

Tong Wei

List of Publications by Year in descending order

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61
papers

10,687
citations

94269

37
h-index

128067

60
g-index

62
all docs

62
docs citations

62
times ranked

12600
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of layered-stacking graphene assemblies as advanced electrodes for supercapacitors. <i>Particology</i> , 2022, 60, 1-13.	2.0	9
2	3D interconnected porous carbon derived from spontaneous merging of the nano-sized ZIF-8 polyhedrons for high-mass-loading supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2027-2034.	5.2	23
3	Ni, Co Hydroxide Modified by Partial Substitution of OH ⁻ with Cl ⁻ for Boosting Ultra-Fast Redox Kinetics up to 500 A m ⁻² in Supercapacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	18
4	Template-directed synthesis of pomegranate-shaped zinc oxide@zeolitic imidazolate framework for visible light photocatalytic degradation of tetracycline. <i>Chemosphere</i> , 2022, 294, 133782.	4.2	15
5	Activation of peroxymonosulfate by γ -MnO ₂ for Orange α -... removal in water. <i>Environmental Research</i> , 2022, 210, 112919.	3.7	19
6	A Mott-Schottky Heterogeneous Layer for Li-S Batteries: Enabling Both High Stability and Commercial Sulfur Utilization. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	74
7	Electrostatic self-assembled layered polymers form supramolecular heterojunction catalyst for photocatalytic reduction of high-stability nitrate in water. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 828-839.	5.0	7
8	Transparent and flexible structurally colored biological nanofiber films for visual gas detection. <i>Matter</i> , 2022, 5, 2813-2828.	5.0	11
9	Approaching the Theoretical Sodium Storage Capacity and Ultrahigh Rate of Layer-Expanded MoS ₂ by Interfacial Engineering on N-Doped Graphene. <i>Advanced Energy Materials</i> , 2021, 11, 2002600.	10.2	65
10	Application of Tea Polyphenols and Their Effects on Ultrafiltration Effluent Disinfection and Microbial Risk. <i>Water (Switzerland)</i> , 2021, 13, 2559.	1.2	2
11	Strong oxidation induced quinone-rich dopamine polymerization onto porous carbons as ultrahigh-capacity organic cathode for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021, 43, 120-129.	9.5	26
12	Porous γ -Mo ₂ C nanoparticle clusters supported on walnut shell powders derived carbon matrix for hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 104-111.	5.0	28
13	High-efficiency utilization of carbon materials for supercapacitors. <i>Nano Select</i> , 2020, 1, 244-262.	1.9	27
14	Tin Nanodots Derived From Sn ²⁺ /Graphene Quantum Dot Complex as Pillars into Graphene Blocks for Ultrafast and Ultrastable Sodium-Ion Storage. <i>Small</i> , 2020, 16, 2003557.	5.2	22
15	Toward the Design of High-performance Supercapacitors by Prussian Blue, its Analogues and their Derivatives. <i>Energy and Environmental Materials</i> , 2020, 3, 323-345.	7.3	29
16	Sandwiching Sulfur into the Dents Between N, O Co-Doped Graphene Layered Blocks with Strong Physicochemical Confinements for Stable and High-Rate Li-S Batteries. <i>Nano-Micro Letters</i> , 2020, 12, 146.	14.4	23
17	Wood-Derived Carbon with Selectively Introduced C=O Groups toward Stable and High Capacity Anodes for Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27499-27507.	4.0	75
18	Advanced Li-Ion Batteries with High Rate, Stability, and Mass Loading Based on Graphene Ribbon Hybrid Networks. <i>Chemistry - A European Journal</i> , 2019, 25, 5022-5027.	1.7	8

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19	A highly efficient and durable water splitting system: platinum sub-nanocluster functionalized nickel-iron layered double hydroxide as the cathode and hierarchical nickel-iron selenide as the anode. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2831-2837.	5.2	65
20	Nickel hexacyanoferrate on graphene sheets for high-performance asymmetric supercapacitors in neutral aqueous electrolyte. <i>Electrochimica Acta</i> , 2019, 303, 40-48.	2.6	43
21	Molecular Diffusion-Driven Motion in 2D Graphene Film. <i>Advanced Functional Materials</i> , 2018, 28, 1707053.	7.8	9
22	Nanocellulose: a promising nanomaterial for advanced electrochemical energy storage. <i>Chemical Society Reviews</i> , 2018, 47, 2837-2872.	18.7	586
23	Fe(CN) ₆ ³⁻ ion-modified MnO ₂ /graphene nanoribbons enabling high energy density asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7649-7658.	5.2	60
24	Electrostatic interaction in electrospun nanofibers: Double-layer carbon protection of CoFe ₂ O ₄ nanosheets enabling ultralong-life and ultrahigh-rate lithium ion storage. <i>Nano Energy</i> , 2018, 48, 238-247.	8.2	105
25	Space-confinement of MnO nanosheets in densely stacked graphene: Ultra-high volumetric capacity and rate performance for lithium-ion batteries. <i>Energy Storage Materials</i> , 2018, 12, 94-102.	9.5	74
26	Oxygen Clusters Distributed in Graphene with Paddy Land-Structure: Ultrahigh Capacitance and Rate Performance for Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1705258.	7.8	94
27	Fe(CN) ₆ ³⁻ ions confined into porous pillared-carbon nanosheets for high energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23885-23893.	5.2	14
28	Mesoporous single-crystalline MnO _x nanofibers@graphene for ultra-high rate and long-life lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24756-24766.	5.2	24
29	Wrinkled Ultrathin Graphitic C ₃ N ₄ Nanosheets for Photocatalytic Degradation of Organic Wastewater. <i>ACS Applied Nano Materials</i> , 2018, 1, 6733-6741.	2.4	71
30	Edge-Nitrogen-Rich Carbon Dots Pillared Graphene Blocks with Ultrahigh Volumetric/Gravimetric Capacities and Ultralong Life for Sodium-Ion Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1802042.	10.2	107
31	Multilayer-Folded Graphene Ribbon Film with Ultrahigh Areal Capacitance and High Rate Performance for Compressible Supercapacitors. <i>Advanced Functional Materials</i> , 2018, 28, 1800597.	7.8	149
32	Nitrogen-doped carbon-coated MnO nanoparticles anchored on interconnected graphene ribbons for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2018, 397, 325-333.	4.0	48
33	Self-Supported FeNi-P Nanosheets with Thin Amorphous Layers for Efficient Electrocatalytic Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9640-9648.	3.2	71
34	Vertically Oriented Graphene Nanoribbon Fibers for High-Volumetric Energy Density All-Solid-State Asymmetric Supercapacitors. <i>Small</i> , 2017, 13, 1700371.	5.2	71
35	Ultra-small and highly crystallized ZnFe ₂ O ₄ nanoparticles within double graphene networks for super-long life lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11188-11196.	5.2	55
36	Ultra-high toughness all graphene fibers derived from synergetic effect of interconnected graphene ribbons and graphene sheets. <i>Carbon</i> , 2017, 120, 17-22.	5.4	47

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37	Spatial Charge Storage within Honeycombâ€Carbon Frameworks for Ultrafast Supercapacitors with High Energy and Power Densities. <i>Advanced Energy Materials</i> , 2017, 7, 1700668.	10.2	96
38	Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23085-23093.	5.2	158
39	Multifunctional Bionanocomposite Foams with a Chitosan Matrix Reinforced by Nanofibrillated Cellulose. <i>ChemNanoMat</i> , 2017, 3, 98-108.	1.5	37
40	High Volumetric Energy Density Asymmetric Supercapacitors Based on Wellâ€Balanced Graphene and Grapheneâ€MnO ₂ Electrodes with Densely Stacked Architectures. <i>Small</i> , 2016, 12, 5217-5227.	5.2	112
41	Construction of nitrogen-doped porous carbon buildings using interconnected ultra-small carbon nanosheets for ultra-high rate supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11388-11396.	5.2	151
42	Bubbleâ€Decorated Honeycombâ€Like Graphene Film as Ultrahigh Sensitivity Pressure Sensors. <i>Advanced Functional Materials</i> , 2015, 25, 6545-6551.	7.8	189
43	Photocatalyst Interface Engineering: Spatially Confined Growth of ZnFe ₂ O ₄ within Graphene Networks as Excellent Visibleâ€Lightâ€Driven Photocatalysts. <i>Advanced Functional Materials</i> , 2015, 25, 7080-7087.	7.8	134
44	Energy Storage: Dual Support System Ensuring Porous Coâ€Al Hydroxide Nanosheets with Ultrahigh Rate Performance and High Energy Density for Supercapacitors (<i>Adv. Funct. Mater.</i> 11/2015). <i>Advanced Functional Materials</i> , 2015, 25, 1763-1763.	7.8	0
45	Dual Support System Ensuring Porous Coâ€Al Hydroxide Nanosheets with Ultrahigh Rate Performance and High Energy Density for Supercapacitors. <i>Advanced Functional Materials</i> , 2015, 25, 1648-1655.	7.8	248
46	Functional Pillared Graphene Frameworks for Ultrahigh Volumetric Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2015, 5, 1500771.	10.2	184
47	Nickel sulfide/graphene/carbon nanotube composites as electrode material for the supercapacitor application in the sea flashing signal system. <i>Journal of Marine Science and Application</i> , 2014, 13, 462-466.	0.7	24
48	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. <i>Advanced Energy Materials</i> , 2014, 4, 1300816.	10.2	1,727
49	Interconnected Frameworks with a Sandwiched Porous Carbon Layer/Graphene Hybrids for Supercapacitors with High Gravimetric and Volumetric Performances. <i>Advanced Energy Materials</i> , 2014, 4, 1400500.	10.2	234
50	Template-Assisted Low Temperature Synthesis of Functionalized Graphene for Ultrahigh Volumetric Performance Supercapacitors. <i>ACS Nano</i> , 2014, 8, 4720-4729.	7.3	413
51	Supercapacitors: Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities (<i>Adv. Energy Mater.</i> 4/2014). <i>Advanced Energy Materials</i> , 2014, 4, .	10.2	28
52	Nitrogenâ€Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. <i>Advanced Functional Materials</i> , 2014, 24, 3953-3961.	7.8	336
53	High-performance asymmetric supercapacitors with lithium intercalation reaction using metal oxide-based composites as electrode materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16678-16686.	5.2	106
54	Facile and rapid synthesis of highly crumpled graphene sheets as high-performance electrodes for supercapacitors. <i>RSC Advances</i> , 2013, 3, 2566.	1.7	50

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55	Fabrication and electrochemical performances of hierarchical porous Ni(OH) ₂ nanoflakes anchored on graphene sheets. <i>Journal of Materials Chemistry</i> , 2012, 22, 11494.	6.7	261
56	Advanced Asymmetric Supercapacitors Based on Ni(OH) ₂ /Graphene and Porous Graphene Electrodes with High Energy Density. <i>Advanced Functional Materials</i> , 2012, 22, 2632-2641.	7.8	1,855
57	Template-Directed Synthesis of Pillared Porous Carbon Nanosheet Architectures: High-Performance Electrode Materials for Supercapacitors. <i>Advanced Energy Materials</i> , 2012, 2, 419-424.	10.2	267
58	Asymmetric Supercapacitors Based on Graphene/MnO ₂ and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. <i>Advanced Functional Materials</i> , 2011, 21, 2366-2375.	7.8	1,827
59	Effect of chemical modification of graphite nanoplatelets on electrochemical performance of MnO ₂ electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 619-624.	1.1	8
60	Temperature dependence of the conductivity behavior of graphite nanoplatelet-filled epoxy resin composites. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1515-1519.	1.3	25
61	Effect of carbon black on electrical property of graphite nanoplatelets/epoxy resin composites. <i>Polymer Engineering and Science</i> , 2009, 49, 2041-2045.	1.5	43