

Qi-Jun Sun

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,599
citations

361413

20
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

2713
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An Overview of the Development of Flexible Sensors. <i>Advanced Materials</i> , 2017, 29, 1700375. | 21.0 | 483 |
| 2 | Fingertip- <i>skin</i> -inspired Highly Sensitive and Multifunctional Sensor with Hierarchically Structured Conductive Graphite/Polydimethylsiloxane Foams. <i>Advanced Functional Materials</i> , 2019, 29, 1808829. | 14.9 | 157 |
| 3 | A cost-effective commercial soluble oxide cluster for highly efficient and stable organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1436-1442. | 10.3 | 86 |
| 4 | Highly Sensitive and Ultrastable Skin Sensors for Biopressure and Bioforce Measurements Based on Hierarchical Microstructures. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4086-4094. | 8.0 | 83 |
| 5 | Significantly improved dielectric properties of polylactide nanocomposites via TiO ₂ decorated carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 127, 105650. | 7.6 | 59 |
| 6 | Scalable fabrication of hierarchically structured graphite/polydimethylsiloxane composite films for large-area triboelectric nanogenerators and self-powered tactile sensing. <i>Nano Energy</i> , 2021, 80, 105521. | 16.0 | 55 |
| 7 | Fabrication of carboxymethyl cellulose and graphene oxide bio-nanocomposites for flexible nonvolatile resistive switching memory devices. <i>Carbohydrate Polymers</i> , 2019, 214, 213-220. | 10.2 | 54 |
| 8 | Ecofriendly UV-protective films based on poly(propylene carbonate) biocomposites filled with TiO ₂ decorated lignin. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 1030-1036. | 7.5 | 52 |
| 9 | Synergetic enhancement on flame retardancy by melamine phosphate modified lignin in rice husk ash filled P34HB biocomposites. <i>Composites Science and Technology</i> , 2018, 168, 246-254. | 7.8 | 50 |
| 10 | Morphology control of tunneling dielectric towards high-performance organic field-effect transistor nonvolatile memory. <i>Organic Electronics</i> , 2012, 13, 1908-1915. | 2.6 | 47 |
| 11 | Hybrid Flexible Resistive Random Access Memory- <i>Gated Transistor for Novel Nonvolatile Data Storage</i> . <i>Small</i> , 2016, 12, 390-396. | 10.0 | 42 |
| 12 | Facilely prepared layer-by-layer graphene membrane-based pressure sensor with high sensitivity and stability for smart wearable devices. <i>Journal of Materials Science and Technology</i> , 2020, 45, 241-247. | 10.7 | 39 |
| 13 | Localized Surface Plasmon Resonance-Mediated Charge Trapping/Detrapping for Core-Shell Nanorod-Based Optical Memory Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34101-34110. | 8.0 | 37 |
| 14 | Bioinspired, Self-Powered, and Highly Sensitive Electronic Skin for Sensing Static and Dynamic Pressures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37239-37247. | 8.0 | 36 |
| 15 | Solution-Processed Rare-Earth Oxide Thin Films for Alternative Gate Dielectric Application. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31128-31135. | 8.0 | 32 |
| 16 | Photo-reactive charge trapping memory based on lanthanide complex. <i>Scientific Reports</i> , 2015, 5, 14998. | 3.3 | 32 |
| 17 | Low-temperature solution-processed alumina as gate dielectric for reducing the operating-voltage of organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 31 |
| 18 | Low temperature, solution-processed alumina for organic solar cells. <i>Nanotechnology</i> , 2013, 24, 484010. | 2.6 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Rheological and antibacterial performance of sodium alginate/zinc oxide composite coating for cellulosic paper. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 538-543. | 5.0 | 28 |
| 20 | Facile Synthesis of Phosphorus and Cobalt Co-Doped Graphitic Carbon Nitride for Fire and SmokeSuppressions of Polylactide Composite. <i>Polymers</i> , 2020, 12, 1106. | 4.5 | 25 |
| 21 | Surface Decoration on Polymeric Gate Dielectrics for Flexible Organic Field-Effect Transistors via Hydroxylation and Subsequent Monolayer Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23464-23471. | 8.0 | 18 |
| 22 | Understanding temperature dependence of threshold voltage in pentacene thin film transistors. <i>Journal of Applied Physics</i> , 2013, 113, . | 2.5 | 17 |
| 23 | Real-time storage of thermal signals in organic memory with floating core-shell nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8415-8423. | 5.5 | 16 |
| 24 | Probing bias stress effect and contact resistance in bilayer ambipolar organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 15 |
| 25 | Investigation on the mobility and stability in organic thin film transistors consisting of bilayer gate dielectrics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 79-84. | 1.8 | 14 |
| 26 | Hierarchically porous N-doped carbon nanofibers derived from ZIF-8/PAN composites for benzene adsorption. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50431. | 2.6 | 13 |
| 27 | Interface Engineering via Photopolymerization-Induced Phase Separation for Flexible UV-Responsive Phototransistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7487-7496. | 8.0 | 12 |
| 28 | Spray printed conjugated polymer on tissue paper for highly sensitive pressure sensors. <i>Polymer International</i> , 2021, 70, 450-456. | 3.1 | 12 |
| 29 | Intrinsic Ge nanowire nonvolatile memory based on a simple core-shell structure. <i>Nanotechnology</i> , 2014, 25, 075201. | 2.6 | 8 |
| 30 | Wearable Device for Monitoring Heart Rate Based on Low-Cost Piezoresistive Sensor. , 2019, , . | | 7 |
| 31 | Mobility Enhancement of P3HT-Based OTFTs upon Blending with Au Nanorods. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 1051-1057. | 2.3 | 6 |
| 32 | Polymer-modified solution-processed metal oxide dielectrics on aluminum foil substrate for flexible organic transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2509-2517. | 1.8 | 4 |
| 33 | Low-voltage extended gate organic thin film transistors for ion sensing based on semi-conducting polymer electrodes. , 2016, , . | | 0 |
| 34 | Two-dimensional oxide based pressure sensors with high sensitivity. <i>Nano Select</i> , 0, , . | 3.7 | 0 |
| 35 | Nanomaterials for Flexible Arterial Pulse Sensors. , 2020, , 309-359. | | 0 |