# Shengwei Shi

List of Publications by Year
in descending order



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|---|---|---|---|
| 49 papers | 1,507 citations | 430874 18 h-index | 315739 38 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 2435 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Emerging Biopolymerâ€Based Bioadhesives. Macromolecular Bioscience, 2022, 22, e2100340. | 4.1 | 26 |
| 2 | Surfaceâ€Engineered Ti<sub>3</sub>C<sub>2</sub>T<i><sub>x</sub></i> with Tunable Work Functions for Highly Efficient Polymer Solar Cells. Small, 2022, 18, e2201046. | 10.0 | 20 |
| 3 | Intercalation Effects on the Electrochemical Properties of Ti<sub>3</sub>C<sub>2</sub>T<sub><i>x</i></sub> MXene Nanosheets for High-Performance Supercapacitors. ACS Applied Nano Materials, 2022, 5, 8794-8803. | 5.0 | 18 |
| 4 | Two-dimensional Bi2OS2 doping improves the performance and stability of perovskite solar cells. Chemical Engineering Journal, 2021, 420, 127700. | 12.7 | 16 |
| 5 | Recent advances in 2D MXenes: preparation, intercalation and applications in flexible devices. Journal of Materials Chemistry A, 2021, 9, 14147-14171. | 10.3 | 90 |
| 6 | Work Function Adjustment of Nb<sub>2</sub>CT<sub><i>x</i></sub> Nanoflakes as Hole and Electron Transport Layers in Organic Solar Cells by Controlling Surface Functional Groups. ACS Energy Letters, 2021, 6, 3464-3472. | 17.4 | 54 |
| 7 | Synthesis of biomass-derived N,O-codoped hierarchical porous carbon with large surface area for high-performance supercapacitor. Journal of Energy Storage, 2021, 44, 103286. | 8.1 | 69 |
| 8 | Fused-ring phenazine building blocks for efficient copolymer donors. Materials Chemistry Frontiers, 2020, 4, 1454-1458. | 5.9 | 21 |
| 9 | Recent progress in silver nanowire networks for flexible organic electronics. Journal of Materials Chemistry C, 2020, 8, 4636-4674. | 5.5 | 122 |
| 10 | Charge Transport and Photovoltaic Properties of Conjugated Polymer PTB7:PC71BM Based Solar Cells. Transactions on Electrical and Electronic Materials, 2020, 21, 436-441. | 1.9 | 1 |
| 11 | An efficient medium-bandgap nonfullerene acceptor for organic solar cells. Journal of Materials Chemistry A, 2020, 8, 8857-8861. | 10.3 | 17 |
| 12 | Photosensitizer and anticancer drug-loaded 2D nanosheet: Preparation, stability and anticancer property. 2D Materials, 2019, 6, 045035. | 4.4 | 9 |
| 13 | ZnO nanorod arrays modified with Bi2S3 nanoparticles as cathode for efficient polymer solar cells. Organic Electronics, 2019, 75, 105369. | 2.6 | 8 |
| 14 | Electronic and magnetic properties of a ferromagnetic cobalt surface by adsorbing ultrathin films of tetracyanoethylene. Physical Chemistry Chemical Physics, 2019, 21, 15833-15844. | 2.8 | 4 |
| 15 | Thiolactone copolymer donor gifts organic solar cells a 16.72% efficiency. Science Bulletin, 2019, 64, 1573-1576. | 9.0 | 140 |
| 16 | Bismuth oxysulfide modified ZnO nanorod arrays as an efficient electron transport layer for inverted polymer solar cells. Journal of Materials Chemistry A, 2019, 7, 14776-14789. | 10.3 | 63 |
| 17 | Optical properties of aluminosilicate phosphor for lighting and temperature sensing. Journal of Luminescence, 2019, 213, 241-248. | 3.1 | 11 |
| 18 | Room-temperature synthesized SnO<sub>2</sub> electron transport layers for efficient perovskite solar cells. RSC Advances, 2019, 9, 9946-9950. | 3.6 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Finite size effects on the magnetocaloric properties around blocking temperature in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e783" altimg="si43.gif"><mml:mi>Î³</mml:mi></mml:math>-Fe2O3Ânanoparticles. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 260-267. | 2.6 | 14 |
| 20 | Solid-Phase Debundling of Single-Walled Carbon Nanotubes for the â€œStock Solidâ€• Delivery of Concentrated Nanotube Dispersions. ACS Applied Nano Materials, 2019, 2, 1720-1726. | 5.0 | 4 |
| 21 | A wide-bandgap copolymer donor based on a phenanthridin-6(5<i>H</i>)-one unit. Materials Chemistry Frontiers, 2019, 3, 2686-2689. | 5.9 | 6 |
| 22 | Improving the performance of inverted polymer solar cells by the efficiently doping and modification of electron transport layer-ZnO. Organic Electronics, 2019, 65, 311-320. | 2.6 | 25 |
| 23 | Low-Temperature Presynthesized Crystalline Tin Oxide for Efficient Flexible Perovskite Solar Cells and Modules. ACS Applied Materials & Interfaces, 2018, 10, 14922-14929. | 8.0 | 81 |
| 24 | Synthesis and characterization of novel red-emitting conjugated polymers based on triphenylaminesilole-carbazole-fluorene. Materials Chemistry and Physics, 2018, 212, 208-213. | 4.0 | 9 |
| 25 | 11,11,12,12â€Tetracyanonaphthoâ€2,6â€quinodimethane in Contact with Ferromagnetic Electrodes for Organic Spintronics. Advanced Electronic Materials, 2018, 4, 1800077. | 5.1 | 3 |
| 26 | Synergetic effects of acid treatment and localized surface plasmon resonance in PEDOT:PSS layers by doping HAuCl4 for efficient polymer solar cells. Organic Electronics, 2018, 62, 121-132. | 2.6 | 14 |
| 27 | Efficient and stable mixed perovskite solar cells using P3HT as a hole transporting layer. Journal of Materials Chemistry C, 2018, 6, 5733-5737. | 5.5 | 61 |
| 28 | Efficient Production of Singleâ€Walled Carbon Nanotube Aqueous Dispersion Using Hexahydroxytriphenylene as a Dispersant and Stabilizer. ChemistrySelect, 2018, 3, 6081-6086. | 1.5 | 4 |
| 29 | Phthalocyanine based molecular spintronic devices. Dalton Transactions, 2016, 45, 16694-16699. | 3.3 | 36 |
| 30 | Role of Thickâ€Lithium Fluoride Layer in Energy Level Alignment at Organic/Metal Interface: Unifying Effect on High Metallic Work Functions. Advanced Materials Interfaces, 2015, 2, 1400527. | 3.7 | 21 |
| 31 | Improving power conversion efficiency of polymer solar cells by doping copper phthalocyanine. Electrochimica Acta, 2015, 180, 645-650. | 5.2 | 11 |
| 32 | Effects of side groups on the kinetics of charge carrier recombination in dye molecule-doped multilayer organic light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 46-50. | 5.5 | 4 |
| 33 | Origin of the anomalous temperature dependence of coercivity in soft ferromagnets. Journal of Applied Physics, 2014, 116, . | 2.5 | 12 |
| 34 | Hybrid Interface States and Spin Polarization at Ferromagnetic Metalâ€“Organic Heterojunctions: Interface Engineering for Efficient Spin Injection in Organic Spintronics. Advanced Functional Materials, 2014, 24, 4812-4821. | 14.9 | 50 |
| 35 | Energy level alignment and interactive spin polarization at organic/ferromagnetic metal interfaces for organic spintronics. Organic Electronics, 2014, 15, 1951-1957. | 2.6 | 11 |
| 36 | In Situ Formation of MoO<sub>3</sub> in PEDOT:PSS Matrix: A Facile Way to Produce a Smooth and Less Hygroscopic Hole Transport Layer for Highly Stable Polymer Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2013, 3, 349-355. | 19.5 | 118 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Solution-processable graphene oxide as an efficient hole injection layer for high luminance organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 1708. | 5.5 | 71 |
| 38 | Soft Room-Temperature Ferromagnetism of Carbon-Implanted Amorphous Fe<sub>93</sub>Zr<sub>7</sub>Films. Applied Physics Express, 2013, 6, 053001. | 2.4 | 15 |
| 39 | High luminance organic light-emitting diodes with efficient multi-walled carbon nanotube hole injectors. Carbon, 2012, 50, 4163-4170. | 10.3 | 25 |
| 40 | Effect of Ca and buffer layers on the performance of organic light-emitting diodes based on tris-(8-hydroxyquinoline) aluminum. Thin Solid Films, 2010, 518, 4874-4878. | 1.8 | 9 |
| 41 | Study of molecular spin-crossover complex Fe(phen)2(NCS)2 thin films. Applied Physics Letters, 2009, 95, . | 3.3 | 109 |
| 42 | Investigation on internal electric field distribution of organic lightâ€emitting diodes (OLEDs) with Eu<sub>2</sub>O<sub>3</sub> buffer layer. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2641-2644. | 1.8 | 8 |
| 43 | Write-Once Read-Many-Times Memory Based on a Single Layer of Pentacene. IEEE Electron Device Letters, 2009, 30, 343-345. | 3.9 | 9 |
| 44 | Improved electron injection in organic light-emitting devices with a lithium acetylacetonate [Li(acac)]/aluminium bilayer cathode. Semiconductor Science and Technology, 2007, 22, 249-252. | 2.0 | 10 |
| 45 | Effect of NaCl buffer layer on the performance of organic light-emitting devices (OLEDs). EPJ Applied Physics, 2007, 40, 141-144. | 0.7 | 10 |
| 46 | NaCl/Ca/Al as an efficient cathode in organic light-emitting devices. Applied Surface Science, 2006, 252, 6337-6341. | 6.1 | 17 |
| 47 | Improved performance and stability by an Al/Ni bilayer cathode in organic light-emitting diodes. Applied Surface Science, 2006, 253, 1551-1554. | 6.1 | 10 |
| 48 | Efficient sodium chlorate/calcium/aluminum cathode for polymer light-emitting diodes. Thin Solid Films, 2005, 489, 262-265. | 1.8 | 6 |
| 49 | A pentacene-doped hole injection layer for organic light-emitting diodes. Semiconductor Science and Technology, 2005, 20, 1213-1216. | 2.0 | 14 |