Zhou Yang

List of Publications by Citations

285	10,129	47	92
papers	citations	h-index	g-index
300	12,046	6.3	6.39
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
285	Two-Inch-Sized Perovskite CH3 NH3 PbX3 (X = Cl, Br, I) Crystals: Growth and Characterization. *Advanced Materials*, **2015**, 27, 5176-83	24	746
284	Stable high efficiency two-dimensional perovskite solar cells via cesium doping. *Energy and Environmental Science*, **2017**, 10, 2095-2102	35.4	496
283	High efficiency flexible perovskite solar cells using superior low temperature TiO2. *Energy and Environmental Science*, **2015**, 8, 3208-3214	35.4	457
282	Phenylalkylamine Passivation of Organolead Halide Perovskites Enabling High-Efficiency and Air-Stable Photovoltaic Cells. *Advanced Materials*, **2016**, 28, 9986-9992	24	425
281	Highly Stretchable, Elastic, and Ionic Conductive Hydrogel for Artificial Soft Electronics. *Advanced Functional Materials*, **2019**, 29, 1806220	15.6	342
280	Record Efficiency Stable Flexible Perovskite Solar Cell Using Effective Additive Assistant Strategy. *Advanced Materials*, **2018**, 30, e1801418	24	286
279	Effects of the Morphology of a ZnO Buffer Layer on the Photovoltaic Performance of Inverted Polymer Solar Cells. *Advanced Functional Materials*, **2012**, 22, 2194-2201	15.6	259
278	Smart Windows: Electro-, Thermo-, Mechano-, Photochromics, and Beyond. *Advanced Energy Materials*, **2019**, 9, 1902066	21.8	216
277	Emerging Thermal-Responsive Materials and Integrated Techniques Targeting the Energy-Efficient Smart Window Application. *Advanced Functional Materials*, **2018**, 28, 1800113	15.6	201
276	Large-Size Bulk and Thin-Film Stilbazolium-Salt Single Crystals for Nonlinear Optics and THz Generation. *Advanced Functional Materials*, **2007**, 17, 2018-2023	15.6	196
275	Metal□Organic Framework Nanoshuttle for Synergistic Photodynamic and Low-Temperature Photothermal Therapy. *Advanced Functional Materials*, **2018**, 28, 1804634	15.6	177
274	Wide Blue Phase Range in a Hydrogen-Bonded Self-Assembled Complex of Chiral Fluoro-Substituted Benzoic Acid and Pyridine Derivative. *Advanced Materials*, **2009**, 21, 2050-2053	24	172
273	Temperature-responsive hydrogel with ultra-large solar modulation and high luminous transmission for □mart window□pplications. *Journal of Materials Chemistry A*, **2014**, 2, 13550-13555	13	160
272	VO2/hydrogel hybrid nanothermochromic material with ultra-high solar modulation and luminous transmission. *Journal of Materials Chemistry A*, **2015**, 3, 1121-1126	13	143
271	Aptamer-Conjugated Graphene Quantum Dots/Porphyrin Derivative Theranostic Agent for Intracellular Cancer-Related MicroRNA Detection and Fluorescence-Guided Photothermal/Photodynamic Synergetic Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 159-166	9.5	135
270	Benzylamine-Treated Wide-Bandgap Perovskite with High Thermal-Photostability and Photovoltaic Performance. *Advanced Energy Materials*, **2017**, 7, 1701048	21.8	135
269	Electrically controllable selective reflection of chiral nematic liquid crystal/chiral ionic liquid composites. *Advanced Materials*, **2010**, 22, 468-72	24	125

268	Alternating precursor layer deposition for highly stable perovskite films towards efficient solar cells using vacuum deposition. *Journal of Materials Chemistry A*, **2015**, 3, 9401-9405	13	121
267	Giant photostriction in organic-inorganic lead halide perovskites. *Nature Communications*, **2016**, 7, 11193	17.4	119
266	Carbon-Oxygen-Bridged Ladder-Type Building Blocks for Highly Efficient Nonfullerene Acceptors. *Advanced Materials*, **2019**, 31, e1804790	24	117
265	Synthesis and Crystal Growth of Stilbazolium Derivatives for Second-Order Nonlinear Optics. *Advanced Functional Materials*, **2005**, 15, 1072-1076	15.6	112
264	Synthesis and crystal structure of a new stilbazolium salt with large second-order optical nonlinearity. *Journal of Materials Chemistry*, **2006**, 16, 2839-2842		108
263	A New Postfunctional Approach To Prepare Second-Order Nonlinear Optical Polyphophazenes Containing Sulfonyl-Based Chromophore. *Macromolecules*, **2004**, 37, 371-376	5.5	98
262	Synergistic effects from graphene and carbon nanotubes endow ordered hierarchical structure foams with a combination of compressibility, super-elasticity and stability and potential application as pressure sensors. *Nanoscale*, **2015**, 7, 9252-60	7.7	97
261	Molecular Engineering of Stilbazolium Derivatives for Second-Order Nonlinear Optics. *Chemistry of Materials*, **2007**, 19, 3512-3518	9.6	97
260	Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays: Catalyst Deactivation or Feedstock Diffusion Controlled?. *Journal of Physical Chemistry C*, **2008**, 112, 4892-4896	3.8	96
259	Fully Printed Flexible Smart Hybrid Hydrogels. *Advanced Functional Materials*, **2018**, 28, 1705365	15.6	89
258	Enhancing ferroelectric photovoltaic effect by polar order engineering. *Science Advances*, **2018**, 4, eaat3438	13	88
257	Linear and nonlinear optical properties of the organic crystal DSTMS. *Journal of the Optical Society of America B: Optical Physics*, **2007**, 24, 2556	1.7	87
256	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. *ACS Applied Materials & Interfaces*, **2016**, 8, 9769-76	9.5	81
255	Fused-Ring Electron Acceptor ITIC-Th: A Novel Stabilizer for Halide Perovskite Precursor Solution. *Advanced Energy Materials*, **2018**, 8, 1703399	21.8	80
254	High-Performance All-Polymer Photoresponse Devices Based on Acceptor–Acceptor Conjugated Polymers. *Advanced Functional Materials*, **2016**, 26, 6306-6315	15.6	79
253	Composition-Tuned Wide Bandgap Perovskites: From Grain Engineering to Stability and Performance Improvement. *Advanced Functional Materials*, **2018**, 28, 1803130	15.6	78
252	A Bacteriochlorin-Based Metal-Organic Framework Nanosheet Superoxide Radical Generator for Photoacoustic Imaging-Guided Highly Efficient Photodynamic Therapy. *Advanced Science*, **2019**, 6, 1900530	13.6	75
251	The partitioning and site preference of rhenium or ruthenium in model nickel-based superalloys: An atom-probe tomographic and first-principles study. *Applied Physics Letters*, **2008**, 93, 171905	3.4	64

250	Switchable photovoltaic response from polarization modulated interfaces in BiFeO3 thin films. *Applied Physics Letters*, **2014**, 104, 142903	3.4	62
249	Cancer Cell Membrane Camouflaged Nanoprobe for Catalytic Ratiometric Photoacoustic Imaging of MicroRNA in Living Mice. *Advanced Materials*, **2019**, 31, e1807888	24	61
248	Molecular Structures and Second-Order Nonlinear Optical Properties of Ionic Organic Crystal Materials. *Crystals*, **2016**, 6, 158	2.3	59
247	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 7744-7749	11.5	58
246	Synthesis and characterization of reactive poloxamer 407s for biomedical applications. *Journal of Controlled Release*, **2009**, 138, 49-56	11.7	58
245	An Ultra-Broadband Near-Infrared Cr3+-Activated Gallogermanate Mg3Ga2GeO8 Phosphor as Light Sources for Food Analysis. *ACS Applied Electronic Materials*, **2019**, 1, 1046-1053	4	57
244	Second-order nonlinear optical property of polyphosphazenes containing charge-transporting agents and indole-based chromophore. *Polymer*, **2005**, 46, 4971-4978	3.9	55
243	Gold Nanorods Conjugated Porous Silicon Nanoparticles Encapsulated in Calcium Alginate Nano Hydrogels Using Microemulsion Templates. *Nano Letters*, **2018**, 18, 1448-1453	11.5	54
242	Temperature-responsive hydroxypropylcellulose based thermochromic material and its smart window application. *RSC Advances*, **2016**, 6, 61449-61453	3.7	50
241	Enhanced cancer therapy by hypoxia-responsive copper metal-organic frameworks nanosystem. *Biomaterials*, **2020**, 258, 120278	15.6	50
240	Control of the microstructure of polymer network and effects of the microstructures on light scattering properties of UV-cured polymer-dispersed liquid crystal films. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 2090-2099	2.6	48
239	Influence of dialdehyde bacterial cellulose with the nonlinear elasticity and topology structure of ECM on cell adhesion and proliferation. *RSC Advances*, **2014**, 4, 3998-4009	3.7	47
238	Stimuli-Directed Dynamic Reconfiguration in Self-Organized Helical Superstructures Enabled by Chemical Kinetics of Chiral Molecular Motors. *Advanced Science*, **2018**, 5, 1700613	13.6	47
237	Zinc(II) Metalated Porphyrins as Photothermogenic Photosensitizers for Cancer Photodynamic/Photothermal Synergistic Therapy. *ACS Applied Materials & Interfaces*, **2018**, 10, 238-247	9.5	45
236	Porous PbI2 films for the fabrication of efficient, stable perovskite solar cells via sequential deposition. *Journal of Materials Chemistry A*, **2016**, 4, 10223-10230	13	45
235	Solution-processed indacenodithiophene-based small molecule for bulk heterojunction solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 14214	13	45
234	Thiol/acrylate-modified PEO-PPO-PEO triblocks used as reactive and thermosensitive copolymers. *Biomacromolecules*, **2008**, 9, 2621-8	6.9	45
233	Simultaneous Enhancement of Three Parameters of P3HT-Based Organic Solar Cells with One Oxygen Atom. *Advanced Energy Materials*, **2019**, 9, 1803012	21.8	45

232	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. *Advanced Materials*, **2018**, 30, e1803249	24	45
231	Upconversion Nanoparticle-Induced Multimode Photodynamic Therapy Based on a Metal-Organic Framework/Titanium Dioxide Nanocomposite. *ACS Applied Materials & Interfaces*, **2020**, 12, 12600-12608	9.5	42
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229	Structure and Luminescence Properties of Mn-Activated KTaOF Red Phosphor for White LEDs. *Inorganic Chemistry*, **2019**, 58, 4412-4419	5.1	40
228	Electro-Thermochromic Devices Composed of Self-Assembled Transparent Electrodes and Hydrogels. *Advanced Materials Technologies*, **2016**, 1, 1600069	6.8	40
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226	Sustained release of exendin-4 from tannic acid/Fe (III) nanoparticles prolongs blood glycemic control in a mouse model of type II diabetes. *Journal of Controlled Release*, **2019**, 301, 119-128	11.7	37
225	Enhanced Photoelectrochemical Performance in Reduced Graphene Oxide/BiFeO Heterostructures. *Small*, **2017**, 13, 1603457	11	35
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222	Design and synthesis of a thermally stable second-order nonlinear optical chromophore and its poled polymers. *Journal of Polymer Science Part A*, **2003**, 41, 2846-2853	2.5	33
221	Competition between strain and dimensionality effects on the electronic phase transitions in NdNiO3 films. *Scientific Reports*, **2015**, 5, 18707	4.9	33
220	Synthesis of chiral azobenzene derivatives and the performance in photochemical control of blue phase liquid crystal. *Liquid Crystals*, **2018**, 45, 370-380	2.3	32
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217	Origin of the uniaxial magnetic anisotropy in La0.7Sr0.3MnO3 on stripe-domain BiFeO3. *Physical Review B*, **2013**, 88,	3.3	32
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215	On the nanometer scale phase separation of a low-supersaturation NiAlCr alloy. *Philosophical Magazine*, **2010**, 90, 219-235	1.6	31

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211	A pH-responsive zinc (II) metalated porphyrin for enhanced photodynamic/photothermal combined cancer therapy. *Science China Materials*, **2019**, 62, 1199-1209	7.1	29
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209	Nonlinear optical properties of symmetrical and asymmetrical porphyrin derivatives with click chemistry modification. *Dyes and Pigments*, **2016**, 134, 155-163	4.6	29
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171	Preparation of polymer-dispersed liquid crystal doped with indium tin oxide nanoparticles. *Liquid Crystals*, **2018**, 45, 1068-1077	2.3	19
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137	Network morphology and electro-optical characterisations of epoxy-based polymer stabilised liquid crystals. *Liquid Crystals*, **2020**, 47, 481-488	2.3	13
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