

Xingtao Xu

List of Publications by Year in descending order

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118
papers

10,746
citations

16411

64
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32761

100
g-index

118
all docs

118
docs citations

118
times ranked

6777
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Nanoarchitectonics of Metal-Organic Frameworks for Capacitive Deionization via Controlled Pyrolyzed Approaches. <i>Small</i> , 2022, 18, e2102477. | 5.2 | 35 |
| 2 | Flexible organohydrogel ionic skin with Ultra-Low temperature freezing resistance and Ultra-Durable moisture retention. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 396-404. | 5.0 | 37 |
| 3 | Gram-Scale production of Cu ₃ P-Cu ₂ O Janus nanoparticles into nitrogen and phosphorous doped porous carbon framework as bifunctional electrocatalysts for overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 427, 130946. | 6.6 | 88 |
| 4 | Insights into the storage mechanism of 3D nanoflower-like V ₃ S ₄ anode in sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 130936. | 6.6 | 67 |
| 5 | Nanoarchitectonics from 2D to 3D: MXenes-derived nitrogen-doped 3D nanofibrous architecture for extraordinarily-fast capacitive deionization. <i>Chemical Engineering Journal</i> , 2022, 430, 133161. | 6.6 | 109 |
| 6 | Eliminating tetracycline antibiotics matrix via photoactivated sulfate radical-based advanced oxidation process over the immobilized MIL-88A: Batch and continuous experiments. <i>Chemical Engineering Journal</i> , 2022, 431, 133213. | 6.6 | 39 |
| 7 | Ferroferric oxide@titanium carbide MXene heterostructure with enhanced sodium storage ability for efficient hybrid capacitive deionization. <i>Desalination</i> , 2022, 522, 115420. | 4.0 | 58 |
| 8 | Borophene: Two-dimensional Boron Monolayer: Synthesis, Properties, and Potential Applications. <i>Chemical Reviews</i> , 2022, 122, 1000-1051. | 23.0 | 106 |
| 9 | Chloride pre-intercalated CoFe-layered double hydroxide as chloride ion capturing electrode for capacitive deionization. <i>Chemical Engineering Journal</i> , 2022, 433, 133578. | 6.6 | 35 |
| 10 | Nanoarchitectonics of low-dimensional metal-organic frameworks toward photo/electrochemical CO ₂ reduction reactions. <i>Journal of CO₂ Utilization</i> , 2022, 57, 101883. | 3.3 | 36 |
| 11 | Nanosized Rh grown on single-walled carbon nanohorns for efficient methanol oxidation reaction. <i>Rare Metals</i> , 2022, 41, 2108-2117. | 3.6 | 64 |
| 12 | Tailoring the Structure of Chitosan-Based Porous Carbon Nanofiber Architectures toward Efficient Capacitive Charge Storage and Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4004-4021. | 4.0 | 31 |
| 13 | Cu-based MOF-derived architecture with Cu/Cu ₂ O nanospheres anchored on porous carbon nanosheets for efficient capacitive deionization. <i>Environmental Research</i> , 2022, 210, 112909. | 3.7 | 11 |
| 14 | Prussian blue analogue derived cobalt-nickel phosphide/carbon nanotube composite as electrocatalyst for efficient and stable hydrogen evolution reaction in wide-pH environment. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 210-220. | 5.0 | 49 |
| 15 | Ultra-durable and highly-efficient hybrid capacitive deionization by MXene confined MoS ₂ heterostructure. <i>Desalination</i> , 2022, 528, 115616. | 4.0 | 69 |
| 16 | MoS ₂ nanosheets with expanded interlayer spacing for ultra-stable aqueous Mg-ion hybrid supercapacitor. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1666-1673. | 3.0 | 16 |
| 17 | Heterointerface optimization in a covalent organic framework-on-MXene for high-performance capacitive deionization of oxygenated saline water. <i>Materials Horizons</i> , 2022, 9, 1708-1716. | 6.4 | 82 |
| 18 | N-doped carbon@Cu core-shell nanostructure with nearly full solar spectrum absorption and enhanced solar evaporation efficiency. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9575-9581. | 5.2 | 37 |

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|----|---|------|-----------|
| 19 | MXene Nanoarchitectonics: Defect-Engineered 2D MXenes towards Enhanced Electrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2022, 12, . | 10.2 | 125 |
| 20 | Nanoarchitectonics of MXene/semiconductor heterojunctions toward artificial photosynthesis via photocatalytic CO ₂ reduction. <i>Coordination Chemistry Reviews</i> , 2022, 459, 214440. | 9.5 | 97 |
| 21 | MOF-on-MOF nanoarchitectures for selectively functionalized nitrogen-doped carbon-graphitic carbon/carbon nanotubes heterostructure with high capacitive deionization performance. <i>Nano Energy</i> , 2022, 97, 107146. | 8.2 | 106 |
| 22 | Polyaniline coated MOF-derived Mn ₂ O ₃ nanorods for efficient hybrid capacitive deionization. <i>Environmental Research</i> , 2022, 212, 113331. | 3.7 | 16 |
| 23 | In situ constructed Ti ₃ C ₂ T _x MXene/polypyrrole composite with enhanced sodium storage capacity for efficient hybrid capacitive deionization. <i>Journal of Polymer Science</i> , 2022, 60, 3035-3042. | 2.0 | 11 |
| 24 | Metal-Organic Framework-Derived Graphene Mesh: a Robust Scaffold for Highly Exposed Fe ₄ Active Sites toward an Excellent Oxygen Reduction Catalyst in Acid Media. <i>Journal of the American Chemical Society</i> , 2022, 144, 9280-9291. | 6.6 | 108 |
| 25 | Multifunctional wearable thermal management textile fabricated by one-step sputtering. <i>Nano Today</i> , 2022, 45, 101526. | 6.2 | 15 |
| 26 | Embedding Metal-Organic Frameworks for the Design of Flexible Hybrid Supercapacitors by Electrospinning: Synthesis of Highly Graphitized Carbon Nanofibers Containing Metal Oxide Nanoparticles. <i>Small Structures</i> , 2022, 3, . | 6.9 | 61 |
| 27 | 1D-2D hybridization: Nanoarchitectonics for grain boundary-rich platinum nanowires coupled with MXene nanosheets as efficient methanol oxidation electrocatalysts. <i>Chemical Engineering Journal</i> , 2022, 450, 137932. | 6.6 | 66 |
| 28 | Ti ₃ C ₂ MXenes-derived NaTi ₂ (PO ₄) ₃ /MXene nanohybrid for fast and efficient hybrid capacitive deionization performance. <i>Chemical Engineering Journal</i> , 2021, 407, 127148. | 6.6 | 140 |
| 29 | Highly efficient water desalination by capacitive deionization on biomass-derived porous carbon nanoflakes. <i>Separation and Purification Technology</i> , 2021, 256, 117771. | 3.9 | 106 |
| 30 | Sorghum biomass-derived porous carbon electrodes for capacitive deionization and energy storage. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110757. | 2.2 | 63 |
| 31 | Graphene-carbon 2D heterostructures with hierarchically-porous P,N-doped layered architecture for capacitive deionization. <i>Chemical Science</i> , 2021, 12, 10334-10340. | 3.7 | 146 |
| 32 | Core-Shell MOF@COF Motif Hybridization: Selectively Functionalized Precursors for Titanium Dioxide Nanoparticle-Embedded Nitrogen-Rich Carbon Architectures with Superior Capacitive Deionization Performance. <i>Chemistry of Materials</i> , 2021, 33, 1657-1666. | 3.2 | 121 |
| 33 | Nanoengineering Metal-Organic Framework-Based Materials for Use in Electrochemical CO ₂ Reduction Reactions. <i>Small</i> , 2021, 17, e2006590. | 5.2 | 127 |
| 34 | In-situ construction of g-C ₃ N ₄ /Mo ₂ CT _x hybrid for superior lithium storage with significantly improved Coulombic efficiency and cycling stability. <i>Chemical Engineering Journal</i> , 2021, 410, 128349. | 6.6 | 105 |
| 35 | Nitrogenization of Biomass-Derived Porous Carbon Microtubes Promotes Capacitive Deionization Performance. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1645-1650. | 2.0 | 19 |
| 36 | Effect of the cavitation generation unit structure on the performance of an advanced hydrodynamic cavitation reactor for process intensifications. <i>Chemical Engineering Journal</i> , 2021, 412, 128600. | 6.6 | 92 |

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|----|---|-----|-----------|
| 37 | Light-conversion phosphor nanoarchitectonics for improved light harvesting in sensitized solar cells. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2021, 47, 100404. | 5.6 | 29 |
| 38 | Solar-Powered Sustainable Water Production: State-of-the-Art Technologies for Sunlightâ€“Energyâ€“Water Nexus. <i>ACS Nano</i> , 2021, 15, 12535-12566. | 7.3 | 220 |
| 39 | Ultrafine self-N-doped porous carbon nanofibers with hierarchical pore structure utilizing a biobased chitosan precursor. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 445-454. | 3.6 | 12 |
| 40 | Direct Z-scheme CuInS ₂ /Bi ₂ MoO ₆ heterostructure for enhanced photocatalytic degradation of tetracycline under visible light. <i>Journal of Hazardous Materials</i> , 2021, 415, 125591. | 6.5 | 130 |
| 41 | KOH-Activated Hollow ZIF-8 Derived Porous Carbon: Nanoarchitected Control for Upgraded Capacitive Deionization and Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 52034-52043. | 4.0 | 149 |
| 42 | Programmed design of selectively-functionalized wood aerogel: Affordable and mildew-resistant solar-driven evaporator. <i>Nano Energy</i> , 2021, 87, 106146. | 8.2 | 77 |
| 43 | Recent Advances in Faradic Electrochemical Deionization: System Architectures <i>versus</i> Electrode Materials. <i>ACS Nano</i> , 2021, 15, 13924-13942. | 7.3 | 102 |
| 44 | Highly efficient photocatalytic degradation of different hazardous contaminants by CaIn ₂ S ₄ -Ti ₃ C ₂ T _x Schottky heterojunction: An experimental and mechanism study. <i>Chemical Engineering Journal</i> , 2021, 421, 127838. | 6.6 | 138 |
| 45 | Enhanced energy storage of aqueous zinc-carbon hybrid supercapacitors via employing alkaline medium and B, N dual doped carbon cathode. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 556-565. | 5.0 | 26 |
| 46 | Controlled synthesis of NaTi ₂ (PO ₄) ₃ /Carbon composite derived from Metal-organic-frameworks as highly-efficient electrodes for hybrid capacitive deionization. <i>Separation and Purification Technology</i> , 2021, 278, 119565. | 3.9 | 46 |
| 47 | Ultra-durable, multi-template molecularly imprinted polymers for ultrasensitive monitoring and multicomponent quantification of trace sulfa antibiotics. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3192-3199. | 2.9 | 18 |
| 48 | Carbon-incorporated Fe ₃ O ₄ nanoflakes: high-performance faradaic materials for hybrid capacitive deionization and supercapacitors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3480-3488. | 3.2 | 147 |
| 49 | One-dimensional coreâ€“shell motif nanowires with chemically-bonded transition metal sulfide-carbon heterostructures for efficient sodium-ion storage. <i>Chemical Science</i> , 2021, 12, 15054-15060. | 3.7 | 23 |
| 50 | Twoâ€“Dimensional MXeneâ€“Polymer Heterostructure with Ordered Inâ€“Plane Mesochannels for Highâ€“Performance Capacitive Deionization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26528-26534. | 7.2 | 147 |
| 51 | Twoâ€“Dimensional MXeneâ€“Polymer Heterostructure with Ordered Inâ€“Plane Mesochannels for Highâ€“Performance Capacitive Deionization. <i>Angewandte Chemie</i> , 2021, 133, 26732-26738. | 1.6 | 35 |
| 52 | Nanopatterned metalâ€“organic framework electrodes with improved capacitive deionization properties for highly efficient water desalination. <i>Separation and Purification Technology</i> , 2020, 234, 116124. | 3.9 | 32 |
| 53 | Thermal conversion of polypyrrole nanotubes to nitrogen-doped carbon nanotubes for efficient water desalination using membrane capacitive deionization. <i>Separation and Purification Technology</i> , 2020, 235, 116196. | 3.9 | 45 |
| 54 | Enhanced sodium storage property of sodium vanadium phosphate via simultaneous carbon coating and Nb ⁵⁺ doping. <i>Chemical Engineering Journal</i> , 2020, 386, 123953. | 6.6 | 59 |

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|----|---|------|-----------|
| 55 | Nitrogen-doped nanostructured carbons: A new material horizon for water desalination by capacitive deionization. <i>EnergyChem</i> , 2020, 2, 100043. | 10.1 | 73 |
| 56 | Modification of Metal-Organic Framework-Derived Nanocarbons for Enhanced Capacitive Deionization Performance: A Mini-Review. <i>Frontiers in Chemistry</i> , 2020, 8, 575350. | 1.8 | 11 |
| 57 | High-Performance Capacitive Deionization by Lignocellulose-Derived Eco-Friendly Porous Carbon Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1014-1019. | 2.0 | 25 |
| 58 | Magnetic-Electrospinning Synthesis of $\text{Fe}_3\text{-Fe}_2\text{O}_3$ Nanoparticle-Embedded Flexible Nanofibrous Films for Electromagnetic Shielding. <i>Polymers</i> , 2020, 12, 695. | 2.0 | 15 |
| 59 | Novel Interlayer on the Separator with the Cr_3C_2 Compound as a Robust Polysulfide Anchor for Lithium-Sulfur Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7538-7545. | 1.8 | 16 |
| 60 | Assembling well-arranged covalent organic frameworks on MOF-derived graphitic carbon for remarkable formaldehyde sensing. <i>Nanoscale</i> , 2020, 12, 15611-15619. | 2.8 | 78 |
| 61 | Ultrahigh capacitive deionization performance by 3D interconnected MOF-derived nitrogen-doped carbon tubes. <i>Chemical Engineering Journal</i> , 2020, 390, 124493. | 6.6 | 191 |
| 62 | Synthesis of Multiple-Twinned Pd Nanoparticles Anchored on Graphitic Carbon Nanosheets for Use as Highly-Active Multifunctional Electrocatalyst in Formic Acid and Methanol Oxidation Reactions. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000142. | 1.9 | 24 |
| 63 | Core-shell motif construction: Highly graphitic nitrogen-doped porous carbon electrocatalysts using MOF-derived carbon@COF heterostructures as sacrificial templates. <i>Chemical Engineering Journal</i> , 2020, 396, 125154. | 6.6 | 223 |
| 64 | Flexible nitrogen-doped carbon heteroarchitecture derived from ZIF-8/ZIF-67 hybrid coating on cotton biomass waste with high supercapacitive properties. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110257. | 2.2 | 43 |
| 65 | Phosphorus- and Nitrogen-Doped Carbon Nanosheets Constructed with Monolayered Mesoporous Architectures. <i>Chemistry of Materials</i> , 2020, 32, 4248-4256. | 3.2 | 41 |
| 66 | Super-stretchable, elastic and recoverable ionic conductive hydrogel for wireless wearable, stretchable sensor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10291-10300. | 5.2 | 130 |
| 67 | Unprecedented capacitive deionization performance of interconnected iron-nitrogen-doped carbon tubes in oxygenated saline water. <i>Materials Horizons</i> , 2020, 7, 1404-1412. | 6.4 | 199 |
| 68 | Three-Dimensional Nanoarchitecture of Carbon Nanotube-Interwoven Metal-Organic Frameworks for Capacitive Deionization of Saline Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13949-13954. | 3.2 | 88 |
| 69 | Significantly improved stability of hybrid capacitive deionization using nickel hexacyanoferrate/reduced graphene oxide cathode at low voltage operation. <i>Desalination</i> , 2019, 468, 114078. | 4.0 | 112 |
| 70 | Enhanced cycling stability of capacitive deionization via effectively inhibiting H_2O_2 formation: The role of nitrogen dopants. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113488. | 1.9 | 15 |
| 71 | Graphene Nanoarchitectonics: Recent Advances in Graphene-Based Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2019, 31, e1903415. | 11.1 | 289 |
| 72 | Nanoarchitected metal-organic framework/polypyrrole hybrids for brackish water desalination using capacitive deionization. <i>Materials Horizons</i> , 2019, 6, 1433-1437. | 6.4 | 241 |

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|----|--|-----|-----------|
| 73 | Extraordinary capacitive deionization performance of highly-ordered mesoporous carbon nano-polyhedra for brackish water desalination. <i>Environmental Science: Nano</i> , 2019, 6, 981-989. | 2.2 | 150 |
| 74 | Capacitive deionization using nitrogen-doped mesostructured carbons for highly efficient brackish water desalination. <i>Chemical Engineering Journal</i> , 2019, 362, 887-896. | 6.6 | 234 |
| 75 | Micro-/mesoporous carbon nanofibers embedded with ordered carbon for flexible supercapacitors. <i>Electrochimica Acta</i> , 2018, 271, 591-598. | 2.6 | 70 |
| 76 | Phosphorus-doped 3D carbon nanofiber aerogels derived from bacterial-cellulose for highly-efficient capacitive deionization. <i>Carbon</i> , 2018, 130, 377-383. | 5.4 | 224 |
| 77 | Synergistic conversion and removal of total Cr from aqueous solution by photocatalysis and capacitive deionization. <i>Chemical Engineering Journal</i> , 2018, 337, 398-404. | 6.6 | 79 |
| 78 | Assembly of Hollow Carbon Nanospheres on Graphene Nanosheets and Creation of Iron-Nitrogen-Doped Porous Carbon for Oxygen Reduction. <i>ACS Nano</i> , 2018, 12, 5674-5683. | 7.3 | 277 |
| 79 | Design of pomegranate-like clusters with NiS ₂ nanoparticles anchored on nitrogen-doped porous carbon for improved sodium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6595-6605. | 5.2 | 159 |
| 80 | Self-assembled 3D flower-like Fe ₃ O ₄ /C architecture with superior lithium ion storage performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24940-24948. | 5.2 | 88 |
| 81 | Facile dual doping strategy <i>via</i> carbonization of covalent organic frameworks to prepare hierarchically porous carbon spheres for membrane capacitive deionization. <i>Chemical Communications</i> , 2018, 54, 14009-14012. | 2.2 | 74 |
| 82 | Selection of Carbon Electrode Materials. <i>Interface Science and Technology</i> , 2018, , 65-83. | 1.6 | 12 |
| 83 | Sub-50 nm Iron-Nitrogen-Doped Hollow Carbon Sphere-Encapsulated Iron Carbide Nanoparticles as Efficient Oxygen Reduction Catalysts. <i>Advanced Science</i> , 2018, 5, 1800120. | 5.6 | 187 |
| 84 | Controlled synthesis of mesoporous nitrogen-doped carbons with highly ordered two-dimensional hexagonal mesostructures and their chemical activation. <i>Nanoscale</i> , 2018, 10, 12398-12406. | 2.8 | 32 |
| 85 | Enhanced desalination performance of anion-exchange membrane capacitive deionization via effectively utilizing cathode oxidation. <i>Desalination</i> , 2018, 443, 221-227. | 4.0 | 35 |
| 86 | Nitrogen-doped carbon spheres: A new high-energy-density and long-life pseudo-capacitive electrode material for electrochemical flow capacitor. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 161-166. | 5.0 | 20 |
| 87 | Response to Comment on "Ultra-high Desalination Performance of Asymmetric Flow-Electrode Capacitive Deionization Device with an Improved Operation Voltage of 1.8 V". <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2037-2038. | 3.2 | 0 |
| 88 | Three-Dimensional Networked Metal-Organic Frameworks with Conductive Polypyrrole Tubes for Flexible Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38737-38744. | 4.0 | 364 |
| 89 | High performance capacitive deionization electrodes based on ultrathin nitrogen-doped carbon/graphene nano-sandwiches. <i>Chemical Communications</i> , 2017, 53, 10784-10787. | 2.2 | 105 |
| 90 | Carbon-incorporated Janus-type Ni ₂ P/Ni hollow spheres for high performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19054-19061. | 5.2 | 183 |

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|-----|--|-----|-----------|
| 91 | Novel cake-like N-doped anatase/rutile mixed phase TiO ₂ derived from metal-organic frameworks for visible light photocatalysis. <i>Ceramics International</i> , 2017, 43, 835-840. | 2.3 | 54 |
| 92 | Ultrahigh Desalinization Performance of Asymmetric Flow-Electrode Capacitive Deionization Device with an Improved Operation Voltage of 1.8 V. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 189-195. | 3.2 | 70 |
| 93 | Metal-organic frameworks derived cake-like anatase/rutile mixed phase TiO ₂ for highly efficient photocatalysis. <i>Journal of Alloys and Compounds</i> , 2017, 690, 640-646. | 2.8 | 71 |
| 94 | Shuttle-like Porous Carbon Rods from Carbonized Metal-Organic Frameworks for High-Performance Capacitive Deionization. <i>ChemElectroChem</i> , 2016, 3, 993-998. | 1.7 | 30 |
| 95 | Reduced graphene oxide/carbon nanotubes sponge: A new high capacity and long life anode material for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016, 316, 132-138. | 4.0 | 69 |
| 96 | Sn doped TiO ₂ nanotube with oxygen vacancy for highly efficient visible light photocatalysis. <i>Journal of Alloys and Compounds</i> , 2016, 679, 454-462. | 2.8 | 75 |
| 97 | Carbon spheres with hierarchical micro/mesopores for water desalination by capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16094-16100. | 5.2 | 56 |
| 98 | From metal-organic frameworks to porous carbons: A promising strategy to prepare high-performance electrode materials for capacitive deionization. <i>Carbon</i> , 2016, 108, 433-439. | 5.4 | 104 |
| 99 | Capacitive neutralization deionization with flow electrodes. <i>Electrochimica Acta</i> , 2016, 216, 211-218. | 2.6 | 34 |
| 100 | In situ construction of carbon nanotubes/nitrogen-doped carbon polyhedra hybrids for supercapacitors. <i>Energy Storage Materials</i> , 2016, 5, 132-138. | 9.5 | 76 |
| 101 | Design and fabrication of mesoporous graphene via carbothermal reaction for highly efficient capacitive deionization. <i>Electrochimica Acta</i> , 2016, 188, 406-413. | 2.6 | 68 |
| 102 | Hierarchical hybrids with microporous carbon spheres decorated three-dimensional graphene frameworks for capacitive applications in supercapacitor and deionization. <i>Electrochimica Acta</i> , 2016, 193, 88-95. | 2.6 | 285 |
| 103 | Metal-organic framework-engaged formation of a hierarchical hybrid with carbon nanotube inserted porous carbon polyhedra for highly efficient capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5467-5473. | 5.2 | 117 |
| 104 | Rational design and fabrication of graphene/carbon nanotubes hybrid sponge for high-performance capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13418-13425. | 5.2 | 90 |
| 105 | Facile synthesis of novel graphene sponge for high performance capacitive deionization. <i>Scientific Reports</i> , 2015, 5, 8458. | 1.6 | 174 |
| 106 | Review on carbon-based composite materials for capacitive deionization. <i>RSC Advances</i> , 2015, 5, 15205-15225. | 1.7 | 319 |
| 107 | Enhanced capacitive deionization performance of graphene by nitrogen doping. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 143-150. | 5.0 | 139 |
| 108 | Novel nitrogen doped graphene sponge with ultrahigh capacitive deionization performance. <i>Scientific Reports</i> , 2015, 5, 11225. | 1.6 | 165 |

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|-----|---|-----|-----------|
| 109 | Metal-organic framework-derived porous carbon polyhedra for highly efficient capacitive deionization. <i>Chemical Communications</i> , 2015, 51, 12020-12023. | 2.2 | 196 |
| 110 | Nitrogen-doped carbon nanorods with excellent capacitive deionization ability. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17304-17311. | 5.2 | 73 |
| 111 | Nitrogen-doped electrospun reduced graphene oxide-carbon nanofiber composite for capacitive deionization. <i>RSC Advances</i> , 2015, 5, 34117-34124. | 1.7 | 59 |
| 112 | Porous carbon spheres via microwave-assisted synthesis for capacitive deionization. <i>Electrochimica Acta</i> , 2015, 151, 489-496. | 2.6 | 151 |
| 113 | Enhanced desalination efficiency in modified membrane capacitive deionization by introducing ion-exchange polymers in carbon nanotubes electrodes. <i>Electrochimica Acta</i> , 2014, 130, 619-624. | 2.6 | 118 |
| 114 | Carbon nanorods derived from natural based nanocrystalline cellulose for highly efficient capacitive deionization. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20966-20972. | 5.2 | 24 |
| 115 | Carbon aerogels electrode with reduced graphene oxide additive for capacitive deionization with enhanced performance. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 249. | 3.0 | 55 |
| 116 | Unique self-assembly behavior of a triblock copolymer and fabrication of catalytically active gold nanoparticle/polymer thin films at the liquid/liquid interface. <i>Materials Chemistry and Physics</i> , 2014, 146, 88-98. | 2.0 | 9 |
| 117 | Electrosorption of LiCl in different solvents by carbon nanotube film electrodes. <i>RSC Advances</i> , 2013, 3, 16932. | 1.7 | 5 |
| 118 | Formation of Ag Nanoparticle-Doped Foam-like Polymer Films at the Liquid-Liquid Interface. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11113-11118. | 1.2 | 25 |