# Shasha Song

List of Publications by Year
in descending order

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|---|---|---|---|
| 67<br>papers | 1,592<br>citations | 257450<br>24<br>h-index | 330143<br>37<br>g-index |
| 67<br>all docs | 67<br>docs citations | 67<br>times ranked | 2283<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Freezing-Tolerant, Nondrying, Stretchable, and Adhesive Organohydrogels Inspired by the DNA Double Helix Structure for a Flexible Dual-Response Sensor. ACS Applied Polymer Materials, 2022, 4, 1159-1172. | 4.4 | 6 |
| 2 | Suppressed Halide Segregation and Defects in Wide Bandgap Perovskite Solar Cells Enabled by Doping Organic Bromide Salt with Moderate Chain Length. Journal of Physical Chemistry C, 2022, 126, 1711-1720. | 3.1 | 8 |
| 3 | Predicting the photon energy of quasi-2D lead halide perovskites from the precursor composition through machine learning. Nanoscale Advances, 2022, 4, 1632-1638. | 4.6 | 6 |
| 4 | The Improvement of the Performance of Sky-Blue OLEDs by Decreasing Interface Traps and Balancing Carriers with PSVA Treatment. Polymers, 2022, 14, 622. | 4.5 | 3 |
| 5 | Device performance improvements in all-inorganic perovskite light-emitting diodes: the role of binary ammonium cation terminals. Physical Chemistry Chemical Physics, 2022, 24, 6208-6214. | 2.8 | 2 |
| 6 | Key Factors Governing the External Quantum Efficiency of Thermally Activated Delayed Fluorescence Organic Light-Emitting Devices: Evidence from Machine Learning. ACS Omega, 2022, 7, 7893-7900. | 3.5 | 11 |
| 7 | Dual-Sensing, Stretchable, Fatigue-Resistant, Adhesive, and Conductive Hydrogels Used as Flexible Sensors for Human Motion Monitoring. Langmuir, 2022, 38, 7013-7023. | 3.5 | 29 |
| 8 | Synergistic function of doping and ligand engineering to enhance the photostability and electroluminescence performance of CsPbBr<sub>3</sub> quantum dots. Nanotechnology, 2021, 32, 325202. | 2.6 | 7 |
| 9 | Performance improvements in all-solution processed inverted QLEDs realized by inserting an electron blocking layer. Nanotechnology, 2021, 32, 335204. | 2.6 | 4 |
| 10 | Synergetic Effect of Different Carrier Dynamics in Pm6:Y6:ITIC-M Ternary Cascade Energy Level System. Polymers, 2021, 13, 2398. | 4.5 | 9 |
| 11 | Fluorescent Hydrogel Producing ZnO for Colorimetric Detection of Glutathione and Cysteine. Advanced Materials Interfaces, 2021, 8, 2100765. | 3.7 | 7 |
| 12 | Selfâ€Healing Hydrogels as Flexible Sensor for Human MotionÂMonitoring. ChemistrySelect, 2021, 6, 11130-11136. | 1.5 | 4 |
| 13 | Organic Halide PEACl for Surface Passivation and Defects Suppression in Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 12411-12420. | 5.1 | 9 |
| 14 | High-Performance Near-Infrared Photodetectors Based on the Synergy Effect of Short Wavelength Light Filter and Long Wavelength Response of a Perovskite/Polymer Hybrid Structure. ACS Applied Materials & Interfaces, 2021, 13, 61818-61826. | 8.0 | 7 |
| 15 | Ionogels as Precursors To Prepare ZnS Nanoparticles for Colorimetric Sensing of Sulfide Ions. ACS Sustainable Chemistry and Engineering, 2020, 8, 759-770. | 6.7 | 4 |
| 16 | Solvent modification to suppress halide segregation in mixed halide perovskite solar cells. Journal of Materials Science, 2020, 55, 9787-9794. | 3.7 | 7 |
| 17 | Improving the Quality and Luminescence Performance of Allâ€Inorganic Perovskite Nanomaterials for Lightâ€Emitting Devices by Surface Engineering. Small, 2020, 16, e1907089. | 10.0 | 54 |
| 18 | CsPbBr<sub>3</sub>@CsPbBr<sub>3â€“x</sub>Cl<sub>x</sub> Perovskite Coreâ€“Shell Heterojunction Nanowires via a Postsynthetic Method with HCl Gas. ACS Omega, 2020, 5, 11578-11584. | 3.5 | 12 |

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|---|---|---|---|
| 19 | Modifying the Crystal Field of CsPbCl<sub>3</sub>:Mn<sup>2+</sup> Nanocrystals by Co-doping to Enhance Its Red Emission by a Hundredfold. ACS Applied Materials & Interfaces, 2020, 12, 30711-30719. | 8.0 | 41 |
| 20 | With PBDB-T as the Donor, the PCE of Non-Fullerene Organic Solar Cells Based on Small Molecule INTIC Increased by 52.4%. Materials, 2020, 13, 1324. | 2.9 | 6 |
| 21 | Enhancing the stability and water resistance of CsPbBr3 perovskite nanocrystals by using tetrafluoride and zinc oxide as protective capsules. Journal of Materials Science, 2020, 55, 9739-9747. | 3.7 | 14 |
| 22 | Hofmeister Series: Insights of Ion Specificity from Amphiphilic Assembly and Interface Property. ACS Omega, 2020, 5, 6229-6239. | 3.5 | 199 |
| 23 | Color-Tunable Organic Light Emitting Diodes for Deep Blue Emission by Regulating the Optical Micro-Cavity. Molecules, 2020, 25, 2867. | 3.8 | 8 |
| 24 | Interface energy level alignment and improved film quality with a hydrophilic polymer interlayer to improve the device efficiency and stability of all-inorganic halide perovskite light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 6743-6748. | 5.5 | 12 |
| 25 | Perovskite Solar Cells Based on Compact, Smooth FA0.1MA0.9PbI3 Film with Efficiency Exceeding 22%. Nanoscale Research Letters, 2020, 15, 89. | 5.7 | 21 |
| 26 | The luminescence properties of CsPb<sub>x</sub>M<sub>1â^'x</sub>Br<sub>3</sub> perovskite nanocrystals transformed from Cs<sub>4</sub>PbBr<sub>6</sub> mediated by various divalent bromide MBr<sub>2</sub> salts. Nanoscale, 2019, 11, 4008-4014. | 5.6 | 14 |
| 27 | Stretchable self-healing hydrogels capable of heavy metal ion scavenging. RSC Advances, 2019, 9, 19039-19047. | 3.6 | 14 |
| 28 | Benefits of the Hydrophobic Surface for CH3NH3PbI3 Crystalline Growth towards Highly Efficient Inverted Perovskite Solar Cells. Molecules, 2019, 24, 2027. | 3.8 | 16 |
| 29 | Highly bright perovskite light-emitting diodes based on quasi-2D perovskite film through synergetic solvent engineering. RSC Advances, 2019, 9, 8373-8378. | 3.6 | 15 |
| 30 | Highly bright and stable all-inorganic perovskite light-emitting diodes with methoxypolyethylene glycols modified CsPbBr3 emission layer. Applied Physics Letters, 2018, 113, . | 3.3 | 26 |
| 31 | 3.5: Investigation of excitedâ€state dynamics upon both photoâ€and electroâ€excitation of thermally activated delayed fluorescent molecules. Digest of Technical Papers SID International Symposium, 2018, 49, 29-34. | 0.3 | 0 |
| 32 | Hybrid Hydrogels Based on insitu Interpenetrating Networks Graphene Oxide (GO) and Au Nanoparticles, and Its Application as Peroxidase Mimetics for Glucose Detection. ChemistrySelect, 2018, 3, 10259-10264. | 1.5 | 7 |
| 33 | Enhancement of Upconversion Emissions of NaYF<sub>4</sub>:Yb<sup>3+</sup>, Tm<sup>3+</sup> Nanoparticles by Ba<sup>2+</sup> Co-Doping. Journal of Nanoscience and Nanotechnology, 2018, 18, 7584-7589. | 0.9 | 12 |
| 34 | Investigation of excitedâ€state dynamics upon both photoâ€excitation and electroâ€excitation of thermally activated delayed fluorescent molecules. Journal of the Society for Information Display, 2018, 26, 694-699. | 2.1 | 2 |
| 35 | Aminoâ€terminated Poly(ethylene glycol) (ATâ€PEG) Polymer Hydrogels as Efficient Anionic Dye Adsorbents. ChemistrySelect, 2018, 3, 7310-7317. | 1.5 | 3 |
| 36 | Highly Efficient and Operational Stability Polymer Solar Cells Employing Nonhalogenated Solvents and Additives. ACS Applied Materials & Interfaces, 2018, 10, 24075-24081. | 8.0 | 12 |

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|---|---|---|---|
| 37 | Biphenyl Triarylamine Hole Transport Material for Highly Efficient and Low-Temperature Solution-Processed pâ€“iâ€“n Perovskite Solar Cells. Journal of Nanoscience and Nanotechnology, 2018, 18, 7374-7379. | 0.9 | 2 |
| 38 | HGF induces EMT in non-small-cell lung cancer through the hBVR pathway. European Journal of Pharmacology, 2017, 811, 180-190. | 3.5 | 38 |
| 39 | Peroxidase mimetic activity of Fe3O4 nanoparticle prepared based on magnetic hydrogels for hydrogen peroxide and glucose detection. Journal of Colloid and Interface Science, 2017, 506, 46-57. | 9.4 | 37 |
| 40 | Serum Metabolic Profile Alteration Reveals Response to Platinum-Based Combination Chemotherapy for Lung Cancer: Sensitive Patients Distinguished from Insensitive ones. Scientific Reports, 2017, 7, 17524. | 3.3 | 14 |
| 41 | Graphene oxide (GO)/polyacrylamide (PAM) composite hydrogels as efficient cationic dye adsorbents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 315-324. | 4.7 | 93 |
| 42 | Electrospun polystyrene nanofibers as a novel adsorbent to transfer an organic phase from an aqueous phase. Journal of Separation Science, 2016, 39, 1326-1330. | 2.5 | 8 |
| 43 | Polydopamine-sheathed electrospun nanofiber as adsorbent for determination of aldehydes metabolites in human urine. Analytica Chimica Acta, 2016, 943, 74-81. | 5.4 | 28 |
| 44 | Î²2-adrenoceptor signaling reduction in dendritic cells is involved in the inflammatory response in adjuvant-induced arthritic rats. Scientific Reports, 2016, 6, 24548. | 3.3 | 45 |
| 45 | Tumor growth affects the metabonomic phenotypes of multiple mouse non-involved organs in an A549 lung cancer xenograft model. Scientific Reports, 2016, 6, 28057. | 3.3 | 10 |
| 46 | Two Gelation Mechanisms of Deoxycholate with Inorganic Additives: Hydrogen Bonding and Electrostatic Interactions. Journal of Physical Chemistry B, 2016, 120, 6812-6818. | 2.6 | 25 |
| 47 | Hydrogels Triggered by Metal Ions as Precursors of Network CuS for DNA Detection. Chemistry - A European Journal, 2015, 21, 12194-12201. | 3.3 | 35 |
| 48 | Bone marrow CD11b+F4/80+ dendritic cells ameliorate collagen-induced arthritis through modulating the balance between Treg and Th17. International Immunopharmacology, 2015, 25, 96-105. | 3.8 | 22 |
| 49 | Electrospun polystyrene/graphene nanofiber film as a novel adsorbent of thin film microextraction for extraction of aldehydes in human exhaled breath condensates. Analytica Chimica Acta, 2015, 878, 102-108. | 5.4 | 93 |
| 50 | Sponge Phase Producing Porous CeO<sub>2</sub> for Catalytic Oxidation of CO. Chemistry - A European Journal, 2014, 20, 9063-9072. | 3.3 | 13 |
| 51 | Superhydrogels of Nanotubes Capable of Capturing Heavyâ€Metal Ions. Chemistry - an Asian Journal, 2014, 9, 245-252. | 3.3 | 33 |
| 52 | Hexagonal hollow microtubes incorporated Bi2S3-quantum-dots for catalytic degradation of dyes. Journal of Colloid and Interface Science, 2014, 413, 133-139. | 9.4 | 14 |
| 53 | Dendritic cells with an increased PD-L1 by TGF-Î² induce T cell anergy for the cytotoxicity of hepatocellular carcinoma cells. International Immunopharmacology, 2014, 20, 117-123. | 3.8 | 70 |
| 54 | Fluorescent Hydrogels with Tunable Nanostructure and Viscoelasticity for Formaldehyde Removal. ACS Applied Materials & Interfaces, 2014, 6, 18319-18328. | 8.0 | 33 |

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| 55 | Dynamic analysis of tumor-associated immune cells in DEN-induced rat hepatocellular carcinoma. International Immunopharmacology, 2014, 22, 392-399. | 3.8 | 14 |
| 56 | Hydrogels Facilitated by Monovalent Cations and Their Use as Efficient Dye Adsorbents. Journal of Physical Chemistry B, 2014, 118, 4693-4701. | 2.6 | 49 |
| 57 | Self-assembled structures of amphiphiles regulated via implanting external stimuli. RSC Advances, 2014, 4, 41864-41875. | 3.6 | 39 |
| 58 | Temperature regulated supramolecular structures via modifying the balance of multiple non-covalent interactions. Soft Matter, 2013, 9, 4209. | 2.7 | 37 |
| 59 | Room-Temperature Super Hydrogel as Dye Adsorption Agent. Journal of Physical Chemistry B, 2012, 116, 12850-12856. | 2.6 | 58 |
| 60 | Self-Assembled Aggregates Originated from the Balance of Hydrogen-Bonding, Electrostatic, and Hydrophobic Interactions. Langmuir, 2012, 28, 219-226. | 3.5 | 55 |
| 61 | New sorptive extraction method based on polydimethylsiloxane sieve combined with GC-MS for determination of pyrethroid residues in tea. Analytical Methods, 2012, 4, 4161. | 2.7 | 1 |
| 62 | Magnetic solid-phase extraction followed by high performance liquid chromatography for determination of hexanal and heptanal in human urine. Analytical Methods, 2011, 3, 1418. | 2.7 | 25 |
| 63 | Modification of Exciton Lifetime by the Metal Cathode in Phosphorescent OLEDs, and Implications on Device Efficiency and Efficiency Rollâ€off Behavior. Advanced Functional Materials, 2011, 21, 2311-2317. | 14.9 | 42 |
| 64 | Analysis of Hexanal and Heptanal in Human Blood by Simultaneous Derivatization and Dispersive Liquidâ€“Liquid Microextraction then LCâ€“APCIâ€“MSâ€“MS. Chromatographia, 2009, 70, 775-781. | 1.3 | 37 |
| 65 | LC-Ultrasound-Assisted Headspace Liquid Microextraction for the Analysis of Phenols in Water. Chromatographia, 2008, 68, 235-238. | 1.3 | 6 |
| 66 | A Compact Electron Transport Layer Using a Heated Tinâ€Oxide Colloidal Solution for Efficient Perovskite Solar Cells. Solar Rrl, 0, , 2100794. | 5.8 | 2 |
| 67 | Improved UV sensitivity and charge transport in PTB7-Th:PC<sub>71</sub>BM solar cells doped with cadmium selenide quantum dots. Sustainable Energy and Fuels, 0, , . | 4.9 | 3 |