Chunfeng Wang

List of Publications by Year
in descending order

56 papers	5,221 citations	134610 34 h-index	156644 58 g-index
61 all docs	61 docs citations	61 times ranked	7356 citing authors

#	Article	IF	Citations
1	Biologically Inspired Stretchable, Multifunctional, and 3D Electronic Skin by Strain Visualization and Triboelectric Pressure Sensing. Small Science, 2022, 2, 2100083.	5.8	34
2	The Relationship Between Collagen Proportionate Area and Hepatitis B Surface Antigen Levels in E Antigen Positive Hepatitis B Cirrhosis. , 2022, 33, 62-67.		0
3	Bimodal Tactile Sensor without Signal Fusion for User-Interactive Applications. ACS Nano, 2022, 16, 2789-2797.	7.3	54
4	Molten Salt Shielded Synthesis of Monodisperse Layered CaZnOSâ€Based Semiconductors for Piezophotonic and Xâ€Ray Detection Applications. Small, 2022, 18, e2107437.	5.2	20
5	Interface synergistic effects induced multi-mode luminescence. Nano Research, 2022, 15, 4457-4465.	5.8	21
6	Bidirectional Photoresponse in Perovskiteâ€ZnO Heterostructure for Fully Opticalâ€Controlled Artificial Synapse. Advanced Optical Materials, 2022, 10, .	3.6	30
7	Broadband multimodal emission in Sb-doped CaZnOS-layered semiconductors. Science China Materials, 2022, 65, 1329-1336.	3.5	8
8	Reproducible mechanical-to-optical energy conversion in Mn (II) doped sphalerite ZnS. Journal of Luminescence, 2021, 232, 117838.	1.5	15
9	Mechanoluminescent materials for athletic analytics in sports science. Science Bulletin, 2021, 66, 206-209.	4.3	27
10	Lightweight, Superelastic, and Hydrophobic Polyimide Nanofiber /MXene Composite Aerogel for Wearable Piezoresistive Sensor and Oil/Water Separation Applications. Advanced Functional Materials, 2021, 31, 2008006.	7.8	340
11	Single-mode lasing of CsPbBr₃ perovskite NWs enabled by the Vernier effect. Nanoscale, 2021, 13, 4432-4438.	2.8	25
12	Wavelength tunable single-mode lasing from cesium lead halide perovskite microwires. Applied Physics Letters, 2021, 118, .	1.5	11
13	Environment Tolerant Conductive Nanocomposite Organohydrogels as Flexible Strain Sensors and Power Sources for Sustainable Electronics. Advanced Functional Materials, 2021, 31, 2101696.	7.8	179
14	Wafer-scale growth of two-dimensional graphitic carbon nitride films. Matter, 2021, 4, 1625-1638.	5.0	52
15	Asymmetric Superhydrophobic Textiles for Electromagnetic Interference Shielding, Photothermal Conversion, and Solar Water Evaporation. ACS Applied Materials & Interfaces, 2021, 13, 28996-29007.	4.0	65
16	Flexible and Biocompatible Physical Unclonable Function Antiâ€Counterfeiting Label. Advanced Functional Materials, 2021, 31, 2102108.	7.8	52
17	Spherical Triboelectric Nanogenerator with Dense Point Contacts for Harvesting Multidirectional Water Wave and Vibration Energy. ACS Energy Letters, 2021, 6, 2809-2816.	8.8	48
18	lncRNA SNHG22 sponges miRâ€'128â€'3p to promote the progression of colorectal cancer by upregulating E2F3. International Journal of Oncology, 2021, 59, .	1.4	14

#	Article	IF	Citations
19	Hsa_circ_0026628 promotes the development of colorectal cancer by targeting SP1 to activate the Wnt/Î²-catenin pathway. Cell Death and Disease, 2021, 12, 802.	2.7	21
20	Multifunctional and superhydrophobic cellulose composite paper for electromagnetic shielding, hydraulic triboelectric nanogenerator and Joule heating applications. Chemical Engineering Journal, 2021, 420, 129864.	6.6	79
21	Mechanoluminescent hybrids from a natural resource for energyâ€related applications. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 1272-1284.	8.5	53
22	A multimodal ion electronic skin for decoupling temperature and strain. Science Bulletin, 2021, 66, 2437-2437.	4.3	2
23	Flexible Ag Microparticle/MXene-Based Film for Energy Harvesting. Nano-Micro Letters, 2021, 13, 201.	14.4	57
24	Ultra-stretchable and multifunctional wearable electronics for superior electromagnetic interference shielding, electrical therapy and biomotion monitoring. Journal of Materials Chemistry A, 2021, 9, 7238-7247.	5.2	65
25	Combined Effects of Resveratrol and Vitamin E From Peanut Seeds and Sprouts on Colorectal Cancer Cells. Frontiers in Pharmacology, 2021, 12, 760919.	1.6	5
26	Strain engineering and epitaxial stabilization of halide perovskites. Nature, 2020, 577, 209-215.	13.7	417
27	A fabrication process for flexible single-crystal perovskite devices. Nature, 2020, 583, 790-795.	13.7	278
28	Real-time pressure mapping smart insole system based on a controllable vertical pore dielectric layer. Microsystems and Nanoengineering, 2020, 6, 62.	3.4	69
29	Luminescence in Manganese (II)-Doped SrZn2S2O Crystals From Multiple Energy Conversion. Frontiers in Chemistry, 2020, 8, 752.	1.8	15
30	Cytochrome P450-Mediated Bioactivation: Implication for the Liver Injury Induced by Fraxinellone, A Bioactive Constituent from Dictamni Cortex. Chemical Research in Toxicology, 2020, 33, 1960-1968.	1.7	9
31	Ultra-Stretchable, durable and conductive hydrogel with hybrid double network as high performance strain sensor and stretchable triboelectric nanogenerator. Nano Energy, 2020, 76, 105035.	8.2	209
32	FAM225A facilitates colorectal cancer progression by sponging miRâ€613 to regulate NOTCH3. Cancer Medicine, 2020, 9, 4339-4349.	1.3	12
33	Mechanoluminescence materials for advanced artificial skin. Science Bulletin, 2020, 65, 1147-1149.	4.3	62
34	OUP accepted manuscript. Database: the Journal of Biological Databases and Curation, 2020, 2020, .	1.4	1
35	Electronic Skin for Closed-Loop Systems. ACS Nano, 2019, 13, 12287-12293.	7.3	103
36	Tactile Sensors for Advanced Intelligent Systems. Advanced Intelligent Systems, 2019, 1, 1900090.	3.3	80

#	Article	IF	Citations
37	Stretchable conductive nonwoven fabrics with self-cleaning capability for tunable wearable strain sensor. Nano Energy, 2019, 66, 104143.	8.2	249
38	Long Non-Coding RNA HOTAIR Modulates KLF12 to Regulate Gastric Cancer Progression via PI3K/ATK Signaling Pathway by Sponging miR-618 . OncoTargets and Therapy, 2019, Volume 12, 10323-10334.	1.0	22
39	Controlled Homoepitaxial Growth of Hybrid Perovskites. Advanced Materials, 2018, 30, e1705992.	11.1	82
40	Stretchable ultrasonic transducer arrays for three-dimensional imaging on complex surfaces. Science Advances, 2018, 4, eaar3979.	4.7	204
41	Particles and porous tablets based on Fe0/ZSM-5 composites prepared by ball-milling for heavy metals removal: Dissolved Fe2+, pH, and mechanism. Journal of Environmental Sciences, 2018, 72, 33-42.	3.2	2
42	Materials and Structures toward Soft Electronics. Advanced Materials, 2018, 30, e1801368.	11.1	445
43	Monitoring of the central blood pressure waveform via a conformal ultrasonic device. Nature Biomedical Engineering, 2018, 2, 687-695.	11.6	520
44	Antibacterial, antifungal, anticancer activities and structural bioinformatics analysis of six naturally occurring temporins. Peptides, 2018, 106, 9-20.	1.2	46
45	Three-dimensional integrated stretchable electronics. Nature Electronics, 2018, 1, 473-480.	13.1	345
46	The potential role of thyrotropin-releasing hormone in colonic dysmotility induced by water avoidance stress in rats. Neuropeptides, 2018, 70, 47-54.	0.9	3
47	Light-Emission Enhancement in a Flexible and Size-Controllable ZnO Nanowire/Organic Light-Emitting Diode Array by the Piezotronic Effect. ACS Photonics, 2017, 4, 1344-1349.	3.2	65
48	Flexible Light Emission Diode Arrays Made of Transferred Si Microwires-ZnO Nanofilm with Piezo-Phototronic Effect Enhanced Lighting. ACS Nano, 2017, 11, 3883-3889.	7.3	53
49	Detection of non-joint areas tiny strain and anti-interference voice recognition by micro-cracked metal thin film. Nano Energy, 2017, 34, 578-585.	8.2	128
50	CdS nanorods/organic hybrid LED array and the piezo-phototronic effect of the device for pressure mapping. Nanoscale, 2016, 8, 8078-8082.	2.8	78
51	CdS@SiO₂Core-Shell Electroluminescent Nanorod Arrays Based on a Metal-Insulator-Semiconductor Structure. Small, 2016, 12, 5734-5740.	5.2	14
52	Molecular and cellular mechanisms of tight junction dysfunction in the irritable bowel syndrome. Molecular Medicine Reports, 2015, 12, 3257-3264.	1.1	36
53	Enhanced emission intensity of vertical aligned flexible ZnO nanowire/p-polymer hybridized LED array by piezo-phototronic effect. Nano Energy, 2015, 14, 364-371.	8.2	92
54	Flexible and Controllable Piezoâ€Phototronic Pressure Mapping Sensor Matrix by ZnO NW/pâ€Polymer LED Array. Advanced Functional Materials, 2015, 25, 2884-2891.	7.8	200

#	Article	IF	Citations
55	CoS NWs/Au Hybridized Networks as Efficient Counter Electrodes for Flexible Sensitized Solar Cells. Advanced Energy Materials, 2015, 5, 1500141.	10.2	46
56	Development Of A Nucleic Acid Lateral Flow Strip For Detection Of Hepatitis C Virus (Hcv) Core Antigen. Nucleosides, Nucleotides and Nucleic Acids, 2013, 32, 59-68.	0.4	35