

Ting Wang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,967
citations

182225

30
h-index

325983

40
g-index

41
all docs

41
docs citations

41
times ranked

5571
citing authors

#	ARTICLE	IF	CITATIONS
1	Assemblies and composites of gold nanostructures for functional devices. <i>Aggregate</i> , 2022, 3, e57.	5.2	10
2	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-Locked Stretchable Strain Sensor. <i>Advanced Materials</i> , 2022, 34, e2104078.	11.1	39
3	Insights into the efficient charge separation over Nb2O5/2D-C3N4 heterostructure for exceptional visible-light driven H2 evolution. <i>Journal of Energy Chemistry</i> , 2022, 65, 548-555.	7.1	31
4	Strain-Enabled Phase Transition of Periodic Metasurfaces. <i>Advanced Materials</i> , 2022, 34, e2102560.	11.1	7
5	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. <i>Advanced Materials</i> , 2022, 34, e2106212.	11.1	19
6	Artificial Neural Pathway Based on a Memristor Synapse for Optically Mediated Motion Learning. <i>ACS Nano</i> , 2022, 16, 9691-9700.	7.3	47
7	In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. <i>Journal of Energy Chemistry</i> , 2021, 57, 109-117.	7.1	25
8	Artificial Skin Perception. <i>Advanced Materials</i> , 2021, 33, e2003014.	11.1	203
9	Fusing Stretchable Sensing Technology with Machine Learning for Human-Machine Interfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2008807.	7.8	84
10	The effect of hydrogen induced point defects on lithiation kinetics in manganese niobate anode. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160190.	2.8	6
11	Facile synthesis of palladium incorporated NiCo2O4 spinel for low temperature methane combustion: Activate lattice oxygen to promote activity. <i>Journal of Catalysis</i> , 2021, 404, 400-410.	3.1	23
12	Portable Food-Freshness Prediction Platform Based on Colorimetric Barcode Combinatorics and Deep Convolutional Neural Networks. <i>Advanced Materials</i> , 2020, 32, e2004805.	11.1	131
13	The interplay between the suprafacial and intrafacial mechanisms for complete methane oxidation on substituted LaCoO3 perovskite oxides. <i>Journal of Catalysis</i> , 2020, 390, 1-11.	3.1	32
14	A Compliant Ionic Adhesive Electrode with Ultralow Bioelectronic Impedance. <i>Advanced Materials</i> , 2020, 32, e2003723.	11.1	86
15	An On-Skin Electrode with Anti-Epidermal-Surface-Lipid Function Based on a Zwitterionic Polymer Brush. <i>Advanced Materials</i> , 2020, 32, e2001130.	11.1	74
16	Gesture recognition using a bioinspired learning architecture that integrates visual data with somatosensory data from stretchable sensors. <i>Nature Electronics</i> , 2020, 3, 563-570.	13.1	298
17	Adhesive Biocomposite Electrodes on Sweaty Skin for Long-Term Continuous Electrophysiological Monitoring. , 2020, 2, 478-484.		107
18	Bioinspired, Microstructured Silk Fibroin Adhesives for Flexible Skin Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5601-5609.	4.0	83

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19	Cyberâ€“Physiochemical Interfaces. <i>Advanced Materials</i> , 2020, 32, e1905522.	11.1	64
20	Mechanical Tolerance of Cascade Bioreactions via Adaptive Curvature Engineering for Epidermal Bioelectronics. <i>Advanced Materials</i> , 2020, 32, e2000991.	11.1	17
21	Waterâ€“Resistant Conformal Hybrid Electrodes for Aquatic Endurable Electrocardiographic Monitoring. <i>Advanced Materials</i> , 2020, 32, e2001496.	11.1	146
22	Highly Stable and Stretchable Conductive Films through Thermalâ€“Radiationâ€“Assisted Metal Encapsulation. <i>Advanced Materials</i> , 2019, 31, e1901360.	11.1	96
23	Controllable synthesis of uniform mesoporous H-Nb ₂ O ₅ /rGO nanocomposites for advanced lithium ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 693-703.	5.2	86
24	Porous Nb ₄ N ₅ /rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24114-24121.	4.0	31
25	Origin of electronic structure dependent activity of spinel ZnNi _x Co _{2-x} O ₄ oxides for complete methane oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117844.	10.8	35
26	Nanomaterials Discovery and Design through Machine Learning. <i>Small Methods</i> , 2019, 3, 1900025.	4.6	67
27	Pseudocapacitive performance of binder-free nanostructured TT-Nb ₂ O ₅ /FTO electrode in aqueous electrolyte. <i>Nanotechnology</i> , 2019, 30, 025401.	1.3	7
28	Editable TiO ₂ Nanomaterial-Modified Paper in Situ for Highly Efficient Detection of Carcinoembryonic Antigen by Photoelectrochemical Method. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14594-14601.	4.0	52
29	Mechanism for removing 2,4-dichlorophenol via adsorption and Fenton-like oxidation using iron-based nanoparticles. <i>Chemosphere</i> , 2018, 206, 168-174.	4.2	51
30	Metalâ€“Oxygen Hybridization Determined Activity in Spinel-Based Oxygen Evolution Catalysts: A Case Study of ZnFe ₂ Cr _x O ₄ . <i>Chemistry of Materials</i> , 2018, 30, 6839-6848.	3.2	65
31	Identifying Influential Parameters of Octahedrally Coordinated Cations in Spinel ZnMn _x Co ₂ O ₄ Oxides for the Oxidation Reaction. <i>ACS Catalysis</i> , 2018, 8, 8568-8577.	5.5	68
32	3D Printed Photoresponsive Devices Based on Shape Memory Composites. <i>Advanced Materials</i> , 2017, 29, 1701627.	11.1	370
33	Hierarchical grapheneâ€“polyaniline nanocomposite films for high-performance flexible electronic gas sensors. <i>Nanoscale</i> , 2016, 8, 12073-12080.	2.8	132
34	Soft Thermal Sensor with Mechanical Adaptability. <i>Advanced Materials</i> , 2016, 28, 9175-9181.	11.1	201
35	Removal of phosphate using iron oxide nanoparticles synthesized by eucalyptus leaf extract in the presence of CTAB surfactant. <i>Chemosphere</i> , 2016, 159, 23-31.	4.2	125
36	Simultaneous removal of co-contaminants: acid brilliant violet and Cu ²⁺ by functional bimetallic Fe/Pd nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	1

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37	Green synthesis of Fe nanoparticles using eucalyptus leaf extracts for treatment of eutrophic wastewater. <i>Science of the Total Environment</i> , 2014, 466-467, 210-213.	3.9	375
38	Facile synthesis of hematite nanoparticles and nanocubes and their shape-dependent optical properties. <i>New Journal of Chemistry</i> , 2014, 38, 46-49.	1.4	45
39	Green synthesized iron nanoparticles by green tea and eucalyptus leaves extracts used for removal of nitrate in aqueous solution. <i>Journal of Cleaner Production</i> , 2014, 83, 413-419.	4.6	389
40	Multifunctional kaolinite-supported nanoscale zero-valent iron used for the adsorption and degradation of crystal violet in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2013, 398, 59-66.	5.0	162
41	Functional clay supported bimetallic nZVI/Pd nanoparticles used for removal of methyl orange from aqueous solution. <i>Journal of Hazardous Materials</i> , 2013, 262, 819-825.	6.5	77