Jun Pan

List of Publications by Year in Descending Order

57 papers	5,985 citations	32 h-index	58 g-index
58 ext. papers	6,950 ext. citations	10.5 avg, IF	5.43 L-index

#	Paper	IF	Citations
57	Enhanced stability of silver nanowire transparent conductive films against ultraviolet light illumination. *Nanotechnology*, **2021**, 32, 055603	3.4	2
56	A highly sensitive strain sensor with a sandwich structure composed of two silver nanoparticles layers and one silver nanowires layer for human motion detection. *Nanotechnology*, **2021**, 32,	3.4	2
55	Oriented Halide Perovskite Nanostructures and Thin Films for Optoelectronics. *Chemical Reviews*, **2021**, 121, 12112-12180	68.1	25
54	Ti3C2 MXene-based Schottky photocathode for enhanced photoelectrochemical sensing. *Journal of Alloys and Compounds*, **2021**, 859, 157787	5.7	10
53	Alternating Current Electroluminescent Devices with Inorganic Phosphors for Deformable Displays. *Cell Reports Physical Science*, **2020**, 1, 100213	6.1	8
52	2D foaming of ultrathin MXene sheets with highly conductive silver nanowires for wearable electromagnetic interference shielding applications owing to multiple reflections within created free space. *Nano Futures*, **2020**, 4, 035002	3.6	8
51	Constructing Polymorphic Nanodomains in BaTiO3 Films via Epitaxial Symmetry Engineering. *Advanced Functional Materials*, **2020**, 30, 1910569	15.6	14
50	Edge stabilization in reduced-dimensional perovskites. *Nature Communications*, **2020**, 11, 170	17.4	79
49	Wearable electronics for heating and sensing based on a multifunctional PET/silver nanowire/PDMS yarn. *Nanoscale*, **2020**, 12, 16562-16569	7.7	25
48	P-124: Perovskite Quantum Dots Display: Challenges and Opportunities. *Digest of Technical Papers SID International Symposium*, **2019**, 50, 1712-1715	0.5	6
47	Light-Induced Self-Assembly of Cubic CsPbBr3 Perovskite Nanocrystals into Nanowires. *Chemistry of Materials*, **2019**, 31, 6642-6649	9.6	73
46	Quantum Dots Supply Bulk- and Surface-Passivation Agents for Efficient and Stable Perovskite Solar Cells. *Joule*, **2019**, 3, 1963-1976	27.8	154
45	High-speed colour-converting photodetector with all-inorganic CsPbBr perovskite nanocrystals for ultraviolet light communication. *Light: Science and Applications*, **2019**, 8, 94	16.7	125
44	Halogen Vacancies Enable Ligand-Assisted Self-Assembly of Perovskite Quantum Dots into Nanowires. *Angewandte Chemie*, **2019**, 131, 16223-16227	3.6	13
43	Halogen Vacancies Enable Ligand-Assisted Self-Assembly of Perovskite Quantum Dots into Nanowires. *Angewandte Chemie - International Edition*, **2019**, 58, 16077-16081	16.4	32
42	High-Speed Ultraviolet-C Photodetector Based on Frequency Down-Converting CsPbBr3 Perovskite Nanocrystals on Silicon Platform **2019**,		1
41	Bidentate Ligand-Passivated CsPbI Perovskite Nanocrystals for Stable Near-Unity Photoluminescence Quantum Yield and Efficient Red Light-Emitting Diodes. *Journal of the American Chemical Society*, **2018**, 140, 562-565	16.4	537

40	Peripheral Dopamine Controlled by Gut Microbes Inhibits Invariant Natural Killer T Cell-Mediated Hepatitis. *Frontiers in Immunology*, **2018**, 9, 2398	8.4	25
39	Giant Photoluminescence Enhancement in CsPbCl3 Perovskite Nanocrystals by Simultaneous Dual-Surface Passivation. *ACS Energy Letters*, **2018**, 3, 2301-2307	20.1	189
38	P-203: Late-News Poster: Novel Techniques for Highly Stable Luminescent Perovskite Halide Quantum Dots. *Digest of Technical Papers SID International Symposium*, **2018**, 49, 1681-1684	0.5	5
37	Tailoring the Energy Landscape in Quasi-2D Halide Perovskites Enables Efficient Green-Light Emission. *Nano Letters*, **2017**, 17, 3701-3709	11.5	309
36	8-2: Invited Paper: A New Generation of Luminescent Materials Based on Low-Dimensional Perovskites. *Digest of Technical Papers SID International Symposium*, **2017**, 48, 83-86	0.5	1
35	Synthesis of single-crystal-like nanoporous carbon membranes and their application in overall water splitting. *Nature Communications*, **2017**, 8, 13592	17.4	123
34	Room-Temperature Engineering of All-Inorganic Perovskite Nanocrsytals with Different Dimensionalities. *Chemistry of Materials*, **2017**, 29, 8978-8982	9.6	137
33	Direct-Indirect Nature of the Bandgap in Lead-Free Perovskite Nanocrystals. *Journal of Physical Chemistry Letters*, **2017**, 8, 3173-3177	6.4	139
32	Ultralow Self-Doping in Two-dimensional Hybrid Perovskite Single Crystals. *Nano Letters*, **2017**, 17, 4759-4767	11.5	202
31	Highly Efficient Perovskite-Quantum-Dot Light-Emitting Diodes by Surface Engineering. *Advanced Materials*, **2016**, 28, 8718-8725	24	700
30	Shape-Tunable Charge Carrier Dynamics at the Interfaces between Perovskite Nanocrystals and Molecular Acceptors. *Journal of Physical Chemistry Letters*, **2016**, 7, 3913-3919	6.4	38
29	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. *Science Advances*, **2016**, 2, e1501491	14.3	96
28	Amine-Free Synthesis of Cesium Lead Halide Perovskite Quantum Dots for Efficient Light-Emitting Diodes. *Advanced Functional Materials*, **2016**, 26, 8757-8763	15.6	265
27	Perovskite Nanocrystals as a Color Converter for Visible Light Communication. *ACS Photonics*, **2016**, 3, 1150-1156	6.3	171
26	Robust and air-stable sandwiched organo-lead halide perovskites for photodetector applications. *Journal of Materials Chemistry C*, **2016**, 4, 2545-2552	7.1	46
25	Solution-Grown Monocrystalline Hybrid Perovskite Films for Hole-Transporter-Free Solar Cells. *Advanced Materials*, **2016**, 28, 3383-90	24	238
24	Pure Cs4PbBr6: Highly Luminescent Zero-Dimensional Perovskite Solids. *ACS Energy Letters*, **2016**, 1, 840-845	20.1	367
23	Engineering of CH3NH3PbI3 Perovskite Crystals by Alloying Large Organic Cations for Enhanced Thermal Stability and Transport Properties. *Angewandte Chemie*, **2016**, 128, 10844-10848	3.6	15

22	Engineering of CH3 NH3 PbI3 Perovskite Crystals by Alloying Large Organic Cations for Enhanced Thermal Stability and Transport Properties. *Angewandte Chemie - International Edition*, **2016**, 55, 10686-90	16.4	121
21	Air-Stable Surface-Passivated Perovskite Quantum Dots for Ultra-Robust, Single- and Two-Photon-Induced Amplified Spontaneous Emission. *Journal of Physical Chemistry Letters*, **2015**, 6, 5027-33	6.4	398
20	Characterization of size, anisotropy, and density heterogeneity of nanoparticles by sedimentation velocity. *Analytical Chemistry*, **2014**, 86, 7688-95	7.8	63
19	Air-stable n-type colloidal quantum dot solids. *Nature Materials*, **2014**, 13, 822-8	27	466
18	Real-Time Observation of Ultrafast Intraband Relaxation and Exciton Multiplication in PbS Quantum Dots. *ACS Photonics*, **2014**, 1, 285-292	6.3	50
17	Controllable synthesis of TiO2 nanomaterials by assisting with l-cysteine and ethylenediamine. *Journal of Materials Science*, **2014**, 49, 897-904	4.3	3
16	Directly deposited quantum dot solids using a colloidally stable nanoparticle ink. *Advanced Materials*, **2013**, 25, 5742-9	24	87
15	Automated synthesis of photovoltaic-quality colloidal quantum dots using separate nucleation and growth stages. *ACS Nano*, **2013**, 7, 10158-66	16.7	77
14	Gram-scale fractionation of nanodiamonds by density gradient ultracentrifugation. *Nanoscale*, **2013**, 5, 5017-26	7.7	26
13	Synthesis of cadmium chalcogenide nanotubes at room temperature. *Materials Letters*, **2012**, 85, 132-134	3.3	6
12	Glycine assisted synthesis of flower-like TiO2 hierarchical spheres and its application in photocatalysis. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2012**, 177, 1664-1671	3.1	31
11	Colloidal quantum dot photovoltaics: the effect of polydispersity. *Nano Letters*, **2012**, 12, 1007-12	11.5	95
10	Ag44(SR)30(4-): a silver-thiolate superatom complex. *Nanoscale*, **2012**, 4, 4269-74	7.7	138
9	Cadmium sulfide rod-bundle structures decorated with nanoparticles from an inorganic/organic composite. *Journal of Nanoparticle Research*, **2011**, 13, 3535-3543	2.3	3
8	Hydrothermal Synthesis and Electrochemical Properties of Urchin-Like Core–Shell Copper Oxide Nanostructures. *Journal of Physical Chemistry C*, **2010**, 114, 9645-9650	3.8	62
7	Synthesis and Gas Sensing Properties of Urchin-Like CuO Self-Assembled by Nanorods through a Poly(ethylene glycol)-Assisted Hydrothermal Process. *Advanced Materials Research*, **2009**, 79-82, 1059-1062	0.5	1
6	Tartatric Acid and L-Cysteine Synergistic-Assisted Synthesis of Antimony Trisulfide Hierarchical Structures in Aqueous Solution. *European Journal of Inorganic Chemistry*, **2009**, 2009, 5302-5306	2.3	14
5	Removal of Pb(II) from aqueous solution on chitosan/TiO(2) hybrid film. *Journal of Hazardous Materials*, **2009**, 161, 718-22	12.8	86

4	Ultrasonically Assisted Synthesis of Tin Sulfide Nanorods at Room Temperature. *Advanced Materials Research*, **2009**, 79-82, 313-316	0.5	4
3	Tetraethylenepentamine-directed controllable synthesis of wurtzite ZnSe nanostructures with tunable morphology. *Chemistry - A European Journal*, **2008**, 14, 9786-91	4.8	28
2	Tensile strength optimization and characterization of chitosan/TiO2 hybrid film. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2007**, 138, 84-89	3.1	42
1	Recent Progress in the Stability of Red-Emissive Perovskite Nanocrystals for Light-Emitting Diodes1233-1254		4