

# Tianxi Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

464 papers	22,121 citations	82 h-index	125 g-index
492 ext. papers	25,922 ext. citations	7.4 avg, IF	7.4 L-index

#	Paper	IF	Citations
464	Ultrathin Polypyrrole Layers Boosting MoO <sub>3</sub> as Both Cathode and Anode Materials for a 2.0 V High-Voltage Aqueous Supercapacitor.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	4
463	Recent advances and perspectives of 3D printed micro-supercapacitors: from design to smart integrated devices.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	3
462	Facile Fabrication of Highly Stretchable, Stable, and Self-Healing Ion-Conductive Sensors for Monitoring Human Motions. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 1110-1120	9.6	5
461	Facile preparation of high strength, lightweight and thermal insulation Polyetherimide/Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes/Ag nanoparticles composite foams for electromagnetic interference shielding. <i>Composites Communications</i> , <b>2022</b> , 29, 101028	6.7	3
460	Electron-Deficient Au Nanoparticles Confined in Organic Molecular Cages for Catalytic Reduction of 4-Nitrophenol. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 1276-1283	5.6	2
459	Homogeneous electric field and Li flux regulation in three-dimensional nanofibrous composite framework for ultra-long-life lithium metal anode.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 614, 138-146	9.3	1
458	Thermo-spun reaction encapsulation fabrication of environment-stable and knittable fibrous ionic conductors with large elasticity and high fatigue resistance. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134826	14.7	1
457	Corrosion-Resistant Graphene-Based Magnetic Composite Foams for Efficient Electromagnetic Absorption.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	5
456	3D reactive printing of polyaniline hybrid hydrogel microlattices with large stretchability and high fatigue resistance for wearable pressure sensors. <i>Composites Science and Technology</i> , <b>2022</b> , 220, 109263	8.6	2
455	Low-crystallinity tungsten disulfide construction by in-situ confinement effect enables ultrastable sodium-ion storage. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 900, 163518	5.7	0
454	The bonding strength, water resistance and flame retardancy of soy protein-based adhesive by incorporating tailor-made core-shell nanohybrid compounds. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 132390	14.7	10
453	Ultralight and ordered lamellar polyimide-based graphene foams with efficient broadband electromagnetic absorption. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 102, 97-104	9.1	8
452	Highly flexible and compressible polyimide/silica aerogels with integrated double network for thermal insulation and fire-retardancy. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 105, 194-202	9.1	10
451	A Universal Polyiodide Regulation Using Quaternization Engineering toward High Value-Added and Ultra-Stable Zinc-Iodine Batteries.. <i>Advanced Science</i> , <b>2022</b> , e2105598	13.6	5
450	Composite membranes with nanofilms assembled on nanofiber supports for high-performance nanofiltration with antibacterial property. <i>Composites Communications</i> , <b>2022</b> , 31, 101113	6.7	0
449	An ionic liquid enhanced gel polymer electrolyte for high performance lithium-metal batteries based on sulfurized polyacrylonitrile cathode. <i>Composites Communications</i> , <b>2022</b> , 31, 101100	6.7	0
448	Multilayer cross-linking polyetherimide/ Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXenes material with pores channel structure for electromagnetic interference shielding. <i>Journal of Applied Polymer Science</i> , <b>2022</b> , 139, 52075	2.9	1

447	Topochemistry-Driven Synthesis of Transition-Metal Selenides with Weakened Van Der Waals Force to Enable 3D-Printed Na-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2110016	15.6	21
446	Unraveling the electronegativity-dominated intermediate adsorption on high-entropy alloy electrocatalysts.. <i>Nature Communications</i> , <b>2022</b> , 13, 2662	17.4	10
445	Polyimide/boron nitride composite aerogel fiber-based phase-changeable textile for intelligent personal thermoregulation. <i>Composites Science and Technology</i> , <b>2022</b> , 109541	8.6	0
444	Recent advances in conductive polymer hydrogel composites and nanocomposites for flexible electrochemical supercapacitors. <i>Chemical Communications</i> , <b>2021</b> ,	5.8	16
443	A Reanalysis of the Diverse Sodium Species in Carbon Anodes for Sodium Ion Batteries: A Thermodynamic View. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102489	21.8	7
442	Rechargeable aqueous Zn-based energy storage devices. <i>Joule</i> , <b>2021</b> ,	27.8	37
441	Template-free construction of hollow mesoporous carbon spheres from a covalent triazine framework for enhanced oxygen electroreduction. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> ,	9.3	6
440	Design of Intrinsically Flame-Retardant Vanillin-Based Epoxy Resin for Thermal-Conductive Epoxy/Graphene Aerogel Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	2
439	A 3D-printed integrated MXene-based evaporator with a vertical array structure for salt-resistant solar desalination. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 23968-23976	13	5
438	Asymmetric Sodiophilic Host Based on a Ag-Modified Carbon Fiber Framework for Dendrite-Free Sodium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 48634-48642	9.5	2
437	Highly Stretchable, Fast Self-Healing, and Waterproof Fluorinated Copolymer Ionogels with Selectively Enriched Ionic Liquids for Human-Motion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 49358-49368	9.5	14
436	Superior toughened bio-compostable Poly(glycolic acid)-based blends with enhanced melt strength via selective interfacial localization of in-situ grafted copolymers. <i>Polymer</i> , <b>2021</b> , 235, 124269	3.9	2
435	Compressible and robust PANI sponge anchored with erected MXene flakes for human motion detection. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 151, 106671	8.4	9
434	Ultrastretchable and Stable Conductive Elastomer Based on Micro-Ionicgel for Wide-Working-Range Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	5
433	Molten salt-confined pyrolysis towards carbon nanotube-backboned microporous carbon for high-energy-density and durable supercapacitor electrodes. <i>Nanotechnology</i> , <b>2021</b> , 32, 095605	3.4	4
432	Tailoring the d-Band Center of Double-Perovskite LaCoNiO Nanorods for High Activity in Artificial N Fixation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13347-13353	9.5	4
431	Ultrasound-Triggered Assembly of Covalent Triazine Framework for Synthesizing Heteroatom-Doped Carbon Nanoflowers Boosting Metal-Free Bifunctional Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13328-13337	9.5	22
430	Stretchable and self-healing polyvinyl alcohol/cellulose nanofiber nanocomposite hydrogels for strain sensors with high sensitivity and linearity. <i>Composites Communications</i> , <b>2021</b> , 24, 100677	6.7	18

429	Polyaniline-decorated 3D carbon porous network with excellent electrolyte wettability and high energy density for supercapacitors. <i>Composites Communications</i> , <b>2021</b> , 24, 100610	6.7	9
428	Highly Stretchable and Reconfigurable Ionogels with Unprecedented Thermoplasticity and Ultrafast Self-Healability Enabled by Gradient-Responsive Networks. <i>Macromolecules</i> , <b>2021</b> , 54, 3832-3844	5.5	15
427	Thin-film composite membranes with mineralized nanofiber supports for highly efficient nanofiltration. <i>Composites Communications</i> , <b>2021</b> , 24, 100695	6.7	6
426	Electron-rich platinum electrocatalysts supported onto tin oxides for efficient oxygen reduction. <i>Composites Communications</i> , <b>2021</b> , 24, 100603	6.7	5
425	Controllable synthesis of sulfurized polyacrylonitrile nanofibers for high performance lithium-sulfur batteries. <i>Composites Communications</i> , <b>2021</b> , 24, 100675	6.7	9
424	Insights on Flexible Zinc-Ion Batteries from Lab Research to Commercialization. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007548	24	50
423	Carbon Fiber Supported Binary Metal Sulfide Catalysts with Multi-Dimensional Structures for Electrocatalytic Nitrogen Reduction Reactions Over a Wide pH Range. <i>Advanced Fiber Materials</i> , <b>2021</b> , 3, 229-238	10.9	10
422	Dense Hydrogen-Bonding Network Boosts Ionic Conductive Hydrogels with Extremely High Toughness, Rapid Self-Recovery, and Autonomous Adhesion for Human-Motion Detection. <i>Research</i> , <b>2021</b> , 2021, 9761625	7.8	14
421	Two Competing Reactions of Sulfurized Polyacrylonitrile Produce High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 25002-25009	9.5	6
420	Zinc-Ion Batteries: Insights on Flexible Zinc-Ion Batteries from Lab Research to Commercialization (Adv. Mater. 20/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170158	24	2
419	Hydrogen-bonded network enables semi-interpenetrating ionic conductive hydrogels with high stretchability and excellent fatigue resistance for capacitive/resistive bimodal sensors. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128506	14.7	43
418	Porous polymer composite separators with three-dimensional ion-selective nanochannels for high-performance LiS batteries. <i>Composites Communications</i> , <b>2021</b> , 25, 100679	6.7	13
417	PdSnO2 heterojunction catalysts anchored on graphene sheets for enhanced oxygen reduction. <i>Composites Communications</i> , <b>2021</b> , 25, 100703	6.7	8
416	Wet-spinning of ionic liquid@elastomer coaxial fibers with high stretchability and wide temperature resistance for strain sensors. <i>Composites Communications</i> , <b>2021</b> , 25, 100693	6.7	9
415	High hydrophobic poly(lactic acid) foams impregnating one-step SiO <sub>2</sub> modified lignin nanoparticles for oil/organic solvents absorption. <i>Composites Communications</i> , <b>2021</b> , 25, 100730	6.7	11
414	Fast-Recoverable, Self-Healable, and Adhesive Nanocomposite Hydrogel Consisting of Hybrid Nanoparticles for Ultrasensitive Strain and Pressure Sensing. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 6146-6157	9.6	23
413	Ultra-strong capillarity of bioinspired micro/nanotunnels in organic cathodes enabled high-performance all-organic sodium-ion full batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127597	14.7	7
412	Tuning the electronic structure of AuNi homogeneous solid-solution alloy with positively charged Ni center for highly selective electrochemical CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126523	14.7	18

411	Polyimide separators for rechargeable batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 170-197	12	19
410	Structural engineering of cathodes for improved Zn-ion batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 147-155	12	13
409	Superhydrophobic polyvinylidene fluoride/polyimide nanofiber composite aerogels for thermal insulation under extremely humid and hot environment. <i>Science China Materials</i> , <b>2021</b> , 64, 1267-1277	7.1	15
408	Effect of poly(lactic acid) crystallization on its mechanical and heat resistance performances. <i>Polymer</i> , <b>2021</b> , 212, 123280	3.9	5
407	Extremely stretchable and healable ionic conductive hydrogels fabricated by surface competitive coordination for human-motion detection. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127637	14.7	20
406	A dendrite-free composite Li metal anode enabled by lithiophilic Co, N codoped porous carbon nanofibers. <i>Journal of Power Sources</i> , <b>2021</b> , 483, 229188	8.9	10
405	UV resistant PBT nanocomposites by reactive compatibilization and selective distribution of tailor-made double-shelled TiO <sub>2</sub> nanohybrids. <i>Composites Part B: Engineering</i> , <b>2021</b> , 205, 108510	10	1
404	3D printed carbon aerogel microlattices for customizable supercapacitors with high areal capacitance. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 423-432	13	27
403	Polymer matrix wave-transparent composites: A review. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 75, 225-251	9.1	48
402	Metal-Organic-Framework-Derived Porous Carbon Embedded with TiO <sub>2</sub> Nanoparticles as a Cathode for Advanced Lithium-Sulfur Batteries. <i>ChemElectroChem</i> , <b>2021</b> , 8, 90-95	4.3	8
401	The bionic sunflower: a bio-inspired autonomous light tracking photocatalytic system. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3931-3937	35.4	11
400	Polyimide-based graphene composite foams with hierarchical impedance gradient for efficient electromagnetic absorption. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 2086-2094	7.1	18
399	A General Strategy to Boost Electrocatalytic Nitrogen Reduction on Perovskite Oxides via the Oxygen Vacancies Derived from A-Site Deficiency. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003799	21.8	26
398	3D printing of polycaprolactone-based composites with diversely tunable mechanical gradients via multi-material fused deposition modeling. <i>Composites Communications</i> , <b>2021</b> , 23, 100600	6.7	17
397	Superelastic, Fatigue-Resistant, and Flame-Retardant Spongy Conductor for Human Motion Detection against a Harsh High-Temperature Condition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7580-7591	9.5	8
396	Ultrafine MoP Nanoparticle Splotched Nitrogen-Doped Carbon Nanosheets Enabling High-Performance 3D-Printed Potassium-Ion Hybrid Capacitors. <i>Advanced Science</i> , <b>2021</b> , 8, 2004142	13.6	40
395	Hydrogen-bonded network enables polyelectrolyte complex hydrogels with high stretchability, excellent fatigue resistance and self-healability for human motion detection. <i>Composites Part B: Engineering</i> , <b>2021</b> , 217, 108901	10	20
394	Isolation of Metalloid Boron Atoms in Intermetallic Carbide Boosts the Catalytic Selectivity for Electrocatalytic N <sub>2</sub> Fixation. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102138	21.8	10

393	Tuning the Linkers in Polymer-Based Cathodes to Realize High Sulfur Content and High-Performance Potassium Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 18604-18613	3.8	3
392	Layered double hydroxide/graphene oxide synergistically enhanced polyimide aerogels for thermal insulation and fire-retardancy. <i>Composites Part B: Engineering</i> , <b>2021</b> , 219, 108963	10	20
391	Wood-Derived Composites with High Performance for Thermal Management Applications. <i>Biomacromolecules</i> , <b>2021</b> , 22, 4228-4236	6.9	0
390	Polyimide Nanofiber-Reinforced TiCT Aerogel with "Lamella-Pillar" Microporosity for High-Performance Piezoresistive Strain Sensing and Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 47134-47146	9.5	18
389	Metal-free boron and sulphur co-doped carbon nanofibers with optimized p-band centers for highly efficient nitrogen electroreduction to ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 292, 120144	21.8	10
388	Automatically Modulated Thermoresponsive Film Based on a Phase-Changing Copolymer. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 7232-7241	9.6	4
387	Fe3O4 Nanoparticle-Decorated Graphene Oxide Nanosheets for Magnetic Assembly of Artificial Nacre. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 9689-9696	5.6	2
386	Chemically Laminating Graphene Oxide Nanosheets with Phenolic Nanomeshes for Robust Membranes with Fast Desalination. <i>Nano Letters</i> , <b>2021</b> , 21, 8236-8243	11.5	5
385	Surface modification of BNNS bridged by graphene oxide and Ag nanoparticles: A strategy to get balance between thermal conductivity and mechanical property. <i>Composites Communications</i> , <b>2021</b> , 27, 100851	6.7	5
384	Multi-scale uniform Li regulation triggered by tunable electric field distribution on oxygen-functionalized porous framework for flexible Li-S full batteries. <i>Energy Storage Materials</i> , <b>2021</b> , 42, 68-77	19.4	14
383	Lattice-strain and electron-density modulation of palladium nanocatalysts for highly efficient oxygen reduction. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 159-167	9.3	1
382	Phenolic membranes with tunable sub-10-nm pores for nanofiltration and tight-ultrafiltration. <i>Journal of Membrane Science</i> , <b>2021</b> , 640, 119858	9.6	2
381	Ultra-highly stretchable and anisotropic SEBS/F127 fiber films equipped with an adaptive deformable carbon nanotube layer for dual-mode strain sensing. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 18294-18305	13	14
380	A dual-functional poly(vinyl alcohol)/poly(lithium acrylate) composite nanofiber separator for ionic shielding of polysulfides enables high-rate and ultra-stable Li-S batteries. <i>Nano Research</i> , <b>2021</b> , 14, 1541-1550	10.5	10
379	Ultrathin MnO2 Sheet Arrays Grown on Hollow Carbon Fibers as Effective Polysulfide-Blocking Interlayers for High-Performance LiS Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 12703-12708	6.1	7
378	N Electroreduction to NH by Selenium Vacancy-Rich ReSe Catalysis at an Abrupt Interface. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13320-13327	16.4	53
377	3D honeycombed cobalt, nitrogen co-doped carbon nanosheets via hypersaline-protected pyrolysis towards efficient oxygen reduction. <i>Nanotechnology</i> , <b>2020</b> , 31, 364003	3.4	7
376	Polyaniline engineering defect-induced nitrogen doped carbon-supported Co3O4 hybrid composite as a high-efficiency electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , <b>2020</b> , 526, 146626	6.7	11

375	N <sub>2</sub> Electroreduction to NH <sub>3</sub> by Selenium Vacancy-Rich ReSe <sub>2</sub> Catalysis at an Abrupt Interface. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13422-13429	3.6	10
374	Nitrogen-doped hollow carbon nanoflowers from a preformed covalent triazine framework for metal-free bifunctional electrocatalysis. <i>Nanoscale</i> , <b>2020</b> , 12, 14441-14447	7.7	20
373	Hierarchical composites of NiCo <sub>2</sub> S <sub>4</sub> nanorods grown on carbon nanofibers as anodes for high-performance lithium ion batteries. <i>Composites Communications</i> , <b>2020</b> , 21, 100395	6.7	11
372	Emerging Dual-Channel Transition-Metal-Oxide Quasiaerogels by Self-Embedded Templating. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000024	15.6	25
371	Multifunctional polyimide aerogel textile inspired by polar bear hair for thermoregulation in extreme environments. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124623	14.7	52
370	Refining Energy Levels in ReS <sub>2</sub> Nanosheets by Low-Valent Transition-Metal Doping for Dual-Boosted Electrochemical Ammonia/Hydrogen Production. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907376	15.6	55
369	Gradient phosphorus-doping engineering and superficial amorphous reconstruction in NiFeO nanoarrays to enhance the oxygen evolution electrocatalysis. <i>Nanoscale</i> , <b>2020</b> , 12, 10977-10986	7.7	11
368	Fluorine and Nitrogen Dual-Doped Porous Carbon Nanosheet-Enabled Compact Electrode Structure for High Volumetric Energy Storage. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4949-4957	6.1	19
367	Photoprotective and multifunctional polymer film with excellent near-infrared and UV shielding properties. <i>Composites Communications</i> , <b>2020</b> , 22, 100443	6.7	8
366	Fluorine/adamantane modified cyanate resins with wonderful interfacial bonding strength with PBO fibers. <i>Composites Part B: Engineering</i> , <b>2020</b> , 186, 107827	10	35
365	Cryopolymerization enables anisotropic polyaniline hybrid hydrogels with superelasticity and highly deformation-tolerant electrochemical energy storage. <i>Nature Communications</i> , <b>2020</b> , 11, 62	17.4	98
364	Oxygen vacancy engineering in spinel-structured nanosheet wrapped hollow polyhedra for electrochemical nitrogen fixation under ambient conditions. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 1652-1659	13	33
363	Activation of graphitic nitrogen sites for boosting oxygen reduction. <i>Carbon</i> , <b>2020</b> , 159, 611-616	10.4	18
362	Bidirectional anisotropic polyimide/bacterial cellulose aerogels by freeze-drying for super-thermal insulation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123963	14.7	77
361	Vacancy engineering of group VI anions in NiCo <sub>2</sub> A <sub>4</sub> (A = O, S, Se) for efficient hydrogen production by weakening the shackles of hydronium ion. <i>Electrochimica Acta</i> , <b>2020</b> , 333, 135515	6.7	9
360	Self-assembly of MoO <sub>3</sub> -decorated carbon nanofiber interlayers for high-performance lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 2157-2163	3.6	17
359	Dual anionic vacancies on carbon nanofiber threaded MoSSe arrays: A free-standing anode for high-performance potassium-ion storage. <i>Energy Storage Materials</i> , <b>2020</b> , 27, 591-598	19.4	33
358	In-situ synthesis of microspherical Sb@C composite anode with high tap density for lithium/sodium-ion batteries. <i>Composites Communications</i> , <b>2020</b> , 17, 177-181	6.7	20

357	Fe-doped LiMnPO <sub>4</sub> @C nanofibers with high Li-ion diffusion coefficient. <i>Carbon</i> , <b>2020</b> , 158, 102-109	10.4	27
356	Mechanically strong and thermally insulating polyimide aerogels by homogeneity reinforcement of electrospun nanofibers. <i>Composites Part B: Engineering</i> , <b>2020</b> , 182, 107624	10	30
355	Highly porous electroactive polyimide-based nanofibrous composite anode for all-organic aqueous ammonium dual-ion batteries. <i>Composites Communications</i> , <b>2020</b> , 22, 100519	6.7	14
354	In-situ reducing synthesis of MoP@nitrogen-doped carbon nanofibers as an anode material for lithium/sodium-ion batteries. <i>Electrochimica Acta</i> , <b>2020</b> , 358, 136921	6.7	11
353	Flexible naphthalene-based polyimide nanofiber cathode with hierarchical micro/nanoporous structure for high-performance organic sodium-ion batteries. <i>Composites Communications</i> , <b>2020</b> , 22, 100490	6.7	12
352	CN: A Class of Covalent Frameworks with Unique Properties. <i>Advanced Science</i> , <b>2020</b> , 7, 2001767	13.6	18
351	Elucidating dual-defect mechanism in rhenium disulfide nanosheets with multi-dimensional ion transport channels for ultrafast sodium storage. <i>Nano Energy</i> , <b>2020</b> , 77, 105189	17.1	17
350	Titanium-Containing Metal-Organic Framework Modified Separator for Advanced Lithium-Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12968-12975	8.3	28
349	Fused deposition modeling 3D printing of polyamide-based composites and its applications. <i>Composites Communications</i> , <b>2020</b> , 21, 100413	6.7	53
348	High-performance and functional PBT/EVMG/CNTs nanocomposites from recycled sources by in situ multistep reaction-induced interfacial control. <i>Composites Science and Technology</i> , <b>2020</b> , 190, 108043	8.6	13
347	Metal-Free Multi-Heteroatom-Doped Carbon Bifunctional Electrocatalysts Derived from a Covalent Triazine Polymer. <i>Small</i> , <b>2020</b> , 16, e2004342	11	40
346	Excellent UV Resistance of Polylactide by Interfacial Stereocomplexation with Double-Shell-Structured TiO Nanohybrids. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 49090-49100	8.5	13
345	Artificial Nacre Epoxy Nanomaterials Based on Janus Graphene Oxide for Thermal Management Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44273-44280	9.5	9
344	Three-Phase Boundary in Cross-Coupled Micro-Mesoporous Networks Enabling 3D-Printed and Ionogel-Based Quasi-Solid-State Micro-Supercapacitors. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002474	24	27
343	A universal pH range and a highly efficient Mo <sub>2</sub> C-based electrocatalyst for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19879-19886	13	23
342	2D nanosheet-constructed hybrid nanofillers for polymer nanocomposites with synergistic dispersion and function. <i>APL Materials</i> , <b>2019</b> , 7, 080904	5.7	10
341	Conductive carbon nanofiber interpenetrated graphene architecture for ultra-stable sodium ion battery. <i>Nature Communications</i> , <b>2019</b> , 10, 3917	17.4	148
340	Tracking Airborne Molecules from Afar: Three-Dimensional Metal-Organic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring. <i>ACS Nano</i> , <b>2019</b> , 13, 12090-12099	16.7	43

339	Improving hierarchical porous structure of carbon aerogels for more efficient ion transport for supercapacitors with commercial level mass loading. <i>Electrochimica Acta</i> , <b>2019</b> , 323, 134811	6.7	16
338	In situ extracted poly(acrylic acid) contributing to electrospun nanofiber separators with precisely tuned pore structures for ultra-stable lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3253-3263	13	43
337	Lightweight, strong, and super-thermal insulating polyimide composite aerogels under high temperature. <i>Composites Science and Technology</i> , <b>2019</b> , 173, 47-52	8.6	76
336	Oxidizing solid Co into hollow Co <sub>3</sub> O <sub>4</sub> within electrospun (carbon) nanofibers towards enhanced lithium storage performance. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3024-3030	13	72
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334	Free-standing macro-porous nitrogen doped graphene film for high energy density supercapacitor. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 865-874	6.7	27
333	Embedding CoMoO nanoparticles into porous electrospun carbon nanofibers towards superior lithium storage performance. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 553, 320-327	9.3	22
332	Effect of soluble sulfur species on the electrochemical behavior of lithium-sulfur batteries with dual-phase electrolytes. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 1966-1970	5.8	5
331	Graphene/graphene nanoribbon aerogels decorated with S-doped MoSe <sub>2</sub> nanosheets as an efficient electrocatalyst for hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1209-1216	6.8	9
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329	Nitrogen-Doped Carbon Polyhedra Nanopapers: An Advanced Binder-Free Electrode for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5240-5248	8.3	21
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324	Positive Surface Pseudocapacitive Behavior-Induced Fast and Large Li-ion Storage in Mesoporous LiMnPO <sub>4</sub> @C Nanofibers. <i>ChemSusChem</i> , <b>2019</b> , 12, 3817-3826	8.3	12
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322	Molecular-engineered hybrid carbon nanofillers for thermoplastic polyurethane nanocomposites with high mechanical strength and toughness. <i>Composites Part B: Engineering</i> , <b>2019</b> , 177, 107381	10	22

321	Ditungsten carbide nanoparticles embedded in electrospun carbon nanofiber membranes as flexible and high-performance supercapacitor electrodes. <i>Composites Communications</i> , <b>2019</b> , 12, 21-25	6.7	39
320	Silicon @ nitrogen-doped porous carbon fiber composite anodes synthesized by an in-situ reaction collection strategy for high-performance lithium-ion batteries. <i>Applied Surface Science</i> , <b>2019</b> , 475, 211-218	6.7	24
319	Reaction Packaging CoSe Nanoparticles in N-Doped Carbon Polyhedra with Bifunctionality for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3372-3381	9.5	49
318	Energy level engineering in transition-metal doped spinel-structured nanosheets for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 827-833	13	36
317	Cobalt, Nitrogen-Doped Porous Carbon Nanosheet-Assembled Flowers from Metal-Coordinated Covalent Organic Polymers for Efficient Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 1384-1393	9.5	36
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314	Ultra-long-term cycling stability of an integrated carbon-sulfur membrane with dual shuttle-inhibiting layers of graphene "nets" and a porous carbon skin. <i>Chemical Communications</i> , <b>2018</b> , 54, 5090-5093	5.8	75
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312	Mechanically strong polyimide / carbon nanotube composite aerogels with controllable porous structure. <i>Composites Science and Technology</i> , <b>2018</b> , 156, 186-191	8.6	78
311	3D hierarchical CMF/MoSe <sub>2</sub> composite foam as highly efficient electrocatalyst for hydrogen evolution. <i>Electrochimica Acta</i> , <b>2018</b> , 263, 94-101	6.7	21
310	A bio-inspired N-doped porous carbon electrocatalyst with hierarchical superstructure for efficient oxygen reduction reaction. <i>Applied Surface Science</i> , <b>2018</b> , 443, 266-273	6.7	12
309	High-temperature solvent-free sulfidation of MoO <sub>3</sub> confined in a polypyrrole shell: MoS <sub>2</sub> nanosheets encapsulated in a nitrogen, sulfur dual-doped carbon nanoprism for efficient lithium storage. <i>Nanoscale</i> , <b>2018</b> , 10, 7536-7543	7.7	30
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306	Self-supported MoS <sub>2</sub> @NHCF fiber-in-tube composites with tunable voids for efficient hydrogen evolution reaction. <i>Composites Communications</i> , <b>2018</b> , 9, 86-91	6.7	29
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298	A rechargeable metal-free full-liquid sulfur-bromine battery for sustainable energy storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 20737-20745	13	5
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251	Studies on Mechanical Properties and Morphology of Sisal Pulp Reinforced Phenolic Composites. <i>Advances in Polymer Technology</i> , <b>2016</b> , 35, 353-360	1.9	1
250	NiCo <sub>2</sub> S <sub>4</sub> Nanosheets Grown on 3D Networks of Nitrogen-Doped Graphene/Carbon Nanotubes: Advanced Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2016</b> , 3, 1384-1391	4.3	38

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237	Friction properties of sisal fiber/nano-silica reinforced phenol formaldehyde composites. <i>Polymer Composites</i> , <b>2015</b> , 36, 433-438	3	27
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221	Disulfide-crosslinked poly(L-glutamic acid) grafted mesoporous silica nanoparticles and their potential application in drug delivery. <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 890-894	2.2	3
220	Graphene/BAOOH Hybrids as an enhanced sensing platform for ultrasensitive stripping voltammetric detection of Pb(II). <i>Chemical Research in Chinese Universities</i> , <b>2015</b> , 31, 590-596	2.2	6
219	Anisotropic conductive films based on highly aligned polyimide fibers containing hybrid materials of graphene nanoribbons and carbon nanotubes. <i>Nanoscale</i> , <b>2015</b> , 7, 1037-46	7.7	64
218	Graphene/carbon aerogels derived from graphene crosslinked polyimide as electrode materials for supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 1301-1308	3.7	74
217	Polydopamine-coated electrospun poly(vinyl alcohol)/poly(acrylic acid) membranes as efficient dye adsorbent with good recyclability. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 283, 730-9	12.8	180
216	Graphene Liquid Marbles as Photothermal Miniature Reactors for Reaction Kinetics Modulation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4065-4068	3.6	18
215	Hierarchical ZnCo <sub>2</sub> O <sub>4</sub> @NiCo <sub>2</sub> O <sub>4</sub> Core-Sheath Nanowires: Bifunctionality towards High-Performance Supercapacitors and the Oxygen-Reduction Reaction. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10100-8	4.8	107
214	Diameter-Controlled Synthesis and Capacitive Performance of Mesoporous Dual-Layer MnO <sub>2</sub> Nanotubes. <i>ChemNanoMat</i> , <b>2015</b> , 1, 159-166	3.5	11

213	Polymer/Carbon-Based Hybrid Aerogels: Preparation, Properties and Applications. <i>Materials</i> , <b>2015</b> , 8, 6806-6848	3.5	120
212	Flexible Hybrid Membranes of NiCo <sub>2</sub> O <sub>4</sub> -Doped Carbon [email[protected]] <sup>2</sup> Core-Shell Nanostructures for High-Performance Supercapacitors. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 13442-13450	3.8	57
211	Three-Dimensional Nanoporous Graphene-Carbon Nanotube Hybrid Frameworks for Confinement of SnS <sub>2</sub> Nanosheets: Flexible and Binder-Free Papers with Highly Reversible Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 27823-30	9.5	60
210	Flexible free-standing 3D porous N-doped graphene-carbon nanotube hybrid paper for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 9228-9236	3.7	60
209	Graphene liquid marbles as photothermal miniature reactors for reaction kinetics modulation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3993-6	16.4	80
208	Electrospun nickel-decorated carbon nanofiber membranes as efficient electrocatalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2015</b> , 159, 1-7	6.7	40
207	Enhanced visible-light photocatalytic performance of electrospun carbon-doped TiO <sub>2</sub> /halloysite nanotube hybrid nanofibers. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 439, 62-8	9.3	40
206	Hierarchically Organized Nanocomposites Derived from Low-dimensional Nanomaterials for Efficient Removal of Organic Pollutants. <i>Current Organic Chemistry</i> , <b>2015</b> , 19, 498-511	1.7	5
205	One-step synthesis of graphene nanoribbon-MnO <sub>2</sub> hybrids and their all-solid-state asymmetric supercapacitors. <i>Nanoscale</i> , <b>2014</b> , 6, 4233-42	7.7	166
204	Graphene oxide and shape-controlled silver nanoparticle hybrids for ultrasensitive single-particle surface-enhanced Raman scattering (SERS) sensing. <i>Nanoscale</i> , <b>2014</b> , 6, 4843-51	7.7	170
203	Simultaneous reinforcement and toughening of polyurethane composites with carbon nanotube/halloysite nanotube hybrids. <i>Composites Science and Technology</i> , <b>2014</b> , 91, 98-103	8.6	58
202	Studies on crystal transition of polyamide 11 nanocomposites by variable-temperature X-ray diffraction. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2014</b> , 32, 115-122	3.5	6
201	Plasmonic Liquid Marbles: A Miniature Substrate-less SERS Platform for Quantitative and Multiplex Ultratrace Molecular Detection. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5154-5158	3.6	45
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199	Catalytic liquid marbles: Ag nanowire-based miniature reactors for highly efficient degradation of methylene blue. <i>Chemical Communications</i> , <b>2014</b> , 50, 5923-6	5.8	58
198	Electrospun fibrous membranes for efficient heavy metal removal. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	53
197	Filter paper-derived carbon fiber/polyaniline composite paper for high energy storage applications. <i>Composites Science and Technology</i> , <b>2014</b> , 101, 152-158	8.6	37
196	Synergistic effect of carbon nanotubes and layered double hydroxides on the mechanical reinforcement of nylon-6 nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2014</b> , 32, 1276-1285	3.5	13

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194	Nitrogen-doped graphene nanoribbons as efficient metal-free electrocatalysts for oxygen reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 4214-22	9.5	138
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192	Electrospun carbon nanofibers decorated with Ag-Pt bimetallic nanoparticles for selective detection of dopamine. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12449-56	9.5	145
191	Highly sensitive nonenzymatic glucose and H <sub>2</sub> O <sub>2</sub> sensor based on Ni(OH) <sub>2</sub> /electroreduced graphene oxide--multiwalled carbon nanotube film modified glass carbon electrode. <i>Talanta</i> , <b>2014</b> , 120, 484-90	6.2	105
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183	Hierarchical composites of polyaniline-graphene nanoribbons-carbon nanotubes as electrode materials in all-solid-state supercapacitors. <i>Nanoscale</i> , <b>2013</b> , 5, 7312-20	7.7	161
182	Exfoliated MoS <sub>2</sub> nanosheets as efficient catalysts for electrochemical hydrogen evolution. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 269-275	6.7	113
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179	A novel hydrogen peroxide sensor based on Ag/SnO <sub>2</sub> composite nanotubes by electrospinning. <i>Electrochimica Acta</i> , <b>2013</b> , 99, 117-123	6.7	109
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170	Nitrogen-doped graphene hollow nanospheres as novel electrode materials for supercapacitor applications. <i>Journal of Power Sources</i> , <b>2013</b> , 243, 973-981	8.9	140
169	High-performance supercapacitors based on hollow polyaniline nanofibers by electrospinning. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 4423-8	9.5	212
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167	Morphology and photocatalytic property of hierarchical polyimide/ZnO fibers prepared via a direct ion-exchange process. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5617-22	9.5	83
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130	Facile fabrication of magnetite microtubes from electrospun fiber template. <i>Journal of Materials Research</i> , <b>2011</b> , 26, 1072-1075	2.5	1
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