

Ting Wang

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,967
citations

159585

30
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

4856
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	9.3	389
2	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.	8.0	375
3	3D Printed Photoresponsive Devices Based on Shape Memory Composites. <i>Advanced Materials</i> , 2017, 29, 1701627.	21.0	370
4	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.	26.0	298
5	Artificial Skin Perception. <i>Advanced Materials</i> , 2021, 33, e2003014.	21.0	203
6	Soft Thermal Sensor with Mechanical Adaptability. <i>Advanced Materials</i> , 2016, 28, 9175-9181.	21.0	201
7	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.	9.4	162
8	Water-Resistant Conformal Hybrid Electrodes for Aquatic Endurable Electrocardiographic Monitoring. <i>Advanced Materials</i> , 2020, 32, e2001496.	21.0	146
9	Hierarchical graphene-polyaniline nanocomposite films for high-performance flexible electronic gas sensors. <i>Nanoscale</i> , 2016, 8, 12073-12080.	5.6	132
10	Portable Food-Freshness Prediction Platform Based on Colorimetric Barcode Combinatorics and Deep Convolutional Neural Networks. <i>Advanced Materials</i> , 2020, 32, e2004805.	21.0	131
11	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.	8.2	125
12	Adhesive Biocomposite Electrodes on Sweaty Skin for Long-Term Continuous Electrophysiological Monitoring. , 2020, 2, 478-484.		107
13	Highly Stable and Stretchable Conductive Films through Thermal-Radiation-Assisted Metal Encapsulation. <i>Advanced Materials</i> , 2019, 31, e1901360.	21.0	96
14	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.	10.3	86
15	A Compliant Ionic Adhesive Electrode with Ultralow Bioelectronic Impedance. <i>Advanced Materials</i> , 2020, 32, e2003723.	21.0	86
16	Fusing Stretchable Sensing Technology with Machine Learning for Human-Machine Interfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2008807.	14.9	84
17	Bioinspired, Microstructured Silk Fibroin Adhesives for Flexible Skin Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5601-5609.	8.0	83
18	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.	12.4	77

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19	An On-Skin Electrode with Anti-Epidermal Surface Lipid Function Based on a Zwitterionic Polymer Brush. <i>Advanced Materials</i> , 2020, 32, e2001130.	21.0	74
20	Identifying Influential Parameters of Octahedrally Coordinated Cations in Spinel $ZnMnCo_2O_4$ Oxides for the Oxidation Reaction. <i>ACS Catalysis</i> , 2018, 8, 8568-8577.	11.2	68
21	Nanomaterials Discovery and Design through Machine Learning. <i>Small Methods</i> , 2019, 3, 1900025.	8.6	67
22	Metal-Oxygen Hybridization Determined Activity in Spinel-Based Oxygen Evolution Catalysts: A Case Study of $ZnFeCrO_4$. <i>Chemistry of Materials</i> , 2018, 30, 6839-6848.	6.7	65
23	Cyber-Physiochemical Interfaces. <i>Advanced Materials</i> , 2020, 32, e1905522.	21.0	64
24	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.	8.0	52
25	Mechanism for removing 2,4-dichlorophenol via adsorption and Fenton-like oxidation using iron-based nanoparticles. <i>Chemosphere</i> , 2018, 206, 168-174.	8.2	51
26	Artificial Neural Pathway Based on a Memristor Synapse for Optically Mediated Motion Learning. <i>ACS Nano</i> , 2022, 16, 9691-9700.	14.6	47
27	Facile synthesis of hematite nanoparticles and nanocubes and their shape-dependent optical properties. <i>New Journal of Chemistry</i> , 2014, 38, 46-49.	2.8	45
28	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-Locked Stretchable Strain Sensor. <i>Advanced Materials</i> , 2022, 34, e2104078.	21.0	39
29	Origin of electronic structure dependent activity of spinel $ZnNi_xCo_{2-x}O_4$ oxides for complete methane oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117844.	20.2	35
30	The interplay between the suprafacial and intrafacial mechanisms for complete methane oxidation on substituted $LaCoO_3$ perovskite oxides. <i>Journal of Catalysis</i> , 2020, 390, 1-11.	6.2	32
31	Porous Nb_4N_5/rGO Nanocomposite for Ultrahigh-Energy-Density Lithium-Ion Hybrid Capacitor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24114-24121.	8.0	31
32	Insights into the efficient charge separation over $Nb_2O_5/2D-C_3N_4$ heterostructure for exceptional visible-light driven H_2 evolution. <i>Journal of Energy Chemistry</i> , 2022, 65, 548-555.	12.9	31
33	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.	12.9	25
34	Facile synthesis of palladium incorporated $NiCo_2O_4$ spinel for low temperature methane combustion: Activate lattice oxygen to promote activity. <i>Journal of Catalysis</i> , 2021, 404, 400-410.	6.2	23
35	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. <i>Advanced Materials</i> , 2022, 34, e2106212.	21.0	19
36	Mechanical Tolerance of Cascade Bioreactions via Adaptive Curvature Engineering for Epidermal Bioelectronics. <i>Advanced Materials</i> , 2020, 32, e2000991.	21.0	17

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37	Assemblies and composites of gold nanostructures for functional devices. <i>Aggregate</i> , 2022, 3, e57.	9.9	10
38	Pseudocapacitive performance of binder-free nanostructured $\text{Ti-Nb}_2\text{O}_5/\text{FTO}$ electrode in aqueous electrolyte. <i>Nanotechnology</i> , 2019, 30, 025401.	2.6	7
39	Strain-Enabled Phase Transition of Periodic Metasurfaces. <i>Advanced Materials</i> , 2022, 34, e2102560.	21.0	7
40	The effect of hydrogen induced point defects on lithiation kinetics in manganese niobate anode. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160190.	5.5	6
41	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.	1.9	1