Ye Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/456083/publications.pdf

Version: 2024-02-01

25 papers	1,950 citations	516710 16 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	3984 citing authors

#	Article	IF	Citations
1	Joule-heated graphene-wrapped sponge enables fast clean-up of viscous crude-oil spill. Nature Nanotechnology, 2017, 12, 434-440.	31.5	610
2	A Stretchable Electronic Fabric Artificial Skin with Pressureâ€; Lateral Strainâ€; and Flexionâ€Sensitive Properties. Advanced Materials, 2016, 28, 722-728.	21.0	400
3	Coâ€“Ni layered double hydroxides for water oxidation in neutral electrolyte. Physical Chemistry Chemical Physics, 2013, 15, 7363.	2.8	143
4	Spin-enhanced organic bulk heterojunction photovoltaic solar cells. Nature Communications, 2012, 3, 1043.	12.8	105
5	Lead-free Cesium Europium Halide Perovskite Nanocrystals. Nano Letters, 2020, 20, 3734-3739.	9.1	103
6	Quantitative imaging of anion exchange kinetics in halide perovskites. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12648-12653.	7.1	84
7	Phase Transitions and Anion Exchange in All-Inorganic Halide Perovskites. Accounts of Materials Research, 2020, 1, 3-15.	11.7	67
8	Hierarchical cobalt-based hydroxide microspheres for water oxidation. Nanoscale, 2014, 6, 3376.	5.6	62
9	Giant Light-Emission Enhancement in Lead Halide Perovskites by Surface Oxygen Passivation. Nano Letters, 2018, 18, 6967-6973.	9.1	59
10	Two-Step Patterning of Scalable All-Inorganic Halide Perovskite Arrays. ACS Nano, 2020, 14, 3500-3508.	14.6	44
11	Cobalt-based layered double hydroxides as oxygen evolving electrocatalysts in neutral electrolyte. Frontiers of Materials Science, 2012, 6, 142-148.	2.2	39
12	Ferroelectricity in a semiconducting all-inorganic halide perovskite. Science Advances, 2022, 8, eabj5881.	10.3	37
13	Kinetics of moisture-induced phase transformation in inorganic halide perovskite. Matter, 2021, 4, 2392-2402.	10.0	34
14	Tunable photoresponse of epitaxial graphene on SiC. Applied Physics Letters, 2013, 103, .	3.3	26
15	Scaling Laws of Exciton Recombination Kinetics in Low Dimensional Halide Perovskite Nanostructures. Journal of the American Chemical Society, 2020, 142, 8871-8879.	13.7	26
16	A large-area 15 nm graphene nanoribbon array patterned by a focused ion beam. Nanotechnology, 2014, 25, 135301.	2.6	23
17	The making of a reconfigurable semiconductor with a soft ionic lattice. Matter, 2021, 4, 3874-3896.	10.0	17
18	Supramolecular Assembly of Halide Perovskite Building Blocks. Journal of the American Chemical Society, 2022, 144, 12450-12458.	13.7	16

#	Article	IF	Citations
19	Assembly of Multicomponent Protein Filaments Using Engineered Subunit Interfaces. ACS Synthetic Biology, 2018, 7, 2447-2456.	3.8	15
20	Stretchable Electronics: A Stretchable Electronic Fabric Artificial Skin with Pressureâ€; Lateral Strainâ€; and Flexionâ€Sensitive Properties (Adv. Mater. 4/2016). Advanced Materials, 2016, 28, 783-783.	21.0	9
21	A New Perspective and Design Principle for Halide Perovskites: Ionic Octahedron Network (ION). Nano Letters, 2021, 21, 5415-5421.	9.1	9
22	Phase transition dynamics in one-dimensional halide perovskite crystals. MRS Bulletin, 2021, 46, 310-316.	3.5	8
23	Controlling the Phase Transition in CsPbI₃ Nanowires. Nano Letters, 2022, 22, 2437-2443.	9.1	8
24	Crumpling of a pyrolytic graphite sheet. Journal of Applied Physics, 2013, 114, 163512.	2.5	5
25	Phase transition dynamics in one-dimensional halide perovskite crystals. MRS Bulletin, 0, , 1-7.	3.5	1