Yao Gao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7263358/publications.pdf

Version: 2024-02-01

30	2,390	279487 23	433756 31
papers	citations	h-index	g-index

31	31	31	3046
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-dimensional halide perovskite nanomaterials and heterostructures. Chemical Society Reviews, 2018, 47, 6046-6072.	18.7	339
2	Molecular engineering of organicâ€“inorganic hybrid perovskites quantum wells. Nature Chemistry, 2019, 11, 1151-1157.	6.6	302
3	Two-dimensional halide perovskite lateral epitaxial heterostructures. Nature, 2020, 580, 614-620.	13.7	284
4	High Mobility Ambipolar Diketopyrrolopyrroleâ€Based Conjugated Polymer Synthesized Via Direct Arylation Polycondensation. Advanced Materials, 2015, 27, 6753-6759.	11.1	187
5	Highly Stable Lead-Free Perovskite Field-Effect Transistors Incorporating Linear Ï€-Conjugated Organic Ligands. Journal of the American Chemical Society, 2019, 141, 15577-15585.	6.6	180
6	Multifluorination toward Highâ€Mobility Ambipolar and Unipolar nâ€Type Donorâ€“Acceptor Conjugated Polymers Based on Isoindigo. Advanced Materials, 2017, 29, 1606217.	11.1	172
7	Multifunctional Conjugated Ligand Engineering for Stable and Efficient Perovskite Solar Cells. Advanced Materials, 2021, 33, e2100791.	11.1	99
8	Layer-by-layer anionic diffusion in two-dimensional halide perovskite vertical heterostructures. Nature Nanotechnology, 2021, 16, 584-591.	15.6	88
9	Extrinsic and Dynamic Edge States of Two-Dimensional Lead Halide Perovskites. ACS Nano, 2019, 13, 1635-1644.	7.3	79
10	Lead-Free Organicâ€“Perovskite Hybrid Quantum Wells for Highly Stable Light-Emitting Diodes. ACS Nano, 2021, 15, 6316-6325.	7.3	73
11	Synthesis and Characterization of Isoindigo[7,6-g]isoindigo-Based Donorâ€“Acceptor Conjugated Polymers. Macromolecules, 2016, 49, 2135-2144.	2.2	64
12	High Mobility Ambipolar Diketopyrrolopyrrole-Based Conjugated Polymers Synthesized via Direct Arylation Polycondensation: Influence of Thiophene Moieties and Side Chains. Macromolecules, 2018, 51, 8752-8760.	2.2	56
13	Ligand-Driven Grain Engineering of High Mobility Two-Dimensional Perovskite Thin-Film Transistors. Journal of the American Chemical Society, 2021, 143, 15215-15223.	6.6	55
14	Two-dimensional halide perovskites featuring semiconducting organic building blocks. Materials Chemistry Frontiers, 2020, 4, 3400-3418.	3.2	50
15	Highly Efficient Halide Perovskite Lightâ€Emitting Diodes via Molecular Passivation. Angewandte Chemie - International Edition, 2021, 60, 8337-8343.	7.2	47
16	Electron-transporting polymers based on a double Bâ†N bridged bipyridine (BNBP) unit. Chemical Communications, 2017, 53, 1649-1652.	2.2	45
17	Donorâ€“Acceptor Conjugated Polymers Based on Indacenodithiophene Derivative Bridged Diketopyrrolopyrroles: Synthesis and Semiconducting Properties. Macromolecules, 2017, 50, 2344-2353.	2.2	36
18	Synthesis of poly(5,6-difluoro-2,1,3-benzothiadiazole-alt-9,9-dioctyl-fluorene) via direct arylation polycondensation. Journal of Polymer Science Part A, 2014, 52, 2367-2374.	2.5	31

#	Article	IF	Citations
19	Quantifying Anionic Diffusion in 2D Halide Perovskite Lateral Heterostructures. Advanced Materials, 2021, 33, .	11.1	31
20	Mechanically robust and self-healable perovskite solar cells. Cell Reports Physical Science, 2021, 2, 100320.	2.8	29
21	Long-lived charge separation in two-dimensional ligand-perovskite heterostructures. Journal of Chemical Physics, 2020, 152, 044711.	1.2	28
22	Thermoelectric Performance of Lead-Free Two-Dimensional Halide Perovskites Featuring Conjugated Ligands. Nano Letters, 2021, 21, 7839-7844.	4.5	28
23	Donorâ€“Acceptor Conjugated Polymers Based on Dithieno[3,2-b:3â€²,2â€²-bâ€²]naphtho[1,2-b:5,6-bâ€²]dithiophene: Synthesis and Semiconducting Properties. Macromolecules, 2016, 49, 825-832.	2.2	26
24	Organic semiconductor-incorporated two-dimensional halide perovskites. National Science Review, 2022, 9, nwab111.	4.6	15
25	Highly Efficient Halide Perovskite Lightâ€Emitting Diodes via Molecular Passivation. Angewandte Chemie, 2021, 133, 8418-8424.	1.6	9
26	Tailoring Anchoring Groups in Lowâ€Dimensional Organic Semiconductorâ€Incorporated Perovskites. Small Structures, 2022, 3, .	6.9	9
27	Synthesis and characterization of diketopyrrolopyrrole-based conjugated molecules flanked by indenothiophene and benzoindenothiophene derivatives. Journal of Materials Chemistry C, 2015, 3, 11135-11143.	2.7	8
28	Organic Cation Engineering for Vertical Charge Transport in Leadâ€Free Perovskite Quantum Wells. Small Science, 2021, 1, 2000024.	5.8	8
29	A selenophene-containing conjugated organic ligand for two-dimensional halide perovskites. Chemical Communications, 2021, 57, 11469-11472.	2.2	7
30	Acceptor-donor-acceptor conjugated oligomers based on diketopyrrolopyrrole and thienoacenes with four, five and six rings for organic thin-film transistors. Chinese Journal of Polymer Science (English Edition), 2017, 35, 480-489.	2.0	4