materials, 2020, 32, e1905548.	21.0	23
5	Phase control of coherent acoustic phonons in gold bipyramids for optical memory and manipulating plasmonâ€“exciton coupling. Applied Physics Letters, 2020, 116, 153102.	3.3	1
6	Phonon-induced plasmon-exciton coupling changes probed via oscillation-associated spectra. Applied Physics Letters, 2019, 115, .	3.3	3
7	A stable rhodium single-site catalyst encapsulated within dendritic mesoporous nanochannels. Nanoscale, 2018, 10, 1047-1055.	5.6	17
8	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. Nano Letters, 2018, 18, 442-448.	9.1	14
9	Conforming nanoparticle sheets to surfaces with Gaussian curvature. Soft Matter, 2018, 14, 9107-9117.	2.7	7
10	Tuning the Performance of Single-Atom Electrocatalysts: Support-Induced Structural Reconstruction. Chemistry of Materials, 2018, 30, 7494-7502.	6.7	24
11	Binary Transition-Metal Oxide Hollow Nanoparticles for Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 24715-24724.	8.0	60
12	Low-Pressure Flow Chemistry of CuAAC Click Reaction Catalyzed by Nanoporous AuCu Membrane. ACS Applied Materials & Interfaces, 2018, 10, 25930-25935.	8.0	20
13	Thermomechanical Response of Self-Assembled Nanoparticle Membranes. ACS Nano, 2017, 11, 8026-8033.	14.6	17
14	Size-Dependent Coherent-Phonon Plasmon Modulation and Deformation Characterization in Gold Bipyramids and Nanojavelins. ACS Photonics, 2016, 3, 758-763.	6.6	24
15	Strong Resistance to Bending Observed for Nanoparticle Membranes. Nano Letters, 2015, 15, 6732-6737.	9.1	17
16	Ion transport controlled by nanoparticle-functionalized membranes. Nature Communications, 2014, 5, 5847.	12.8	48
17	Fracture and Failure of Nanoparticle Monolayers and Multilayers. Nano Letters, 2014, 14, 826-830.	9.1	29
18	Strain Patterning and Direct Measurement of Poissonâ€™s Ratio in Nanoparticle Monolayer Sheets. Nano Letters, 2011, 11, 2567-2571.	9.1	32

#	Article	IF	Citations
19	Diffusion and Filtration Properties of Self-Assembled Gold Nanocrystal Membranes. Nano Letters, 2011, 11, 2430-2435.	9.1	121
20	Inâ€Situ Partial Sintering of Goldâ€Nanoparticle Sheets for SERS Applications. Small, 2011, 7, 3487-3492.	10.0	16
21	Fabrication and Mechanical Properties of Largeâ€Scale Freestanding Nanoparticle Membranes. Small, 2010, 6, 1449-1456.	10.0	140
22	The formation and characterization of three-dimensional gold nanocrystal superlattices. Zeitschrift Fur Kristallographie - Crystalline Materials, 2007, 222, 595-600.	0.8	15
23	Elastic membranes of close-packed nanoparticle arrays. Nature Materials, 2007, 6, 656-660.	27.5	411