

Haoyu Fu

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.

125
papers

12,002
citations

60
h-index

108
g-index

125
ext. papers

13,555
ext. citations

12.4
avg, IF

6.93
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 125 | Interphases, Interfaces, and Surfaces of Active Materials in Rechargeable Batteries and Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e1905245 | 24 | 18 |
| 124 | Enhancing sodium-ion storage performance of MoO ₂ /N-doped carbon through interfacial Mo-N-C bond. <i>Science China Materials</i> , 2021 , 64, 85-95 | 7.1 | 24 |
| 123 | Sodium ion storage performance and mechanism in orthorhombic V ₂ O ₅ single-crystalline nanowires. <i>Science China Materials</i> , 2021 , 64, 557-570 | 7.1 | 13 |
| 122 | Nanostructured manganese dioxide with adjustable Mn ³⁺ /Mn ⁴⁺ ratio for flexible high-energy quasi-solid supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 396, 125342 | 14.7 | 20 |
| 121 | Rational design of the pea-pod structure of SiO _x /C nanofibers as a high-performance anode for lithium ion batteries. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1762-1769 | 6.8 | 11 |
| 120 | In-situ fabrication of P3HT passivating layer with hole extraction ability for enhanced performance of perovskite solar cell. <i>Chemical Engineering Journal</i> , 2020 , 402, 126152 | 14.7 | 18 |
| 119 | Layered ternary metal oxides: Performance degradation mechanisms as cathodes, and design strategies for high-performance batteries. <i>Progress in Materials Science</i> , 2020 , 111, 100655 | 42.2 | 42 |
| 118 | Surface-defect passivation through complexation with organic molecules leads to enhanced power conversion efficiency and long term stability of perovskite photovoltaics. <i>Science China Materials</i> , 2020 , 63, 479-480 | 7.1 | 7 |
| 117 | Controlled crystallinity and morphologies of 2D Ruddlesden-Popper perovskite films grown without anti-solvent for solar cells. <i>Chemical Engineering Journal</i> , 2020 , 394, 124959 | 14.7 | 14 |
| 116 | Carbon quantum dot modified Na ₃ V ₂ (PO ₄) ₂ F ₃ as a high-performance cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18872-18879 | 13 | 25 |
| 115 | Dual interface coupled molybdenum diselenide for high-performance sodium ion batteries and capacitors. <i>Journal of Power Sources</i> , 2020 , 446, 227298 | 8.9 | 18 |
| 114 | Boosting the cycling stability of hydrated vanadium pentoxide by Y ³⁺ pillaring for sodium-ion batteries. <i>Materials Today Energy</i> , 2019 , 11, 218-227 | 7 | 22 |
| 113 | Necklace-like Si@C nanofibers as robust anode materials for high performance lithium ion batteries. <i>Science Bulletin</i> , 2019 , 64, 261-269 | 10.6 | 45 |
| 112 | Interface Engineering V O Nanofibers for High-Energy and Durable Supercapacitors. <i>Small</i> , 2019 , 15, e1901747 | 11 | 36 |
| 111 | Towards a durable high performance anode material for lithium storage: stabilizing N-doped carbon encapsulated FeS nanosheets with amorphous TiO ₂ . <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16541-16552 | 13 | 16 |
| 110 | Revealing the impacts of metastable structure on the electrochemical properties: The case of MnS. <i>Journal of Power Sources</i> , 2019 , 431, 75-83 | 8.9 | 12 |
| 109 | Sulfur-deficient MoS ₂ grown inside hollow mesoporous carbon as a functional polysulfide mediator. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12068-12074 | 13 | 77 |

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| 108 | Enhanced-performance of self-powered flexible quantum dot photodetectors by a double hole transport layer structure. <i>Nanoscale</i> , 2019 , 11, 9626-9632 | 7.7 | 12 |
| 107 | High mass loading Ni-decorated Co ₉ S ₈ with enhanced electrochemical performance for flexible quasi-solid-state asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019 , 423, 106-114 | 8.9 | 26 |
| 106 | Microbelt-void-microbelt-structured SnO ₂ @C as an advanced electrode with outstanding rate capability and high reversibility. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10523-10533 | 13 | 19 |
| 105 | Tailoring Energy and Power Density through Controlling the Concentration of Oxygen Vacancies in VO/PEDOT Nanocable-Based Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16647-16655 | 8.5 | 34 |
| 104 | Oxygen-deficient titanium dioxide as a functional host for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10346-10353 | 13 | 74 |
| 103 | SnS Nanosheets Confined Growth by S and N Codoped Graphene with Enhanced Pseudocapacitance for Sodium-Ion Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41363-41373 | 9.5 | 45 |
| 102 | Engineering Halide Perovskite Crystals through Precursor Chemistry. <i>Small</i> , 2019 , 15, e1903613 | 11 | 47 |
| 101 | Electrocatalytic oxygen reduction reaction activity of KOH etched carbon films as metal-free cathodic catalysts for fuel cells.. <i>RSC Advances</i> , 2019 , 9, 2803-2811 | 3.7 | 2 |
| 100 | Covalent organic framework-regulated ionic transportation for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26540-26548 | 13 | 31 |
| 99 | Amorphous NiWO ₄ Nanospheres with High-Conductivity and -Capacitive Performance for Supercapacitors. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30067-30076 | 3.8 | 10 |
| 98 | From scalable solution fabrication of perovskite films towards commercialization of solar cells. <i>Energy and Environmental Science</i> , 2019 , 12, 518-549 | 35.4 | 192 |
| 97 | Facile fabrication of interconnected-mesoporous T-Nb ₂ O ₅ nanofibers as anodes for lithium-ion batteries. <i>Science China Materials</i> , 2019 , 62, 465-473 | 7.1 | 23 |
| 96 | MoSe ₂ nanosheets perpendicularly grown on graphene with Mo-C bonding for sodium-ion capacitors. <i>Nano Energy</i> , 2018 , 47, 224-234 | 17.1 | 270 |
| 95 | Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9153-9160 | 13 | 76 |
| 94 | Phosphorized SnO ₂ /graphene heterostructures for highly reversible lithium-ion storage with enhanced pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3479-3487 | 13 | 96 |
| 93 | Fabrication of tunable aluminum nanodisk arrays via a self-assembly nanoparticle template method and their applications for performance enhancement in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3649-3658 | 13 | 7 |
| 92 | Reversible and fast Na-ion storage in MoO ₂ /MoSe ₂ heterostructures for high energy-high power Na-ion capacitors. <i>Energy Storage Materials</i> , 2018 , 12, 241-251 | 19.4 | 94 |
| 91 | Self-templating synthesis of double-wall shelled vanadium oxide hollow microspheres for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6792-6799 | 13 | 26 |

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|----|---|------|-----|
| 90 | Facile one-step fabrication of Cd _{0.12} Se _{0.88} quantum dots with a ZnSe/ZnS-passivation layer for highly efficient quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9866-9873 | 13 | 30 |
| 89 | Twin-nanoplate assembled hierarchical Ni/MnO porous microspheres as advanced anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 259, 419-426 | 6.7 | 17 |
| 88 | Revitalized interest in vanadium pentoxide as cathode material for lithium-ion batteries and beyond. <i>Energy Storage Materials</i> , 2018 , 11, 205-259 | 19.4 | 157 |
| 87 | Tubular MoO ₂ organized by 2D assemblies for fast and durable alkali-ion storage. <i>Energy Storage Materials</i> , 2018 , 11, 161-169 | 19.4 | 54 |
| 86 | A low crystallinity oxygen-vacancy-rich Co ₃ O ₄ cathode for high-performance flexible asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16094-16100 | 13 | 122 |
| 85 | Synergistic combination of semiconductor quantum dots and organic-inorganic halide perovskites for hybrid solar cells. <i>Coordination Chemistry Reviews</i> , 2018 , 374, 279-313 | 23.2 | 39 |
| 84 | Mechanism of cycling degradation and strategy to stabilize a nickel-rich cathode. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16149-16163 | 13 | 66 |
| 83 | Carbon fabric supported 3D cobalt oxides/hydroxide nanosheet network as cathode for flexible all-solid-state asymmetric supercapacitor. <i>Dalton Transactions</i> , 2018 , 47, 11503-11511 | 4.3 | 23 |
| 82 | Monolayer-like hybrid halide perovskite films prepared by additive engineering without antisolvents for solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15386-15394 | 13 | 35 |
| 81 | Encapsulation of CoS Nanocrystals into N/S Co-Doped Honeycomb-Like 3D Porous Carbon for High-Performance Lithium Storage. <i>Advanced Science</i> , 2018 , 5, 1800829 | 13.6 | 121 |
| 80 | Synergistic coupling of lamellar MoSe ₂ and SnO ₂ nanoparticles via chemical bonding at interface for stable and high-power sodium-ion capacitors. <i>Chemical Engineering Journal</i> , 2018 , 354, 1164-1173 | 14.7 | 48 |
| 79 | Surface Engineering of Quantum Dots for Remarkably High Detectivity Photodetectors. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3285-3294 | 6.4 | 28 |
| 78 | High-Voltage-Efficiency Inorganic Perovskite Solar Cells in a Wide Solution-Processing Window. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3646-3653 | 6.4 | 54 |
| 77 | Nearly monodisperse PbS quantum dots for highly efficient solar cells: an in situ seeded ion exchange approach. <i>Chemical Communications</i> , 2018 , 54, 12598-12601 | 5.8 | 14 |
| 76 | Three-Dimensional Carbon-Coated Treelike NiS Superstructures on a Nickel Foam as Binder-Free Bifunctional Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36018-36027 | 9.5 | 34 |
| 75 | Repairing Defects of Halide Perovskite Films To Enhance Photovoltaic Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37005-37013 | 9.5 | 34 |
| 74 | S-doped porous carbon confined SnS nanospheres with enhanced electrochemical performance for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18286-18292 | 13 | 51 |
| 73 | Flexible all-solid-state ultrahigh-energy asymmetric supercapacitors based on tailored morphology of NiCoO ₂ /Ni(OH) ₂ /Co(OH) ₂ electrodes. <i>CrystEngComm</i> , 2018 , 20, 6519-6528 | 3.3 | 12 |

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|----|---|------|-----|
| 72 | In situ formation of porous graphitic carbon wrapped MnO/Ni microsphere networks as binder-free anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12316-12322 | 13 | 20 |
| 71 | Impacts of Mn ion in ZnSe passivation on electronic band structure for high efficiency CdS/CdSe quantum dot solar cells. <i>Dalton Transactions</i> , 2018 , 47, 9634-9642 | 4.3 | 10 |
| 70 | Self-supported binder-free carbon fibers/MnO ₂ electrodes derived from disposable bamboo chopsticks for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 126-135 | 5.7 | 49 |
| 69 | Self-templated synthesis of N-doped CoSe ₂ /C double-shelled dodecahedra for high-performance supercapacitors. <i>Energy Storage Materials</i> , 2017 , 8, 28-34 | 19.4 | 77 |
| 68 | Continuous Size Tuning of Monodispersed ZnO Nanoparticles and Its Size Effect on the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9785-9794 | 9.5 | 38 |
| 67 | Walnut-like Porous Core/Shell TiO ₂ with Hybridized Phases Enabling Fast and Stable Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10652-10663 | 9.5 | 145 |
| 66 | Enhanced storage of sodium ions in Prussian blue cathode material through nickel doping. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9604-9610 | 13 | 66 |
| 65 | Nanoporous carbon leading to the high performance of a Na ₃ V ₂ O ₂ (PO ₄) ₂ F@carbon/graphene cathode in a sodium ion battery. <i>CrystEngComm</i> , 2017 , 19, 4287-4293 | 3.3 | 19 |
| 64 | Facile synthesis of ultrathin NiCo ₂ S ₄ nano-petals inspired by blooming buds for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7144-7152 | 13 | 189 |
| 63 | Design of coherent anode materials with 0D Ni ₃ S ₂ nanoparticles self-assembled on 3D interconnected carbon networks for fast and reversible sodium storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7394-7402 | 13 | 112 |
| 62 | Highly Efficient and Stable Perovskite Solar Cells Based on Monolithically Grained CH ₃ NH ₃ PbI ₃ Film. <i>Advanced Energy Materials</i> , 2017 , 7, 1602017 | 21.8 | 247 |
| 61 | Impacts of surface or interface chemistry of ZnSe passivation layer on the performance of CdS/CdSe quantum dot sensitized solar cells. <i>Nano Energy</i> , 2017 , 32, 433-440 | 17.1 | 60 |
| 60 | Energy storage through intercalation reactions: electrodes for rechargeable batteries. <i>National Science Review</i> , 2017 , 4, 26-53 | 10.8 | 74 |
| 59 | Colloidal engineering for monolayer CH ₃ NH ₃ PbI ₃ films toward high performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24168-24177 | 13 | 71 |
| 58 | Fabrication of hybrid Co ₃ O ₄ /NiCo ₂ O ₄ nanosheets sandwiched by nanoneedles for high-performance supercapacitors using a novel electrochemical ion exchange. <i>Science China Materials</i> , 2017 , 60, 1168-1178 | 7.1 | 23 |
| 57 | Monolithic MAPbI ₃ films for high-efficiency solar cells via coordination and a heat assisted process. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21313-21319 | 13 | 109 |
| 56 | Superior sodium storage performance of additive-free V ₂ O ₅ thin film electrodes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16590-16594 | 13 | 47 |
| 55 | Flexible and Wearable All-Solid-State Supercapacitors with Ultrahigh Energy Density Based on a Carbon Fiber Fabric Electrode. <i>Advanced Energy Materials</i> , 2017 , 7, 1700409 | 21.8 | 131 |

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|----|---|------|-----|
| 54 | Chemical Synthesis of 3D Graphene-Like Cages for Sodium-Ion Batteries Applications. <i>Advanced Energy Materials</i> , 2017 , 7, 1700797 | 21.8 | 91 |
| 53 | Rational design of multi-shelled CoO/Co ₉ S ₈ hollow microspheres for high-performance hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18448-18456 | 13 | 78 |
| 52 | Hydrothermal synthesis of coherent porous V ₂ O ₃ /carbon nanocomposites for high-performance lithium- and sodium-ion batteries. <i>Science China Materials</i> , 2017 , 60, 717-727 | 7.1 | 47 |
| 51 | Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43665-43673 | 9.5 | 61 |
| 50 | rGO/SnS ₂ /TiO ₂ heterostructured composite with dual-confinement for enhanced lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25056-25063 | 13 | 112 |
| 49 | Exploiting High-Performance Anode through Tuning the Character of Chemical Bonds for Li-Ion Batteries and Capacitors. <i>Advanced Energy Materials</i> , 2017 , 7, 1601127 | 21.8 | 133 |
| 48 | Novel synthesis of V ₂ O ₅ hollow microspheres for lithium ion batteries. <i>Science China Materials</i> , 2016 , 59, 567-573 | 7.1 | 23 |
| 47 | Ultrathin ALD coating on TiO ₂ photoanodes with enhanced quantum dot loading and charge collection in quantum dots sensitized solar cells. <i>Science China Materials</i> , 2016 , 59, 833-841 | 7.1 | 20 |
| 46 | Efficiency Enhancement of Quantum Dot Sensitized TiO ₂ /ZnO Nanorod Arrays Solar Cells by Plasmonic Ag Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26675-26682 | 9.5 | 62 |
| 45 | 3D flexible O/N Co-doped graphene foams for supercapacitor electrodes with high volumetric and areal capacitances. <i>Journal of Power Sources</i> , 2016 , 336, 455-464 | 8.9 | 46 |
| 44 | A novel anion-exchange strategy for constructing high performance PbS quantum dot-sensitized solar cells. <i>Nano Energy</i> , 2016 , 30, 559-569 | 17.1 | 35 |
| 43 | Enhanced Performance of PbS-quantum-dot-sensitized Solar Cells via Optimizing Precursor Solution and Electrolytes. <i>Scientific Reports</i> , 2016 , 6, 23094 | 4.9 | 63 |
| 42 | High performance of Mn-doped CdSe quantum dot sensitized solar cells based on the vertical ZnO nanorod arrays. <i>Journal of Power Sources</i> , 2016 , 325, 438-445 | 8.9 | 64 |
| 41 | Dodecahedron-Shaped Porous Vanadium Oxide and Carbon Composite for High-Rate Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17303-11 | 9.5 | 35 |
| 40 | Novel Carbon-Encapsulated Porous SnO ₂ Anode for Lithium-Ion Batteries with Much Improved Cyclic Stability. <i>Small</i> , 2016 , 12, 1945-55 | 11 | 207 |
| 39 | Dynamic Growth of Pinhole-Free Conformal CH ₃ NH ₃ PbI ₃ Film for Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4684-90 | 9.5 | 44 |
| 38 | Investigation of the role of Mn dopant in CdS quantum dot sensitized solar cell. <i>Electrochimica Acta</i> , 2016 , 191, 62-69 | 6.7 | 46 |
| 37 | Understanding electrochemical potentials of cathode materials in rechargeable batteries. <i>Materials Today</i> , 2016 , 19, 109-123 | 21.8 | 573 |

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| 36 | Uniform 8LiFePO ₄ (Li ₃ V ₂ (PO ₄) ₃ /C nanoflakes for high-performance Li-ion batteries. <i>Nano Energy</i> , 2016 , 22, 48-58 | 17.1 | 69 |
| 35 | A promising cathode for Li-ion batteries: Li ₃ V ₂ (PO ₄) ₃ . <i>Energy Storage Materials</i> , 2016 , 4, 15-58 | 19.4 | 99 |
| 34 | Mesocrystal MnO cubes as anode for Li-ion capacitors. <i>Nano Energy</i> , 2016 , 22, 290-300 | 17.1 | 155 |
| 33 | Co ₃ S ₄ @polyaniline nanotubes as high-performance anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5505-5516 | 13 | 164 |
| 32 | High Efficiency CdS/CdSe Quantum Dot Sensitized Solar Cells with Two ZnSe Layers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34482-34489 | 9.5 | 71 |
| 31 | Tailoring band structure of ternary Cd _x Se _{1-x} quantum dots for highly efficient sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 155, 20-29 | 6.4 | 53 |
| 30 | A comparison of ZnS and ZnSe passivation layers on CdS/CdSe co-sensitized quantum dot solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14773-14780 | 13 | 56 |
| 29 | Doubling the power conversion efficiency in CdS/CdSe quantum dot sensitized solar cells with a ZnSe passivation layer. <i>Nano Energy</i> , 2016 , 26, 114-122 | 17.1 | 102 |
| 28 | Freestanding flexible graphene foams@polypyrrole@MnO ₂ electrodes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9196-9203 | 13 | 65 |
| 27 | Impact of sol aging on TiO ₂ compact layer and photovoltaic performance of perovskite solar cell. <i>Science China Materials</i> , 2016 , 59, 710-718 | 7.1 | 21 |
| 26 | Lamellar MoSe nanosheets embedded with MoO nanoparticles: novel hybrid nanostructures promoted excellent performances for lithium ion batteries. <i>Nanoscale</i> , 2016 , 8, 17902-17910 | 7.7 | 129 |
| 25 | Band-structure tailoring and surface passivation for highly efficient near-infrared responsive PbS quantum dot photovoltaics. <i>Journal of Power Sources</i> , 2016 , 333, 107-117 | 8.9 | 25 |
| 24 | Constructing water-resistant CH ₃ NH ₃ PbI ₃ perovskite films via coordination interaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17018-17024 | 13 | 69 |
| 23 | Three dimensional architecture of carbon wrapped multilayer Na ₃ V ₂ O ₂ (PO ₄) ₂ F nanocubes embedded in graphene for improved sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17563-17568 | 13 | 70 |
| 22 | Template-free synthesis of ultra-large V ₂ O ₅ nanosheets with exceptional small thickness for high-performance lithium-ion batteries. <i>Nano Energy</i> , 2015 , 13, 58-66 | 17.1 | 119 |
| 21 | Fast and Reversible Li Ion Insertion in Carbon-Encapsulated Li ₃ VO ₄ as Anode for Lithium-Ion Battery. <i>Advanced Functional Materials</i> , 2015 , 25, 3497-3504 | 15.6 | 148 |
| 20 | Control of Nanostructures and Interfaces of Metal Oxide Semiconductors for Quantum-Dots-Sensitized Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1859-69 | 6.4 | 95 |
| 19 | ZnO cathode buffer layers for inverted polymer solar cells. <i>Energy and Environmental Science</i> , 2015 , 8, 3442-3476 | 35.4 | 222 |

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|----|--|------|------|
| 18 | Beyond Li-ion: electrode materials for sodium- and magnesium-ion batteries. <i>Science China Materials</i> , 2015 , 58, 715-766 | 7.1 | 203 |
| 17 | Mesoporous Carbon Nanofibers Embedded with MoS ₂ Nanocrystals for Extraordinary Li-Ion Storage. <i>Chemistry - A European Journal</i> , 2015 , 21, 18248-57 | 4.8 | 21 |
| 16 | Improved charge generation and collection in dye-sensitized solar cells with modified photoanode surface. <i>Nano Energy</i> , 2014 , 10, 353-362 | 17.1 | 35 |
| 15 | A highly efficient (>6%) Cd _{1-x} MnxSe quantum dot sensitized solar cell. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19653-19659 | 13 | 117 |
| 14 | Efficient band alignment for ZnxCd _{1-x} Se QD-sensitized TiO ₂ solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3669 | 13 | 27 |
| 13 | Facile synthesis of nanorod-assembled multi-shelled Co ₃ O ₄ hollow microspheres for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2014 , 272, 107-112 | 8.9 | 94 |
| 12 | Mesoporous TiO ₂ beads for high efficiency CdS/CdSe quantum dot co-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2517 | 13 | 96 |
| 11 | Sn-Doped V ₂ O ₅ Film with Enhanced Lithium-Ion Storage Performance. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23507-23514 | 3.8 | 129 |
| 10 | Nanomaterials for energy conversion and storage. <i>Chemical Society Reviews</i> , 2013 , 42, 3127-71 | 58.5 | 1188 |
| 9 | Constructing ZnO nanorod array photoelectrodes for highly efficient quantum dot sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6770 | 13 | 67 |
| 8 | ZnO/TiO ₂ nanocable structured photoelectrodes for CdS/CdSe quantum dot co-sensitized solar cells. <i>Nanoscale</i> , 2013 , 5, 936-43 | 7.7 | 115 |
| 7 | Enhanced Performance of CdS/CdSe Quantum Dot Cosensitized Solar Cells via Homogeneous Distribution of Quantum Dots in TiO ₂ Film. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 18655-18662 | 3.8 | 158 |
| 6 | Nanostructured carbon for energy storage and conversion. <i>Nano Energy</i> , 2012 , 1, 195-220 | 17.1 | 797 |
| 5 | Hydrogenated Li ₄ Ti ₅ O ₁₂ nanowire arrays for high rate lithium ion batteries. <i>Advanced Materials</i> , 2012 , 24, 6502-6 | 24 | 411 |
| 4 | Enhanced Lithium-Ion Intercalation Properties of V ₂ O ₅ Xerogel Electrodes with Surface Defects. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4959-4965 | 3.8 | 86 |
| 3 | Synthesis and Enhanced Intercalation Properties of Nanostructured Vanadium Oxides. <i>Chemistry of Materials</i> , 2006 , 18, 2787-2804 | 9.6 | 400 |
| 2 | Nanostructures and Nanomaterials 2004 , | | 656 |
| 1 | Tunable engineering of photo- and electro-induced carrier dynamics in perovskite photoelectronic devices. <i>Science China Materials</i> , 1 | 7.1 | 2 |

