

Ting Wang

List of Publications by Year in descending order

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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	Assemblies and composites of gold nanostructures for functional devices. Aggregate, 2022, 3, e57.	9.9	10
2	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-locked Stretchable Strain Sensor. Advanced Materials, 2022, 34, e2104078.	21.0	39
3	Insights into the efficient charge separation over Nb2O5/2D-C3N4 heterostructure for exceptional visible-light driven H2 evolution. Journal of Energy Chemistry, 2022, 65, 548-555.	12.9	31
4	Strain-enabled Phase Transition of Periodic Metasurfaces. Advanced Materials, 2022, 34, e2102560.	21.0	7
5	Mechanically Durable Memristor Arrays Based on a Discrete Structure Design. Advanced Materials, 2022, 34, e2106212.	21.0	19
6	Artificial Neural Pathway Based on a Memristor Synapse for Optically Mediated Motion Learning. ACS Nano, 2022, 16, 9691-9700.	14.6	47
7	In situ XRD and electrochemical investigation on a new intercalation-type anode for high-rate lithium ion capacitor. Journal of Energy Chemistry, 2021, 57, 109-117.	12.9	25
8	Artificial Skin Perception. Advanced Materials, 2021, 33, e2003014.	21.0	203
9	Fusing Stretchable Sensing Technology with Machine Learning for Human-machine Interfaces. Advanced Functional Materials, 2021, 31, 2008807.	14.9	84
10	The effect of hydrogen induced point defects on lithiation kinetics in manganese niobate anode. Journal of Alloys and Compounds, 2021, 877, 160190.	5.5	6
11	Facile synthesis of palladium incorporated NiCo2O4 spinel for low temperature methane combustion: Activate lattice oxygen to promote activity. Journal of Catalysis, 2021, 404, 400-410.	6.2	23
12	Portable Food-freshness Prediction Platform Based on Colorimetric Barcode Combinatorics and Deep Convolutional Neural Networks. Advanced Materials, 2020, 32, e2004805.	21.0	131
13	The interplay between the suprafacial and intrafacial mechanisms for complete methane oxidation on substituted LaCoO3 perovskite oxides. Journal of Catalysis, 2020, 390, 1-11.	6.2	32
14	A Compliant Ionic Adhesive Electrode with Ultralow Bioelectronic Impedance. Advanced Materials, 2020, 32, e2003723.	21.0	86
15	An On-skin Electrode with Anti-epidermal-surface-lipid Function Based on a Zwitterionic Polymer Brush. Advanced Materials, 2020, 32, e2001130.	21.0	74
16	Gesture recognition using a bioinspired learning architecture that integrates visual data with somatosensory data from stretchable sensors. Nature Electronics, 2020, 3, 563-570.	26.0	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. ACS Applied Materials & Interfaces, 2020, 12, 5601-5609.	8.0	83

#	ARTICLE	IF	CITATIONS
19	Cyberâ€“Physiochemical Interfaces. <i>Advanced Materials</i> , 2020, 32, e1905522.	21.0	64
20	Mechanical Tolerance of Cascade Bioreactions via Adaptive Curvature Engineering for Epidermal Bioelectronics. <i>Advanced Materials</i> , 2020, 32, e2000991.	21.0	17
21	Waterâ€“Resistant Conformal Hybrid Electrodes for Aquatic Endurable Electrocardiographic Monitoring. <i>Advanced Materials</i> , 2020, 32, e2001496.	21.0	146
22	Highly Stable and Stretchable Conductive Films through Thermalâ€“Radiationâ€“Assisted Metal Encapsulation. <i>Advanced Materials</i> , 2019, 31, e1901360.	21.0	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.	10.3	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.	8.0	31
25	Origin of electronic structure dependent activity of spinel ZnNixCo2-xO4 oxides for complete methane oxidation. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117844.	20.2	35
26	Nanomaterials Discovery and Design through Machine Learning. <i>Small Methods</i> , 2019, 3, 1900025.	8.6	67
27	Pseudocapacitive performance of binder-free nanostructured TT-Nb ₂ O ₅ /FTO electrode in aqueous electrolyte. <i>Nanotechnology</i> , 2019, 30, 025401.	2.6	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.	8.0	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.	8.2	51
30	Metalâ€“Oxygen Hybridization Determined Activity in Spinel-Based Oxygen Evolution Catalysts: A Case Study of ZnFe ₂ Cr ₂ O ₄ . <i>Chemistry of Materials</i> , 2018, 30, 6839-6848.	6.7	65
31	Identifying Influential Parameters of Octahedrally Coordinated Cations in Spinel ZnMn ₂ Co ₂ O ₄ Oxides for the Oxidation Reaction. <i>ACS Catalysis</i> , 2018, 8, 8568-8577.	11.2	68
32	3D Printed Photoresponsive Devices Based on Shape Memory Composites. <i>Advanced Materials</i> , 2017, 29, 1701627.	21.0	370
33	Hierarchical grapheneâ€“polyaniline nanocomposite films for high-performance flexible electronic gas sensors. <i>Nanoscale</i> , 2016, 8, 12073-12080.	5.6	132
34	Soft Thermal Sensor with Mechanical Adaptability. <i>Advanced Materials</i> , 2016, 28, 9175-9181.	21.0	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.	8.2	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.	1.9	1

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37	Green synthesis of Fe nanoparticles using eucalyptus leaf extracts for treatment of eutrophic wastewater. Science of the Total Environment, 2014, 466-467, 210-213.	8.0	375
38	Facile synthesis of hematite nanoparticles and nanocubes and their shape-dependent optical properties. New Journal of Chemistry, 2014, 38, 46-49.	2.8	45
39	Green synthesized iron nanoparticles by green tea and eucalyptus leaves extracts used for removal of nitrate in aqueous solution. Journal of Cleaner Production, 2014, 83, 413-419.	9.3	389
40	Multifunctional kaolinite-supported nanoscale zero-valent iron used for the adsorption and degradation of crystal violet in aqueous solution. Journal of Colloid and Interface Science, 2013, 398, 59-66.	9.4	162
41	Functional clay supported bimetallic nZVI/Pd nanoparticles used for removal of methyl orange from aqueous solution. Journal of Hazardous Materials, 2013, 262, 819-825.	12.4	77