

Zhong-Zhen Yu

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.

282 papers	24,072 citations	80 h-index	149 g-index
295 ext. papers	28,210 ext. citations	8.4 avg, IF	7.37 L-index

#	Paper	IF	Citations
282	Hierarchically porous graphene/wood-derived carbon activated using ZnCl ₂ and decorated with in situ grown NiCo ₂ O ₄ for high-performance asymmetric supercapacitors. <i>New Journal of Chemistry</i> , 2022 , 46, 533-541	3.6	0
281	A polymer organosulfur redox mediator for high-performance lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2022 , 46, 313-321	19.4	4
280	An environmental energy-enhanced solar steam evaporator derived from MXene-decorated cellulose acetate cigarette filter with ultrahigh solar steam generation efficiency. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 748-757	9.3	20
279	Functional Polyaniline/MXene/Cotton Fabrics with Acid/Alkali-Responsive and Tunable Electromagnetic Interference Shielding Performances.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	6
278	Super-Tough and Environmentally Stable Aramid. Nanofiber@MXene Coaxial Fibers with Outstanding Electromagnetic Interference Shielding Efficiency.. <i>Nano-Micro Letters</i> , 2022 , 14, 111	19.5	4
277	Superelastic and responsive anisotropic silica nanofiber/polyvinylpyrrolidone/MXene hybrid aerogels for efficient thermal insulation and overheating alarm applications. <i>Composites Science and Technology</i> , 2022 , 225, 109484	8.6	1
276	A Photo-Assisted Reversible Lithium-Sulfur Battery. <i>Energy Storage Materials</i> , 2022 , 50, 334-343	19.4	4
275	Self-supported and hierarchically porous activated carbon nanotube/carbonized wood electrodes for high-performance solid-state supercapacitors. <i>Applied Surface Science</i> , 2022 , 598, 153765	6.7	1
274	2D Ferrous Ion-Crosslinked Ti ₃ C ₂ T _x MXene Aerogel Evaporators for Efficient Solar Steam Generation. <i>Advanced Sustainable Systems</i> , 2021 , 5, 2100263	5.9	7
273	Tough and electrically conductive Ti ₃ C ₂ T _x MXene-Based core-shell fibers for high-performance electromagnetic interference shielding and heating application. <i>Chemical Engineering Journal</i> , 2021 , 133074	14.7	10
272	Wood-Derived Monolithic Ultrathick Porous Carbon Electrodes Filled with Reduced Graphene Oxide for High-Performance Supercapacitors with Ultrahigh Areal Capacitances. <i>ChemElectroChem</i> , 2021 , 8, 4328	4.3	2
271	Electrically Conductive Ti ₃ C ₂ T _x MXene/Polypropylene Nanocomposites with an Ultralow Percolation Threshold for Efficient Electromagnetic Interference Shielding. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4342-4350	3.9	22
270	Kirigami-Inspired Highly Stretchable, Conductive, and Hierarchical TiCT MXene Films for Efficient Electromagnetic Interference Shielding and Pressure Sensing. <i>ACS Nano</i> , 2021 , 15, 7668-7681	16.7	72
269	Superelastic, Ultralight, and Conductive TiCT MXene/Acidified Carbon Nanotube Anisotropic Aerogels for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 20539-20547	9.5	36
268	Coating of Wood with FeO-Decorated Carbon Nanotubes by One-Step Combustion for Efficient Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22845-22854	9.5	31
267	Superelastic and ultralight electrospun carbon nanofiber/MXene hybrid aerogels with anisotropic microchannels for pressure sensing and energy storage. <i>Journal of Colloid and Interface Science</i> , 2021 , 589, 264-274	9.3	21
266	Direct Ink Writing of Highly Conductive MXene Frames for Tunable Electromagnetic Interference Shielding and Electromagnetic Wave-Induced Thermochromism. <i>Nano-Micro Letters</i> , 2021 , 13, 148	19.5	30

265	Highly anisotropic graphene aerogels fabricated by calcium ion-assisted unidirectional freezing for highly sensitive sensors and efficient cleanup of crude oil spills. <i>Carbon</i> , 2021 , 178, 301-309	10.4	12
264	Rational Design of Soft Yet Elastic Lamellar Graphene Aerogels via Bidirectional Freezing for Ultrasensitive Pressure and Bending Sensors. <i>Advanced Functional Materials</i> , 2021 , 31, 2103703	15.6	24
263	Antifreezing and stretchable all-gel-state supercapacitor with enhanced capacitances established by graphene/PEDOT-polyvinyl alcohol hydrogel fibers with dual networks. <i>Carbon</i> , 2021 , 171, 201-210	10.4	42
262	Constructing tunable core-shell Co ₅ Ge ₃ @Co nanoparticles on reduced graphene oxide by an interfacial bonding promoted Kirkendall effect for high lithium storage performances. <i>Chemical Engineering Journal</i> , 2021 , 408, 127266	14.7	9
261	Highly thermally conductive phase change composites with excellent solar-thermal conversion efficiency and satisfactory shape stability on the basis of high-quality graphene-based aerogels. <i>Composites Science and Technology</i> , 2021 , 201, 108492	8.6	25
260	Cold-Resistant Nitrogen/Sulfur Dual-Doped Graphene Fiber Supercapacitors with Solar-Thermal Energy Conversion Effect. <i>Chemistry - A European Journal</i> , 2021 , 27, 3473-3482	4.8	4
259	Smart MXene-Based Janus films with multi-responsive actuation capability and high electromagnetic interference shielding performances. <i>Carbon</i> , 2021 , 175, 594-602	10.4	27
258	Ultraflexible Reedlike Carbon Nanofiber Membranes Decorated with Ni ₂ Co ₂ S ₂ Nanosheets and Fe ₂ O ₃ @Core-Shell Nanoneedle Arrays as Electrodes of Flexible Quasi-Solid-State Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1505-1516	6.1	9
257	Nanoscale Polyacrylamide Copolymer/Silica Hydrogel Microspheres with High Compressive Strength and Satisfactory Dispersion Stability for Efficient Profile Control and Plugging. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 10193-10202	3.9	4
256	Mesoporous Yolk-Shell Structured Organosulfur Nanotubes with Abundant Internal Joints for High-Performance Lithium-Sulfur Batteries by Kinetics Acceleration. <i>Small</i> , 2021 , 17, e2101857	11	5
255	Multifunctional TiCT MXene/Low-Density Polyethylene Soft Robots with Programmable Configuration for Amphibious Motions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 45833-45842	9.5	6
254	Diffusion-driven fabrication of yolk-shell structured K-birnessite@mesoporous carbon nanospheres with rich oxygen vacancies for high-energy and high-power zinc-ion batteries. <i>Energy Storage Materials</i> , 2021 , 42, 753-763	19.4	7
253	Ultrahigh solar steam generation rate of a vertically aligned reduced graphene oxide foam realized by dynamic compression. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14859-14867	13	19
252	Flexible, Transparent, and Conductive TiCT MXene-Silver Nanowire Films with Smart Acoustic Sensitivity for High-Performance Electromagnetic Interference Shielding. <i>ACS Nano</i> , 2020 ,	16.7	135
251	Achieving High Lithium Storage Capacity and Long-Term Cyclability of Novel Cobalt Germanate Hydroxide/Reduced Graphene Oxide Anodes with Regulated Electrochemical Catalytic Conversion Process of Hydroxyl Groups. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14037-14048	9.5	7
250	Photothermal hierarchical carbon nanotube/reduced graphene oxide microspherical aerogels with radially orientated microchannels for efficient cleanup of crude oil spills. <i>Journal of Colloid and Interface Science</i> , 2020 , 570, 61-71	9.3	32
249	Layered Birnessite Cathode with a Displacement/Intercalation Mechanism for High-Performance Aqueous Zinc-Ion Batteries. <i>Nano-Micro Letters</i> , 2020 , 12, 56	19.5	50
248	Photothermal graphene/UiO-66-NH fabrics for ultrafast catalytic degradation of chemical warfare agent simulants. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122332	12.8	26

247	Hierarchical Transition Metal Oxide Arrays Grown on Graphene-Based Fibers with Enhanced Interface by Thin Layer of Carbon toward Solid-State Asymmetric Supercapacitors. <i>ChemElectroChem</i> , 2020 , 7, 1860-1868	4.3	2
246	Flame Synthesis of Superhydrophilic Carbon Nanotubes/Ni Foam Decorated with FeO Nanoparticles for Water Purification via Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13229-13238	9.5	42
245	Janus MXene nanosheets for macroscopic assemblies. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 910-917	7.8	26
244	Synthesis of novel bimetallic nickel cobalt telluride nanotubes on nickel foam for high-performance hybrid supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 477-486	6.8	23
243	Electrically conductive aluminum ion-reinforced MXene films for efficient electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1673-1678	7.1	40
242	Multi-responsive nanocomposite membranes of cellulose nanocrystals and poly(N-isopropyl acrylamide) with tunable chiral nematic structures. <i>Carbohydrate Polymers</i> , 2020 , 232, 115778	10.3	19
241	BiOBr/AgSiO heterojunctions for enhancing visible light catalytic degradation performances with a sequential selectivity enabled by dual synergistic effects. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 396-407	9.3	16
240	Constructing mesoporous hollow polysulfane spheres bonded with short-chain sulfurs (S _x , x ≤ 8) as high-performance sulfur cathodes in both ether and ester electrolytes. <i>Energy Storage Materials</i> , 2020 , 27, 426-434	19.4	19
239	Ultrastrong and Highly Conductive MXene-Based Films for High-Performance Electromagnetic Interference Shielding. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901094	6.4	59
238	Elastic and hierarchical carbon nanofiber aerogels and their hybrids with carbon nanotubes and cobalt oxide nanoparticles for high-performance asymmetric supercapacitors. <i>Carbon</i> , 2020 , 158, 873-884	10.4	21
237	Highly sensitive, robust and anisotropic MXene aerogels for efficient broadband microwave absorption. <i>Composites Part B: Engineering</i> , 2020 , 200, 108263	10	51
236	Flexible Poly(vinyl alcohol)/Polyaniline Hydrogel Film with Vertically Aligned Channels for an Integrated and Self-Healable Supercapacitor. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9408-9416	6.1	21
235	Vertically aligned reduced graphene oxide/Ti ₃ C ₂ T _x MXene hybrid hydrogel for highly efficient solar steam generation. <i>Nano Research</i> , 2020 , 13, 3048-3056	10	59
234	Freestanding NaVO(PO) ₄ /Graphene Aerogels as High-Performance Cathodes of Sodium-Ion Full Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41419-41428	9.5	9
233	Preforming abundant surface cobalt hydroxyl groups on low crystalline flowerlike Co ₃ (Si ₂ O ₅) ₂ (OH) ₂ for enhancing catalytic degradation performances with a critical nonradical reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118238	21.8	50
232	Continuous photocatalytic removal of chromium (VI) with structurally stable and porous Ag/Ag ₃ PO ₄ /reduced graphene oxide microspheres. <i>Chemical Engineering Journal</i> , 2020 , 379, 122200	14.7	24
231	Compressible, durable and conductive polydimethylsiloxane-coated MXene foams for high-performance electromagnetic interference shielding. <i>Chemical Engineering Journal</i> , 2020 , 381, 122622	14.7	157
230	3D Lamellar-Structured Graphene Aerogels for Thermal Interface Composites with High Through-Plane Thermal Conductivity and Fracture Toughness. <i>Nano-Micro Letters</i> , 2020 , 13, 22	19.5	41

229	Self-Assembly of MXene-Surfactants at Liquid-Liquid Interfaces: From Structured Liquids to 3D Aerogels. <i>Angewandte Chemie</i> , 2019 , 131, 18339-18344	3.6	8
228	Self-Assembly of MXene-Surfactants at Liquid-Liquid Interfaces: From Structured Liquids to 3D Aerogels. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18171-18176	16.4	95
227	Freestanding cellulose paper-derived carbon/Fe/Fe ₃ C with enhanced electrochemical kinetics for high-performance lithium-sulfur batteries. <i>Carbon</i> , 2019 , 155, 353-360	10.4	26
226	Hollow-structured MXene-PDMS composites as flexible, wearable and highly bendable sensors with wide working range. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 751-758	9.3	55
225	Lightweight Fe@C hollow microspheres with tunable cavity for broadband microwave absorption. <i>Composites Part B: Engineering</i> , 2019 , 177, 107346	10	52
224	Expanding the Light Harvesting of CsPbI ₃ to Near Infrared by Integrating with Organic Bulk Heterojunction for Efficient and Stable Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37991-37998	9.5	15
223	Na ₂ Ti ₃ O ₇ nanowires with TiO ₂ and N-doped carbon dual-shells as binder-free electrodes for efficient sodium storage. <i>Electrochimica Acta</i> , 2019 , 321, 134714	6.7	7
222	Highly sensitive, reliable and flexible piezoresistive pressure sensors featuring polyurethane sponge coated with MXene sheets. <i>Journal of Colloid and Interface Science</i> , 2019 , 542, 54-62	9.3	134
221	Reduced graphene oxide/carbon nanotube hybrid fibers with narrowly distributed mesopores for flexible supercapacitors with high volumetric capacitances and satisfactory durability. <i>Carbon</i> , 2019 , 152, 134-143	10.4	59
220	Silver Phosphate/Graphene Oxide Aerogel Microspheres with Radially Oriented Microchannels for Highly Efficient and Continuous Removal of Pollutants from Wastewaters. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11228-11240	8.3	16
219	Nanolayered Hybrids Derived from Metal-Organic Frameworks for Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2325-2335	5.6	59
218	Fabrication of carboxymethyl cellulose and graphene oxide bio-nanocomposites for flexible nonvolatile resistive switching memory devices. <i>Carbohydrate Polymers</i> , 2019 , 214, 213-220	10.3	38
217	Effects of Graphene Quality on Lithium Storage Performances of Fe ₃ O ₄ /Thermally Reduced Graphene Oxide Hybrid Anodes. <i>ChemElectroChem</i> , 2019 , 6, 1853-1860	4.3	12
216	Anisotropic CoFeO@Graphene Hybrid Aerogels with High Flux and Excellent Stability as Building Blocks for Rapid Catalytic Degradation of Organic Contaminants in a Flow-Type Setup. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 34222-34231	9.5	25
215	Cobalt Hydroxide Carbonate/Reduced Graphene Oxide Anodes Enabled by a Confined Step-by-Step Electrochemical Catalytic Conversion Process for High Lithium Storage Capacity and Excellent Cyclability with a Low Variance Coefficient. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33091-33101	9.5	12
214	Flexible, stretchable and electrically conductive MXene/natural rubber nanocomposite films for efficient electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2019 , 182, 107754	8.6	108
213	Flexible and Multifunctional Silk Textiles with Biomimetic Leaf-Like MXene/Silver Nanowire Nanostructures for Electromagnetic Interference Shielding, Humidity Monitoring, and Self-Derived Hydrophobicity. <i>Advanced Functional Materials</i> , 2019 , 29, 1905197	15.6	284
212	In Situ Growth of Hierarchical Ni-Mn-O Solid Solution on a Flexible and Porous Ni Electrode for High-Performance All-Solid-State Asymmetric Supercapacitors. <i>Chemistry - A European Journal</i> , 2019 , 25, 15131-15140	4.8	10

211	Controllable synthesis of hollow microspheres with Fe@Carbon dual-shells for broad bandwidth microwave absorption. <i>Carbon</i> , 2019 , 147, 172-181	10.4	82
210	Multifunctional and Water-Resistant MXene-Decorated Polyester Textiles with Outstanding Electromagnetic Interference Shielding and Joule Heating Performances. <i>Advanced Functional Materials</i> , 2019 , 29, 1806819	15.6	350
209	A High-Performance Dual-Ion Battery Enabled by Conversion-Type Manganese Silicate Anodes with Enhanced Ion Accessibility. <i>ChemElectroChem</i> , 2019 , 6, 1040-1046	4.3	9
208	High-quality graphene aerogels for thermally conductive phase change composites with excellent shape stability. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5880-5886	13	96
207	Robust binder-free anodes assembled with ultralong mischcrystal TiO ₂ nanowires and reduced graphene oxide for high-rate and long cycle life lithium-ion storage. <i>Journal of Power Sources</i> , 2018 , 383, 115-123	8.9	8
206	Porous Graphene Films with Unprecedented Elastomeric Scaffold-Like Folding Behavior for Foldable Energy Storage Devices. <i>Advanced Materials</i> , 2018 , 30, e1707025	24	84
205	Simultaneous enhancements in electrical conductivity and toughness of selectively foamed polycarbonate/polystyrene/carbon nanotube microcellular foams. <i>Composites Part B: Engineering</i> , 2018 , 143, 161-167	10	34
204	Superelastic and multifunctional graphene-based aerogels by interfacial reinforcement with graphitized carbon at high temperatures. <i>Carbon</i> , 2018 , 132, 95-103	10.4	84
203	Rapidly Responsive and Flexible Chiral Nematic Cellulose Nanocrystal Composites as Multifunctional Rewritable Photonic Papers with Eco-Friendly Inks. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 5918-5925	9.5	71
202	Graphene-based Janus film with improved sensitive response capacity for smart actuators. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 421-429	8.5	17
201	Vertically Aligned High-Quality Graphene Foams for Anisotropically Conductive Polymer Composites with Ultrahigh Through-Plane Thermal Conductivities. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17383-17392	9.5	124
200	Highly anisotropic graphene/boron nitride hybrid aerogels with long-range ordered architecture and moderate density for highly thermally conductive composites. <i>Carbon</i> , 2018 , 126, 119-127	10.4	140
199	Efficient Photocatalytic Reduction Approach for Synthesizing Chemically Bonded N-Doped TiO ₂ /Reduced Graphene Oxide Hybrid as a Freestanding Electrode for High-Performance Lithium Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4186-4195	6.1	9
198	One-Step Self-Assembly for Fabricating Asymmetric Particle Arrays and Templates for Bifunctional Systems. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3800-3806	5.6	0
197	Neuron-Inspired FeO/Conductive Carbon Filament Network for High-Speed and Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17923-17932	9.5	29
196	FeO Nanodisk/Bacterial Cellulose Hybrid Membranes as High-Performance Sulfate-Radical-Based Visible Light Photocatalysts under Stirring/Flowing States. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30670-30679	9.5	32
195	Multifunctional, Superelastic, and Lightweight MXene/Polyimide Aerogels. <i>Small</i> , 2018 , 14, e1802479	11	246
194	Thermally Conductive Phase Change Composites Featuring Anisotropic Graphene Aerogels for Real-Time and Fast-Charging Solar-Thermal Energy Conversion. <i>Advanced Functional Materials</i> , 2018 , 28, 1805365	15.6	154

193	Highly Electrically Conductive Three-Dimensional TiCT MXene/Reduced Graphene Oxide Hybrid Aerogels with Excellent Electromagnetic Interference Shielding Performances. <i>ACS Nano</i> , 2018 , 12, 11193-11202	16.7	409
192	Dual-Carbon-Confined Fe S Anodes with Enhanced Electrochemical Catalytic Conversion Process for Ultralong Lithium Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 17339-17344	4.8	28
191	Vertically aligned, ultralight and highly compressive all-graphitized graphene aerogels for highly thermally conductive polymer composites. <i>Carbon</i> , 2018 , 140, 624-633	10.4	78
190	Enhanced lithium storage performances of novel layered nickel germanate anodes inspired by the spatial arrangement of lotus leaves. <i>Nanoscale</i> , 2018 , 10, 10963-10970	7.7	10
189	AFM nanomechanical mapping and nanothermal analysis reveal enhanced crystallization at the surface of a semicrystalline polymer. <i>Polymer</i> , 2018 , 146, 188-195	3.9	15
188	Sb Nanoparticles Embedded in a Nitrogen-Doped Carbon Matrix with Tuned Voids and Interfacial Bonds for High-Rate Lithium Storage. <i>ChemElectroChem</i> , 2018 , 5, 2653-2659	4.3	10
187	Silver Nanotube Nanocomposites for Enhanced Visible Light Photodegradation Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3641-3649	8.3	26
186	Simultaneous Enhancements in Toughness and Electrical Conductivity of Polypropylene/Carbon Nanotube Nanocomposites by Incorporation of Electrically Inert Calcium Carbonate Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 2783-2788	3.9	19
185	Highly Efficient High-Pressure Homogenization Approach for Scalable Production of High-Quality Graphene Sheets and Sandwich-Structured FeO/Graphene Hybrids for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11025-11034	9.5	50
184	A flexible transparent colorimetric wrist strap sensor. <i>Nanoscale</i> , 2017 , 9, 869-874	7.7	81
183	Hierarchical Porous Graphene/Ni Foam Composite with High Performances in Energy Storage Prepared by Flame Reduction of Graphene Oxide. <i>ChemElectroChem</i> , 2017 , 4, 2243-2249	4.3	9
182	Graphene Oxide/Chitosan Aerogel Microspheres with Honeycomb-Cobweb and Radially Oriented Microchannel Structures for Broad-Spectrum and Rapid Adsorption of Water Contaminants. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21809-21819	9.5	196
181	Poly(lactic Acid) Nanofiber Scaffold Decorated with Chitosan Islandlike Topography for Bone Tissue Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21094-21104	9.5	98
180	One-Pot Sintering Strategy for Efficient Fabrication of High-Performance and Multifunctional Graphene Foams. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13323-13330	9.5	30
179	Graphene-coated ZnO tetrapod whiskers for thermally and electrically conductive epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 94, 104-112	8.4	38
178	Highly Conductive Transition Metal Carbide/Carbonitride(MXene)@polystyrene Nanocomposites Fabricated by Electrostatic Assembly for Highly Efficient Electromagnetic Interference Shielding. <i>Advanced Functional Materials</i> , 2017 , 27, 1702807	15.6	407
177	Phenolic resin-enhanced three-dimensional graphene aerogels and their epoxy nanocomposites with high mechanical and electromagnetic interference shielding performances. <i>Composites Science and Technology</i> , 2017 , 152, 254-262	8.6	80
176	Tetrahedral Silver Phosphate/Graphene Oxide Hybrids as Highly Efficient Visible Light Photocatalysts with Excellent Cyclic Stability. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25172-25179	3.8	23

175	One-pot synthesis of bismuth silicate heterostructures with tunable morphology and excellent visible light photodegradation performances. <i>Journal of Colloid and Interface Science</i> , 2017 , 506, 255-262 ^{9.3}	16
174	Fiber-reinforced three-dimensional graphene aerogels for electrically conductive epoxy composites with enhanced mechanical properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1384-1390 ¹¹	
173	Hydrophobic, Flexible, and Lightweight MXene Foams for High-Performance Electromagnetic-Interference Shielding. <i>Advanced Materials</i> , 2017 , 29, 1702367	24 903
172	Magnetic, electrically conductive and lightweight graphene/iron pentacarbonyl porous films enhanced with chitosan for highly efficient broadband electromagnetic interference shielding. <i>Composites Science and Technology</i> , 2017 , 151, 71-78	8.6 38
171	High Lithium Storage Capacity and Long Cycling Life FeS Anodes with Reversible Solid Electrolyte Interface Films and Sandwiched Reduced Graphene Oxide Shells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41878-41886	9.5 30
170	Fabrication of PAN@TiO ₂ /Ag nanofibrous membrane with high visible light response and satisfactory recyclability for dye photocatalytic degradation. <i>Applied Surface Science</i> , 2017 , 426, 622-629 ^{6.7}	56
169	Influence of Polymer-Clay Interfacial Interactions on the Ignition Time of Polymer/Clay Nanocomposites. <i>Materials</i> , 2017 , 10,	3.5 6
168	Flame Retardancy. <i>Engineering Materials and Processes</i> , 2016 , 185-206	
167	Thermally Annealed Anisotropic Graphene Aerogels and Their Electrically Conductive Epoxy Composites with Excellent Electromagnetic Interference Shielding Efficiencies. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33230-33239	9.5 198
166	Decoration of defect-free graphene nanoplatelets with alumina for thermally conductive and electrically insulating epoxy composites. <i>Composites Science and Technology</i> , 2016 , 137, 16-23	8.6 89
165	Air-dried, high-density graphene hybrid aerogels for phase change composites with exceptional thermal conductivity and shape stability. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 18067-18074	13 121
164	K Mn O /Reduced Graphene Oxide Nanocomposites for Excellent Lithium Storage and Adsorption of Lead Ions. <i>Chemistry - A European Journal</i> , 2016 , 22, 3397-3404	4.8 10
163	Enhanced thermal conductivity and satisfactory flame retardancy of epoxy/alumina composites by combination with graphene nanoplatelets and magnesium hydroxide. <i>Composites Part B: Engineering</i> , 2016 , 98, 134-140	10 96
162	Polymer Nanocomposites. <i>Engineering Materials and Processes</i> , 2016 ,	7
161	Highly compressible anisotropic graphene aerogels fabricated by directional freezing for efficient absorption of organic liquids. <i>Carbon</i> , 2016 , 100, 456-464	10.4 185
160	Supercritical carbon dioxide fluid assisted synthesis of hierarchical ALOOH@reduced graphene oxide hybrids for efficient removal of fluoride ions. <i>Chemical Engineering Journal</i> , 2016 , 292, 174-182	14.7 25
159	Direct Reduction of Graphene Oxide by Ni Foam as a High-Capacitance Supercapacitor Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2297-305	9.5 63
158	Cellulose/graphene aerogel supported phase change composites with high thermal conductivity and good shape stability for thermal energy storage. <i>Carbon</i> , 2016 , 98, 50-57	10.4 300

157 Microstructural Characterization. *Engineering Materials and Processes*, **2016**, 69-101

156 Functional Properties. *Engineering Materials and Processes*, **2016**, 227-261

155 Applications and Outlook. *Engineering Materials and Processes*, **2016**, 279-297

154 Thermal Properties. *Engineering Materials and Processes*, **2016**, 161-184

153 Nanoparticles. *Engineering Materials and Processes*, **2016**, 5-33

152 Processing. *Engineering Materials and Processes*, **2016**, 35-67

151 High-Performance Epoxy Nanocomposites Reinforced with Three-Dimensional Carbon Nanotube Sponge for Electromagnetic Interference Shielding. *Advanced Functional Materials*, **2016**, 26, 447-455 15.6 470

150 Wear/Scratch Damage. *Engineering Materials and Processes*, **2016**, 207-226

149 Influence of metal ions on thermo-oxidative stability and combustion response of polyamide 6/clay nanocomposites. *Polymer*, **2016**, 92, 102-113 3.9 26

148 In situ reduction of iron oxide with graphene for convenient synthesis of various graphene hybrids. *Carbon*, **2016**, 107, 138-145 10.4 12

147 Hierarchical graphene-polyaniline nanocomposite films for high-performance flexible electronic gas sensors. *Nanoscale*, **2016**, 8, 12073-80 7.7 106

146 Hollow Manganese Silicate Nanotubes with Tunable Secondary Nanostructures as Excellent Fenton-Type Catalysts for Dye Decomposition at Ambient Temperature. *Advanced Functional Materials*, **2016**, 26, 7334-7342 15.6 81

145 Fabrication of a compressible PU@RGO@MnO₂ hybrid sponge for efficient removal of methylene blue with an excellent recyclability. *RSC Advances*, **2016**, 6, 88897-88903 3.7 12

144 Introduction: Toward Multi-functionality. *Engineering Materials and Processes*, **2016**, 1-4 2

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