

Xiao-Min Lin

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,056
citations

567281

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642732

23
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23
all docs

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docs citations

23
times ranked

1857
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic membranes of close-packed nanoparticle arrays. <i>Nature Materials</i> , 2007, 6, 656-660.	27.5	411
2	Fabrication and Mechanical Properties of Large-Scale Freestanding Nanoparticle Membranes. <i>Small</i> , 2010, 6, 1449-1456.	10.0	140
3	Diffusion and Filtration Properties of Self-Assembled Gold Nanocrystal Membranes. <i>Nano Letters</i> , 2011, 11, 2430-2435.	9.1	121
4	Binary Transition-Metal Oxide Hollow Nanoparticles for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24715-24724.	8.0	60
5	Ion transport controlled by nanoparticle-functionalized membranes. <i>Nature Communications</i> , 2014, 5, 5847.	12.8	48
6	Strain Patterning and Direct Measurement of Poisson's Ratio in Nanoparticle Monolayer Sheets. <i>Nano Letters</i> , 2011, 11, 2567-2571.	9.1	32
7	Fracture and Failure of Nanoparticle Monolayers and Multilayers. <i>Nano Letters</i> , 2014, 14, 826-830.	9.1	29
8	Size-Dependent Coherent-Phonon Plasmon Modulation and Deformation Characterization in Gold Bipyramids and Nanojavelins. <i>ACS Photonics</i> , 2016, 3, 758-763.	6.6	24
9	Tuning the Performance of Single-Atom Electrocatalysts: Support-Induced Structural Reconstruction. <i>Chemistry of Materials</i> , 2018, 30, 7494-7502.	6.7	24
10	Toward Efficient Carbon and Water Cycles: Emerging Opportunities with Single-Site Catalysts Made of 3d Transition Metals. <i>Advanced Materials</i> , 2020, 32, e1905548.	21.0	23
11	Low-Pressure Flow Chemistry of CuAAC Click Reaction Catalyzed by Nanoporous AuCu Membrane. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25930-25935.	8.0	20
12	Strong Resistance to Bending Observed for Nanoparticle Membranes. <i>Nano Letters</i> , 2015, 15, 6732-6737.	9.1	17
13	Thermomechanical Response of Self-Assembled Nanoparticle Membranes. <i>ACS Nano</i> , 2017, 11, 8026-8033.	14.6	17
14	A stable rhodium single-site catalyst encapsulated within dendritic mesoporous nanochannels. <i>Nanoscale</i> , 2018, 10, 1047-1055.	5.6	17
15	In-situ Partial Sintering of Gold Nanoparticle Sheets for SERS Applications. <i>Small</i> , 2011, 7, 3487-3492.	10.0	16
16	The formation and characterization of three-dimensional gold nanocrystal superlattices. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2007, 222, 595-600.	0.8	15
17	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. <i>Nano Letters</i> , 2018, 18, 442-448.	9.1	14
18	Insights into the extraction of photogenerated holes from CdSe/CdS nanorods for oxidative organic catalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12690-12699.	10.3	8

#	ARTICLE	IF	CITATIONS
19	Conforming nanoparticle sheets to surfaces with Gaussian curvature. <i>Soft Matter</i> , 2018, 14, 9107-9117.	2.7	7
20	Ultrathin Porous Hydrocarbon Membranes Templated by Nanoparticle Assemblies. <i>Nano Letters</i> , 2021, 21, 166-174.	9.1	6
21	Phonon-induced plasmon-exciton coupling changes probed via oscillation-associated spectra. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	3
22	Revealing the Three-Dimensional Orientation and Interplay between Plasmons and Interband Transitions for Single Gold Bipyramids by Photoluminescence Excitation Pattern Imaging. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26978-26985.	3.1	3
23	Phase control of coherent acoustic phonons in gold bipyramids for optical memory and manipulating plasmon-exciton coupling. <i>Applied Physics Letters</i> , 2020, 116, 153102.	3.3	1