Zhi-Feng Huang

List of Publications by Year in Descending Order

42 papers	679 citations	16 h-index	25 g-index
45 ext. papers	810 ext. citations	10.5 avg, IF	4.43 L-index

#	Paper	IF	Citations
42	Chiral Nanoparticles with Enhanced Thermal Stability of Chiral Structures through Alloying.. *Small*, **2022**, e2107657	11	0
41	Highly Efficient Large-Area Flexible Perovskite Solar Cells Containing Tin Oxide Vertical Nanopillars without Oxygen Vacancies. *ACS Applied Energy Materials*, **2022**, 5, 3568-3577	6.1	2
40	Nanohelix-Induced Optical Activity of Liquid Metal Nanoparticles.. *Small*, **2022**, e2200620	11	0
39	Disclosure of charge storage mechanisms in molybdenum oxide nanobelts with enhanced supercapacitive performance induced by oxygen deficiency. *Rare Metals*, **2021**, 40, 2447-2454	5.5	14
38	Low-Temperature-Deposited TiO2 Nanopillars for Efficient and Flexible Perovskite Solar Cells. *Advanced Materials Interfaces*, **2021**, 8, 2001512	4.6	6
37	Titanium Nanopillar Arrays Functioning as Electron Transporting Layers for Efficient, Anti-Aging Perovskite Solar Cells. *Small*, **2021**, 17, e2004778	11	5
36	One-Fold Anisotropy of Silver Chiral Nanoparticles Studied by Second-Harmonic Generation. *ACS Sensors*, **2021**, 6, 454-460	9.2	
35	Recent Advances in Inorganic Chiral Nanomaterials. *Advanced Materials*, **2021**, e2005506	24	15
34	Flexible Solar Cells: Low-Temperature-Deposited TiO2 Nanopillars for Efficient and Flexible Perovskite Solar Cells (Adv. Mater. Interfaces 3/2021). *Advanced Materials Interfaces*, **2021**, 8, 2170016	4.6	1
33	Sensitive, High-Speed, and Broadband Perovskite Photodetectors with Built-In TiO Metalenses. *Small*, **2021**, 17, e2102694	11	1
32	Chiral Ligand-Free, Optically Active Nanoparticles Inherently Composed of Chiral Lattices at the Atomic Scale. *Small*, **2020**, 16, e2001473	11	10
31	Chiral Nanoparticles: Chiral Ligand-Free, Optically Active Nanoparticles Inherently Composed of Chiral Lattices at the Atomic Scale (Small 24/2020). *Small*, **2020**, 16, 2070134	11	5
30	Chiral nanoparticle-induced amplification in optical activity of molecules with chiral centers. *Informa□□Materi□y*, **2020**, 2, 1216-1224	23.1	4
29	Binary Chiral Nanoparticles Exhibit Amplified Optical Activity and Enhanced Refractive Index Sensitivity. *Small*, **2020**, 16, e1906048	11	6
28	Extension of Compositional Space to the Ternary in Alloy Chiral Nanoparticles through Galvanic Replacement Reactions. *Advanced Science*, **2020**, 7, 2001321	13.6	8
27	Enantioselective photoinduced cyclodimerization of a prochiral anthracene derivative adsorbed on helical metal nanostructures. *Nature Chemistry*, **2020**, 12, 551-559	17.6	41
26	Chirality Transfer in Galvanic Replacement Reactions. *Nano Letters*, **2019**, 19, 7427-7433	11.5	14

25	Fabrication of Nickel Oxide Nanopillar Arrays on Flexible Electrodes for Highly Efficient Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 3676-3683	11.5	33
24	Chiral Nanoparticles: Chiral Nanoparticle-Induced Enantioselective Amplification of Molecular Optical Activity (Adv. Funct. Mater. 8/2019). *Advanced Functional Materials*, **2019**, 29, 1970050	15.6	1
23	Extracellular Nanomatrix-Induced Self-Organization of Neural Stem Cells into Miniature Substantia Nigra-Like Structures with Therapeutic Effects on Parkinsonian Rats. *Advanced Science*, **2019**, 6, 1901822	13.6	4
22	Plasmonic-Enhanced Cholesteric Films: Coassembling Anisotropic Gold Nanorods with Cellulose Nanocrystals. *Advanced Optical Materials*, **2019**, 7, 1801816	8.1	26
21	Parkinson's Disease: Extracellular Nanomatrix-Induced Self-Organization of Neural Stem Cells into Miniature Substantia Nigra-Like Structures with Therapeutic Effects on Parkinsonian Rats (Adv. Sci. 24/2019). *Advanced Science*, **2019**, 6, 1970144	13.6	78
20	Helical nanoparticle-induced enantiospecific adsorption of N3 dyes. *Chemical Communications*, **2018**, 54, 4270-4273	5.8	12
19	Chiral Nanoparticle-Induced Enantioselective Amplification of Molecular Optical Activity. *Advanced Functional Materials*, **2018**, 29, 1807307	15.6	17
18	Chiroptically Active Metallic Nanohelices with Helical Anisotropy. *Small*, **2017**, 13, 1701883	11	22
17	Nanostructures: Ultraviolet-Visible Chiroptical Activity of Aluminum Nanostructures (Small 39/2017). *Small*, **2017**, 13,	11	1
16	Ultraviolet-Visible Chiroptical Activity of Aluminum Nanostructures. *Small*, **2017**, 13, 1701112	11	20
15	Tailorable chiroptical activity of metallic nanospiral arrays. *Nanoscale*, **2016**, 8, 4504-10	7.7	47
14	Radiative loss-determined circular dichroism of plasmonic nanospirals with bendable stability of chiroptical activity. *RSC Advances*, **2016**, 6, 84348-84353	3.7	11
13	Weakening Circular Dichroism of Plasmonic Nanospirals Induced by Surface Grafting with Alkyl Ligands. *Small*, **2016**, 12, 6698-6702	11	16
12	One-step electrospinning of carbon nanowebs on metallic textiles for high-capacitance supercapacitor fabrics. *Journal of Materials Chemistry A*, **2016**, 4, 6802-6808	13	66
11	Two chiroptical modes of silver nanospirals. *Nanotechnology*, **2016**, 27, 115703	3.4	19
10	Plasmonic Nanospirals: Weakening Circular Dichroism of Plasmonic Nanospirals Induced by Surface Grafting with Alkyl Ligands (Small 48/2016). *Small*, **2016**, 12, 6697-6697	11	
9	Chiroptically Active Plasmonic Nanoparticles Having Hidden Helicity and Reversible Aqueous Solvent Effect on Chiroptical Activity. *Small*, **2016**, 12, 5902-5909	11	29
8	Laser-induced greenish-blue photoluminescence of mesoporous silicon nanowires. *Scientific Reports*, **2014**, 4, 4940	4.9	16

7	Wafer-scale, three-dimensional helical porous thin films deposited at a glancing angle. *Nanoscale*, **2014**, 6, 9401-9	7.7	34
6	Porosification-Induced Back-Bond Weakening in Chemical Etching of n-Si(111). *Journal of Physical Chemistry C*, **2013**, 117, 2203-2209	3.8	6
5	Ballistic glancing angle deposition of inclined Ag nanorods limited by adatom diffusion. *Nanotechnology*, **2013**, 24, 465707	3.4	13
4	Porosification-reduced optical trapping of silicon nanostructures. *Nanoscale*, **2012**, 4, 5835-9	7.7	18
3	Enhancement in broadband and quasi-omnidirectional antireflection of nanopillar arrays by ion milling. *Nanotechnology*, **2012**, 23, 275703	3.4	12
2	Morphology Control of Nanotube Arrays. *Advanced Materials*, **2009**, 21, 2983-2987	24	44
1	Direct observation of dynamic surface reconstruction and active phases on honeycomb Ni3NCo3N/CC for oxygen evolution reaction. *Science China Materials*,1	7.1	1