

# Zhi-Feng Huang

## List of Publications by Citations

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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	Parkinson 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). <i>Advanced Science</i> , <b>2019</b> , 6, 1970144	13.6	78
41	One-step electrospinning of carbon nanowebbs on metallic textiles for high-capacitance supercapacitor fabrics. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6802-6808	13	66
40	Tailorable chiroptical activity of metallic nanospiral arrays. <i>Nanoscale</i> , <b>2016</b> , 8, 4504-10	7.7	47
39	Morphology Control of Nanotube Arrays. <i>Advanced Materials</i> , <b>2009</b> , 21, 2983-2987	24	44
38	Enantioselective photoinduced cyclodimerization of a prochiral anthracene derivative adsorbed on helical metal nanostructures. <i>Nature Chemistry</i> , <b>2020</b> , 12, 551-559	17.6	41
37	Wafer-scale, three-dimensional helical porous thin films deposited at a glancing angle. <i>Nanoscale</i> , <b>2014</b> , 6, 9401-9	7.7	34
36	Fabrication of Nickel Oxide Nanopillar Arrays on Flexible Electrodes for Highly Efficient Perovskite Solar Cells. <i>Nano Letters</i> , <b>2019</b> , 19, 3676-3683	11.5	33
35	Chiroptically Active Plasmonic Nanoparticles Having Hidden Helicity and Reversible Aqueous Solvent Effect on Chiroptical Activity. <i>Small</i> , <b>2016</b> , 12, 5902-5909	11	29
34	Plasmonic-Enhanced Cholesteric Films: Coassembling Anisotropic Gold Nanorods with Cellulose Nanocrystals. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801816	8.1	26
33	Chiroptically Active Metallic Nanohelices with Helical Anisotropy. <i>Small</i> , <b>2017</b> , 13, 1701883	11	22
32	Ultraviolet-Visible Chiroptical Activity of Aluminum Nanostructures. <i>Small</i> , <b>2017</b> , 13, 1701112	11	20
31	Two chiroptical modes of silver nanospirals. <i>Nanotechnology</i> , <b>2016</b> , 27, 115703	3.4	19
30	Porosification-reduced optical trapping of silicon nanostructures. <i>Nanoscale</i> , <b>2012</b> , 4, 5835-9	7.7	18
29	Chiral Nanoparticle-Induced Enantioselective Amplification of Molecular Optical Activity. <i>Advanced Functional Materials</i> , <b>2018</b> , 29, 1807307	15.6	17
28	Laser-induced greenish-blue photoluminescence of mesoporous silicon nanowires. <i>Scientific Reports</i> , <b>2014</b> , 4, 4940	4.9	16
27	Weakening Circular Dichroism of Plasmonic Nanospirals Induced by Surface Grafting with Alkyl Ligands. <i>Small</i> , <b>2016</b> , 12, 6698-6702	11	16
26	Recent Advances in Inorganic Chiral Nanomaterials. <i>Advanced Materials</i> , <b>2021</b> , e2005506	24	15

25	Chirality Transfer in Galvanic Replacement Reactions. <i>Nano Letters</i> , <b>2019</b> , 19, 7427-7433	11.5	14
24	Disclosure of charge storage mechanisms in molybdenum oxide nanobelts with enhanced supercapacitive performance induced by oxygen deficiency. <i>Rare Metals</i> , <b>2021</b> , 40, 2447-2454	5.5	14
23	Ballistic glancing angle deposition of inclined Ag nanorods limited by adatom diffusion. <i>Nanotechnology</i> , <b>2013</b> , 24, 465707	3.4	13
22	Helical nanoparticle-induced enantiospecific adsorption of N3 dyes. <i>Chemical Communications</i> , <b>2018</b> , 54, 4270-4273	5.8	12
21	Enhancement in broadband and quasi-omnidirectional antireflection of nanopillar arrays by ion milling. <i>Nanotechnology</i> , <b>2012</b> , 23, 275703	3.4	12
20	Radiative loss-determined circular dichroism of plasmonic nanospirals with bendable stability of chiroptical activity. <i>RSC Advances</i> , <b>2016</b> , 6, 84348-84353	3.7	11
19	Chiral Ligand-Free, Optically Active Nanoparticles Inherently Composed of Chiral Lattices at the Atomic Scale. <i>Small</i> , <b>2020</b> , 16, e2001473	11	10
18	Extension of Compositional Space to the Ternary in Alloy Chiral Nanoparticles through Galvanic Replacement Reactions. <i>Advanced Science</i> , <b>2020</b> , 7, 2001321	13.6	8
17	Binary Chiral Nanoparticles Exhibit Amplified Optical Activity and Enhanced Refractive Index Sensitivity. <i>Small</i> , <b>2020</b> , 16, e1906048	11	6
16	Porosification-Induced Back-Bond Weakening in Chemical Etching of n-Si(111). <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 2203-2209	3.8	6
15	Low-Temperature-Deposited TiO <sub>2</sub> Nanopillars for Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2001512	4.6	6
14	Chiral Nanoparticles: Chiral Ligand-Free, Optically Active Nanoparticles Inherently Composed of Chiral Lattices at the Atomic Scale (Small 24/2020). <i>Small</i> , <b>2020</b> , 16, 2070134	11	5
13	Titanium Nanopillar Arrays Functioning as Electron Transporting Layers for Efficient, Anti-Aging Perovskite Solar Cells. <i>Small</i> , <b>2021</b> , 17, e2004778	11	5
12	Chiral nanoparticle-induced amplification in optical activity of molecules with chiral centers. <i>Information Materials</i> , <b>2020</b> , 2, 1216-1224	23.1	4
11	Extracellular Nanomatrix-Induced Self-Organization of Neural Stem Cells into Miniature Substantia Nigra-Like Structures with Therapeutic Effects on Parkinsonian Rats. <i>Advanced Science</i> , <b>2019</b> , 6, 1901822	13.6	4
10	Highly Efficient Large-Area Flexible Perovskite Solar Cells Containing Tin Oxide Vertical Nanopillars without Oxygen Vacancies. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 3568-3577	6.1	2
9	Nanostructures: Ultraviolet-Visible Chiroptical Activity of Aluminum Nanostructures (Small 39/2017). <i>Small</i> , <b>2017</b> , 13,	11	1
8	Chiral Nanoparticles: Chiral Nanoparticle-Induced Enantioselective Amplification of Molecular Optical Activity (Adv. Funct. Mater. 8/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970050	15.6	1

7	Flexible Solar Cells: Low-Temperature-Deposited TiO <sub>2</sub> Nanopillars for Efficient and Flexible Perovskite Solar Cells (Adv. Mater. Interfaces 3/2021). <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2170016	4.6	1
6	Sensitive, High-Speed, and Broadband Perovskite Photodetectors with Built-In TiO Metalenses. <i>Small</i> , <b>2021</b> , 17, e2102694	11	1
5	Direct observation of dynamic surface reconstruction and active phases on honeycomb Ni <sub>3</sub> N <sub>2</sub> O <sub>3</sub> N/CC for oxygen evolution reaction. <i>Science China Materials</i> , 1	7.1	1
4	Chiral Nanoparticles with Enhanced Thermal Stability of Chiral Structures through Alloying.. <i>Small</i> , <b>2022</b> , e2107657	11	0
3	Nanohelix-Induced Optical Activity of Liquid Metal Nanoparticles.. <i>Small</i> , <b>2022</b> , e2200620	11	0
2	Plasmonic Nanospirals: Weakening Circular Dichroism of Plasmonic Nanospirals Induced by Surface Grafting with Alkyl Ligands (Small 48/2016). <i>Small</i> , <b>2016</b> , 12, 6697-6697	11	
1	One-Fold Anisotropy of Silver Chiral Nanoparticles Studied by Second-Harmonic Generation. <i>ACS Sensors</i> , <b>2021</b> , 6, 454-460	9.2	