# Tong Wei

List of Publications by Year
in descending order

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| 61 | 10,687 | 94269 37 | 128067 60 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 62 | 62 | 62 | 12600 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Advanced Asymmetric Supercapacitors Based on Ni(OH)<sub>2</sub>/Graphene and Porous Graphene Electrodes with High Energy Density. Advanced Functional Materials, 2012, 22, 2632-2641. | 7.8 | 1,855 |
| 2 | Asymmetric Supercapacitors Based on Graphene/MnO<sub>2</sub> and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. Advanced Functional Materials, 2011, 21, 2366-2375. | 7.8 | 1,827 |
| 3 | Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. Advanced Energy Materials, 2014, 4, 1300816. | 10.2 | 1,727 |
| 4 | Nanocellulose: a promising nanomaterial for advanced electrochemical energy storage. Chemical Society Reviews, 2018, 47, 2837-2872. | 18.7 | 586 |
| 5 | Template-Assisted Low Temperature Synthesis of Functionalized Graphene for Ultrahigh Volumetric Performance Supercapacitors. ACS Nano, 2014, 8, 4720-4729. | 7.3 | 413 |
| 6 | Nitrogenâ€Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. Advanced Functional Materials, 2014, 24, 3953-3961. | 7.8 | 336 |
| 7 | Templateâ€Directed Synthesis of Pillaredâ€Porous Carbon Nanosheet Architectures: Highâ€Performance Electrode Materials for Supercapacitors. Advanced Energy Materials, 2012, 2, 419-424. | 10.2 | 267 |
| 8 | Fabrication and electrochemical performances of hierarchical porous Ni(OH)2 nanoflakes anchored on graphene sheets. Journal of Materials Chemistry, 2012, 22, 11494. | 6.7 | 261 |
| 9 | Dual Support System Ensuring Porous Coâ€“Al Hydroxide Nanosheets with Ultrahigh Rate Performance and High Energy Density for Supercapacitors. Advanced Functional Materials, 2015, 25, 1648-1655. | 7.8 | 248 |
| 10 | Interconnected Frameworks with a Sandwiched Porous Carbon Layer/Graphene Hybrids for Supercapacitors with High Gravimetric and Volumetric Performances. Advanced Energy Materials, 2014, 4, 1400500. | 10.2 | 234 |
| 11 | Bubbleâ€Decorated Honeycombâ€Like Graphene Film as Ultrahigh Sensitivity Pressure Sensors. Advanced Functional Materials, 2015, 25, 6545-6551. | 7.8 | 189 |
| 12 | Functional Pillared Graphene Frameworks for Ultrahigh Volumetric Performance Supercapacitors. Advanced Energy Materials, 2015, 5, 1500771. | 10.2 | 184 |
| 13 | Enabling high-volumetric-energy-density supercapacitors: designing open, low-tortuosity heteroatom-doped porous carbon-tube bundle electrodes. Journal of Materials Chemistry A, 2017, 5, 23085-23093. | 5.2 | 158 |
| 14 | Construction of nitrogen-doped porous carbon buildings using interconnected ultra-small carbon nanosheets for ultra-high rate supercapacitors. Journal of Materials Chemistry A, 2016, 4, 11388-11396. | 5.2 | 151 |
| 15 | Multilayerâ€Folded Graphene Ribbon Film with Ultrahigh Areal Capacitance and High Rate Performance for Compressible Supercapacitors. Advanced Functional Materials, 2018, 28, 1800597. | 7.8 | 149 |
| 16 | Photocatalyst Interface Engineering: Spatially Confined Growth of ZnFe<sub>2</sub>O<sub>4</sub> within Graphene Networks as Excellent Visibleâ€Lightâ€Driven Photocatalysts. Advanced Functional Materials, 2015, 25, 7080-7087. | 7.8 | 134 |
| 17 | High Volumetric Energy Density Asymmetric Supercapacitors Based on Wellâ€Balanced Graphene and Grapheneâ€MnO<sub>2</sub> Electrodes with Densely Stacked Architectures. Small, 2016, 12, 5217-5227. | 5.2 | 112 |
| 18 | Edgeâ€Nitrogenâ€Rich Carbon Dots Pillared Graphene Blocks with Ultrahigh Volumetric/Gravimetric Capacities and Ultralong Life for Sodiumâ€Ion Storage. Advanced Energy Materials, 2018, 8, 1802042. | 10.2 | 107 |

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|---|---|---|---|
| 19 | High-performance asymmetric supercapacitors with lithium intercalation reaction using metal oxide-based composites as electrode materials. Journal of Materials Chemistry A, 2014, 2, 16678-16686. | 5.2 | 106 |
| 20 | Electrostatic interaction in electrospun nanofibers: Double-layer carbon protection of CoFe2O4 nanosheets enabling ultralong-life and ultrahigh-rate lithium ion storage. Nano Energy, 2018, 48, 238-247. | 8.2 | 105 |
| 21 | Spatial Charge Storage within Honeycombâ€Carbon Frameworks for Ultrafast Supercapacitors with High Energy and Power Densities. Advanced Energy Materials, 2017, 7, 1700668. | 10.2 | 96 |
| 22 | Oxygen Clusters Distributed in Graphene with â€œPaddy Landâ€•Structure: Ultrahigh Capacitance and Rate Performance for Supercapacitors. Advanced Functional Materials, 2018, 28, 1705258. | 7.8 | 94 |
| 23 | Wood-Derived Carbon with Selectively Introduced Câ•O Groups toward Stable and High Capacity Anodes for Sodium Storage. ACS Applied Materials & Interfaces, 2020, 12, 27499-27507. | 4.0 | 75 |
| 24 | Space-confinement of MnO nanosheets in densely stacked graphene: Ultra-high volumetric capacity and rate performance for lithium-ion batteries. Energy Storage Materials, 2018, 12, 94-102. | 9.5 | 74 |
| 25 | A Mottâ€“Schottky Heterogeneous Layer for Liâ€“S Batteries: Enabling Both High Stability and Commercialâ€Sulfur Utilization. Advanced Energy Materials, 2022, 12, . | 10.2 | 74 |
| 26 | Vertically Oriented Graphene Nanoribbon Fibers for High-Volumetric Energy Density All-Solid-State Asymmetric Supercapacitors. Small, 2017, 13, 1700371. | 5.2 | 71 |
| 27 | Wrinkled Ultrathin Graphitic C<sub>3</sub>N<sub>4</sub> Nanosheets for Photocatalytic Degradation of Organic Wastewater. ACS Applied Nano Materials, 2018, 1, 6733-6741. | 2.4 | 71 |
| 28 | Self-Supported FeNi-P Nanosheets with Thin Amorphous Layers for Efficient Electrocatalytic Water Splitting. ACS Sustainable Chemistry and Engineering, 2018, 6, 9640-9648. | 3.2 | 71 |
| 29 | A highly efficient and durable water splitting system: platinum sub-nanocluster functionalized nickelâ€“iron layered double hydroxide as the cathode and hierarchical nickelâ€“iron selenide as the anode. Journal of Materials Chemistry A, 2019, 7, 2831-2837. | 5.2 | 65 |
| 30 | Approaching the Theoretical Sodium Storage Capacity and Ultrahigh Rate of Layerâ€Expanded MoS<sub>2</sub> by Interfacial Engineering on Nâ€Doped Graphene. Advanced Energy Materials, 2021, 11, 2002600. | 10.2 | 65 |
| 31 | Fe(CN)<sub>6</sub><sup>3â^’</sup> ion-modified MnO<sub>2</sub>/graphene nanoribbons enabling high energy density asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 7649-7658. | 5.2 | 60 |
| 32 | Ultra-small and highly crystallized ZnFe<sub>2</sub>O<sub>4</sub> nanoparticles within double graphene networks for super-long life lithium-ion batteries. Journal of Materials Chemistry A, 2017, 5, 11188-11196. | 5.2 | 55 |
| 33 | Facile and rapid synthesis of highly crumpled graphene sheets as high-performance electrodes for supercapacitors. RSC Advances, 2013, 3, 2566. | 1.7 | 50 |
| 34 | Nitrogen-doped carbon-coated MnO nanoparticles anchored on interconnected graphene ribbons for high-performance lithium-ion batteries. Journal of Power Sources, 2018, 397, 325-333. | 4.0 | 48 |
| 35 | Ultra-high toughness all graphene fibers derived from synergetic effect of interconnected graphene ribbons and graphene sheets. Carbon, 2017, 120, 17-22. | 5.4 | 47 |
| 36 | Effect of carbon black on electrical property of graphite nanoplatelets/epoxy resin composites. Polymer Engineering and Science, 2009, 49, 2041-2045. | 1.5 | 43 |

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|---|---|---|---|
| 37 | Nickel hexacyanoferrate on graphene sheets for high-performance asymmetric supercapacitors in neutral aqueous electrolyte. Electrochimica Acta, 2019, 303, 40-48. | 2.6 | 43 |
| 38 | Multifunctional Bionanocomposite Foams with a Chitosan Matrix Reinforced by Nanofibrillated Cellulose. ChemNanoMat, 2017, 3, 98-108. | 1.5 | 37 |
| 39 | Toward the Design of Highâ€performance Supercapacitors by Prussian Blue, its Analogues and their Derivatives. Energy and Environmental Materials, 2020, 3, 323-345. | 7.3 | 29 |
| 40 | Supercapacitors: Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities (Adv. Energy Mater. 4/2014). Advanced Energy Materials, 2014, 4, . | 10.2 | 28 |
| 41 | Porous Î²-Mo2C nanoparticle clusters supported on walnut shell powders derived carbon matrix for hydrogen evolution reaction. Journal of Colloid and Interface Science, 2020, 563, 104-111. | 5.0 | 28 |
| 42 | Highâ€efficiency utilization of carbon materials for supercapacitors. Nano Select, 2020, 1, 244-262. | 1.9 | 27 |
| 43 | Strong oxidation induced quinone-rich dopamine polymerization onto porous carbons as ultrahigh-capacity organic cathode for sodium-ion batteries. Energy Storage Materials, 2021, 43, 120-129. | 9.5 | 26 |
| 44 | Temperature dependence of the conductivity behavior of graphite nanoplateletâ€filled epoxy resin composites. Journal of Applied Polymer Science, 2009, 113, 1515-1519. | 1.3 | 25 |
| 45 | Nickel sulfide/graphene/carbon nanotube composites as electrode material for the supercapacitor application in the sea flashing signal system. Journal of Marine Science and Application, 2014, 13, 462-466. | 0.7 | 24 |
| 46 | Mesoporous single-crystalline MnO<sub>x</sub> nanofibers@graphene for ultra-high rate and long-life lithium-ion battery anodes. Journal of Materials Chemistry A, 2018, 6, 24756-24766. | 5.2 | 24 |
| 47 | Sandwiching Sulfur into the Dents Between N, O Co-Doped Graphene Layered Blocks with Strong Physicochemical Confinements for Stable and High-Rate Liâ€“S Batteries. Nano-Micro Letters, 2020, 12, 146. | 14.4 | 23 |
| 48 | 3D interconnected porous carbon derived from spontaneous merging of the nano-sized ZIF-8 polyhedrons for high-mass-loading supercapacitor electrodes. Journal of Materials Chemistry A, 2022, 10, 2027-2034. | 5.2 | 23 |
| 49 | Tin Nanodots Derived From Sn 2+ /Graphene Quantum Dot Complex as Pillars into Graphene Blocks for Ultrafast and Ultrastable Sodiumâ€ion Storage. Small, 2020, 16, 2003557. | 5.2 | 22 |
| 50 | Activation of peroxymonosulfate by Î±-MnO2 for Orange â... removal in water. Environmental Research, 2022, 210, 112919. | 3.7 | 19 |
| 51 | Ni, Co Hydroxide Modified by Partial Substitution of OH<sup>â€“</sup> with Cl<sup>â€“</sup> for Boosting Ultraâ€Fast Redox Kinetics up to 500ÂmVÂs<sup>â^'1</sup> in Supercapacitors. Advanced Functional Materials, 2022, 32, . | 7.8 | 18 |
| 52 | Template-directed synthesis of pomegranate-shaped zinc oxide@zeolitic imidazolate framework for visible light photocatalytic degradation of tetracycline. Chemosphere, 2022, 294, 133782. | 4.2 | 15 |
| 53 | Fe(CN)<sub>6</sub><sup>3â^'</sup> ions confined into porous pillared-carbon nanosheets for high energy density supercapacitors. Journal of Materials Chemistry A, 2018, 6, 23885-23893. | 5.2 | 14 |
| 54 | Transparent and flexible structurally colored biological nanofiber films for visual gas detection. Matter, 2022, 5, 2813-2828. | 5.0 | 11 |

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|---|---|---|---|
| 55 | Molecular Diffusionâ€“Driven Motion in 2D Graphene Film. Advanced Functional Materials, 2018, 28, 1707053. | 7.8 | 9 |
| 56 | Design of layered-stacking graphene assemblies as advanced electrodes for supercapacitors. Particuology, 2022, 60, 1-13. | 2.0 | 9 |
| 57 | Effect of chemical modification of graphite nanoplatelets on electrochemical performance of MnO2 electrodes. Journal of Materials Science: Materials in Electronics, 2010, 21, 619-624. | 1.1 | 8 |
| 58 | Advanced Liâ€ion Batteries with High Rate, Stability, and Mass Loading Based on Graphene Ribbon Hybrid Networks. Chemistry - A European Journal, 2019, 25, 5022-5027. | 1.7 | 8 |
| 59 | Electrostatic self-assembled layered polymers form supramolecular heterojunction catalyst for photocatalytic reduction of high-stability nitrate in water. Journal of Colloid and Interface Science, 2022, 622, 828-839. | 5.0 | 7 |
| 60 | Application of Tea Polyphenols and Their Effects on Ultrafiltration Effluent Disinfection and Microbial Risk. Water (Switzerland), 2021, 13, 2559. | 1.2 | 2 |
| 61 | Energy Storage: Dual Support System Ensuring Porous Coâ€“Al Hydroxide Nanosheets with Ultrahigh Rate Performance and High Energy Density for Supercapacitors (Adv. Funct. Mater. 11/2015). Advanced Functional Materials, 2015, 25, 1763-1763. | 7.8 | 0 |