

# Yamei Liu

## List of Publications by Year in descending order

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times ranked

1093  
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#	ARTICLE	IF	CITATIONS
1	Generating and Capturing Secondary Hot Carriers in Monolayer Tungsten Dichalcogenides. Journal of Physical Chemistry Letters, 2022, 13, 5703-5710.	4.6	2
2	In-situ observation of trapped carriers in organic metal halide perovskite films with ultra-fast temporal and ultra-high energetic resolutions. Nature Communications, 2021, 12, 1636.	12.8	11
3	Fast ion transport for synthesis and stabilization of $\hat{1}^2$ -Zn4Sb3. Nature Communications, 2021, 12, 6077.	12.8	9
4	Direct visualization of spatially correlated displacive short-range ordering in Nb <sub>0.8</sub> CoSb. Nanoscale, 2020, 12, 21624-21628.	5.6	8
5	Pressure tuning of electron transfer rate in near-infrared PbS-anthraquinone complexes. Applied Physics Letters, 2020, 117, .	3.3	6
6	Improving thermoelectric performance of (Bi0.2Sb0.8)2(Te0.97Se0.03)3 via Sm-doping. Journal of Alloys and Compounds, 2019, 787, 909-917.	5.5	7
7	High-Temperature Structural and Thermoelectric Study of Argyrodite Ag <sub>8</sub> GeSe <sub>6</sub> . ACS Applied Materials & Interfaces, 2019, 11, 2168-2176.	8.0	51
8	Carrier Transport Dynamics in High Speed Black Phosphorus Photodetectors. ACS Photonics, 2018, 5, 1412-1417.	6.6	15
9	Sub-50 picosecond to microsecond carrier transport dynamics in pentacene thin films. Applied Physics Letters, 2018, 113, 183509.	3.3	8
10	Recent advances in inorganic material thermoelectrics. Inorganic Chemistry Frontiers, 2018, 5, 2380-2398.	6.0	63
11	Synergistic Compositional "Mechanical" Thermal Effects Leading to a Record High $zT$ in n-Type V <sub>2</sub> VI <sub>3</sub> Alloys Through Progressive Hot Deformation. Advanced Functional Materials, 2018, 28, 1803617.	14.9	73
12	Electron-hole exchange blockade and memory-less recombination in photoexcited films of colloidal quantum dots. Nature Physics, 2017, 13, 604-610.	16.7	19
13	High thermoelectric figure of merit by resonant dopant in half-Heusler alloys. AIP Advances, 2017, 7, .	1.3	41
14	High Temperature Transport Properties of Yb and In Double-Filled p-Type Skutterudites. Crystals, 2017, 7, 256.	2.2	6
15	Solution-Processed, High-Speed, and High-Quantum-Efficiency Quantum Dot Infrared Photodetectors. ACS Photonics, 2016, 3, 1217-1222.	6.6	73
16	Carrier multiplication detected through transient photocurrent in device-grade films of lead selenide quantum dots. Nature Communications, 2015, 6, 8185.	12.8	56
17	Sharp exponential band tails in highly disordered lead sulfide quantum dot arrays. Physical Review B, 2012, 86, .	3.2	55
18	Pentacene-Based Dendrimers: Synthesis and Thin Film Photoconductivity Measurements of Branched Pentacene Oligomers. Journal of Organic Chemistry, 2009, 74, 5017-5024.	3.2	26