

Yanan Fang

List of Publications by Citations

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papers

3,153
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31
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3,587
ext. citations

9.9
avg, IF

5.02
L-index

#	Paper	IF	Citations
30	Synthesis and crystal chemistry of the hybrid perovskite (CH ₃ NH ₃)PbI ₃ for solid-state sensitised solar cell applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5628	13	1972
29	A combined single crystal neutron/X-ray diffraction and solid-state nuclear magnetic resonance study of the hybrid perovskites CH ₃ NH ₃ PbX ₃ (X = I, Br and Cl). <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9298-9307	13	216
28	Mechanical properties of organic-inorganic halide perovskites, CH ₃ NH ₃ PbX ₃ (X = I, Br and Cl), by nanoindentation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18450-18455	13	139
27	Pressure-Dependent Polymorphism and Band-Gap Tuning of Methylammonium Lead Iodide Perovskite. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6540-4	16.4	131
26	Crystalline Fe ₂ O ₃ /Fe ₂ TiO ₅ heterojunction nanorods with efficient charge separation and hole injection as photoanode for solar water oxidation. <i>Nano Energy</i> , 2016 , 22, 310-318	17.1	80
25	Manipulating efficient light emission in two-dimensional perovskite crystals by pressure-induced anisotropic deformation. <i>Science Advances</i> , 2019 , 5, eaav9445	14.3	73
24	High-Pressure-Induced Comminution and Recrystallization of CH ₃ NH ₃ PbBr Nanocrystals as Large Thin Nanoplates. <i>Advanced Materials</i> , 2018 , 30, 1705017	24	73
23	Revealing the Role of TiO ₂ Surface Treatment of Hematite Nanorods Photoanodes for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16960-6	9.5	72
22	Cesium Copper Iodide Tailored Nanoplates and Nanorods for Blue, Yellow, and White Emission. <i>Chemistry of Materials</i> , 2019 , 31, 9003-9011	9.6	65
21	Pressure-Engineered Structural and Optical Properties of Two-Dimensional (CH ₃ NH ₃)PbI Perovskite Exfoliated nm-Thin Flakes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1235-1241	16.4	61
20	Hydrogen-Bonding Evolution during the Polymorphic Transformations in CH ₃ NH ₃ PbBr ₃ : Experiment and Theory. <i>Chemistry of Materials</i> , 2017 , 29, 5974-5981	9.6	51
19	In Situ Growth of [hk1]-Oriented Sb ₂ S ₃ for Solution-Processed Planar Heterojunction Solar Cell with 6.4% Efficiency. <i>Advanced Functional Materials</i> , 2020 , 30, 2002887	15.6	42
18	Understanding charge transport in non-doped pristine and surface passivated hematite (FeO) nanorods under front and backside illumination in the context of light induced water splitting. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30370-30378	3.6	25
17	Robust solid oxide cells for alternate power generation and carbon conversion. <i>RSC Advances</i> , 2011 , 1, 715	3.7	25
16	Anisotropic oxide ion conduction in melilite intermediate temperature electrolytes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3091-3096	13	18
15	Investigating the structure-function relationship in triple cation perovskite nanocrystals for light-emitting diode applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11805-11821	7.1	17
14	Performance Enhanced Light-Emitting Diodes Fabricated from Nanocrystalline CsPbBr ₃ with In Situ Zn ²⁺ Addition. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 4002-4011	4	16

13	Precise Control of CsPbBr ₃ Perovskite Nanocrystal Growth at Room Temperature: Size Tunability and Synthetic Insights. <i>Chemistry of Materials</i> , 2021 , 33, 2387-2397	9.6	14
12	Pressure-Dependent Polymorphism and Band-Gap Tuning of Methylammonium Lead Iodide Perovskite. <i>Angewandte Chemie</i> , 2016 , 128, 6650-6654	3.6	11
11	Crystal Chemistry and Antibacterial Properties of Cupriferous Hydroxyapatite. <i>Materials</i> , 2019 , 12,	3.5	11
10	The crystal chemistry of Ca(10-y)(SiO ₄) ₃ (SO ₄) ₃ Cl(2-x-2y)F(x) ellestadite. <i>Inorganic Chemistry</i> , 2011 , 50, 12641-50	5.1	10
9	Controllable Solution-Phase Epitaxial Growth of Q1D Sb (S,Se) /CdS Heterojunction Solar Cell with 9.2% Efficiency. <i>Advanced Materials</i> , 2021 , 33, e2104346	24	8
8	Room temperature synthesis of low-dimensional rubidium copper halide colloidal nanocrystals with near unity photoluminescence quantum yield. <i>Nanoscale</i> , 2021 , 13, 59-65	7.7	7
7	The synergistic effect of cation mixing in mesoporous Bi _x Fe _{1-x} VO ₄ heterojunction photoanodes for solar water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14816-14824	13	5
6	Pressure-Induced Phase Transitions and Bandgap-Tuning Effect of Methylammonium Lead Iodide Perovskite. <i>MRS Advances</i> , 2018 , 3, 1825-1830	0.7	3
5	Crystal Chemistry of Vanadium-Bearing Ellestadite Waste Forms. <i>Inorganic Chemistry</i> , 2018 , 57, 9122-9132	3.1	3
4	Composition-tuned MAPbBr nanoparticles with addition of Cs cations for improved photoluminescence.. <i>RSC Advances</i> , 2021 , 11, 24137-24143	3.7	1
3	Nanostructured Iron Vanadate Photoanodes with Enhanced Visible Absorption and Charge Separation. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3409-3416	6.1	1
2	Structure and surface properties of size-tuneable CsPbBr nanocrystals. <i>Nanoscale</i> , 2021 , 13, 15770-15780	0.7	0
1	Toward Efficient and Stable Perovskite Photovoltaics with Fluorinated Phosphonate Salt Surface Passivation. <i>ACS Applied Energy Materials</i> , 2021 , 4, 2716-2723	6.1	0