

Dazhi Wang

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

499
citations

686830

13
h-index

752256

20
g-index

39
all docs

39
docs citations

39
times ranked

478
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Facile fabrication of superhydrophilic/superhydrophobic surface on titanium substrate by single-step anodization and fluorination. <i>Applied Surface Science</i> , 2015, 338, 126-136. | 3.1 | 51 |
| 2 | Nanoscale coaxial focused electrohydrodynamic jet printing. <i>Nanoscale</i> , 2018, 10, 9867-9879. | 2.8 | 41 |
| 3 | Electrohydrodynamic jet 3D printing of PCL/PVP composite scaffold for cell culture. <i>Talanta</i> , 2020, 211, 120750. | 2.9 | 34 |
| 4 | Electrospun fibrous electrodes with tunable microstructure made of polyaniline/multi-walled carbon nanotube suspension for all-solid-state supercapacitors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 211, 61-66. | 1.7 | 28 |
| 5 | Novel Flow Field with Superhydrophobic Gas Channels Prepared by One-step Solvent-induced Crystallization for Micro Direct Methanol Fuel Cell. <i>Nano-Micro Letters</i> , 2015, 7, 165-171. | 14.4 | 21 |
| 6 | Drop-on-Demand Electrohydrodynamic Jet Printing of Graphene and Its Composite Microelectrode for High Performance Electrochemical Sensing. <i>Journal of the Electrochemical Society</i> , 2020, 167, 107508. | 1.3 | 21 |
| 7 | Enhance performance of micro direct methanol fuel cell by in situ CO ₂ removal using novel anode flow field with superhydrophobic degassing channels. <i>Journal of Power Sources</i> , 2017, 351, 86-95. | 4.0 | 20 |
| 8 | Fabrication of micro/nano-structures by electrohydrodynamic jet technique. <i>Frontiers of Mechanical Engineering</i> , 2017, 12, 477-489. | 2.5 | 18 |
| 9 | Thermally Assisted Electrohydrodynamic Jet High-Resolution Printing of High-Molecular Weight Biopolymer 3D Structures. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800345. | 1.7 | 18 |
| 10 | Microtip focused electrohydrodynamic jet printing with nanoscale resolution. <i>Nanoscale</i> , 2020, 12, 24450-24462. | 2.8 | 18 |
| 11 | Numerical simulation of coaxial electrohydrodynamic jet and printing nanoscale structures. <i>Microsystem Technologies</i> , 2019, 25, 4651-4661. | 1.2 | 17 |
| 12 | Electrohydrodynamic jet printing and a preliminary electrochemistry test of graphene micro-scale electrodes. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 045010. | 1.5 | 16 |
| 13 | Novel forming of columnar lead zirconate titanate structures. <i>Journal of the European Ceramic Society</i> , 2008, 28, 3131-3139. | 2.8 | 13 |
| 14 | Fabrication of piezoelectric thick-film stator using electrohydrodynamic jet printing for micro rotary ultrasonic motors. <i>Ceramics International</i> , 2020, 46, 26129-26135. | 2.3 | 13 |
| 15 | Sacrificial layer-assisted nanoscale transfer printing. <i>Microsystems and Nanoengineering</i> , 2020, 6, 80. | 3.4 | 13 |
| 16 | Numerical simulation of stable electrohydrodynamic cone-jet formation and printing on flexible substrate. <i>Microelectronic Engineering</i> , 2021, 237, 111496. | 1.1 | 12 |
| 17 | Fabrication and characterisation of substrate-free PZT thick films. <i>Ceramics International</i> , 2018, 44, 14258-14263. | 2.3 | 11 |
| 18 | Numerical simulation of electrohydrodynamic jet and printing micro-structures on flexible substrate. <i>Microsystem Technologies</i> , 2021, 27, 3125-3139. | 1.2 | 10 |

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|----|---|-----|-----------|
| 19 | Direct Microtip Focused Electrohydrodynamic Jet Printing of Tailored Microlens Arrays on PDMS Nanofilmâ€Modified Substrate. <i>Advanced Materials Technologies</i> , 2021, 6, 2100449. | 3.0 | 10 |
| 20 | Numerical modeling and analysis of coaxial electrohydrodynamic jet printing. <i>Scientific Reports</i> , 2022, 12, 1924. | 1.6 | 10 |
| 21 | Phase field simulation of electrohydrodynamic jet droplets and printing microstructures on insulating substrates. <i>Microelectronic Engineering</i> , 2022, 261, 111817. | 1.1 | 10 |
| 22 | Squeezing Dynamic Mechanism of High-Viscosity Droplet and its Application for Adhesive Dispensing in Sub-Nanoliter Resolution. <i>Micromachines</i> , 2019, 10, 728. | 1.4 | 9 |
| 23 | Silkworm-inspired electrohydrodynamic jet 3D printing of composite scaffold with ordered cell scale fibers for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 124-132. | 3.6 | 9 |
| 24 | Preparation of aligned nanofibers using parallel inductive-plates assisted electrospinning. <i>Nanotechnology</i> , 2021, 32, 265303. | 1.3 | 9 |
| 25 | Preparation of defect-free alumina insulation film using layer-by-layer electrohydrodynamic jet deposition for high temperature applications. <i>Ceramics International</i> , 2021, 47, 14498-14505. | 2.3 | 9 |
| 26 | Instrument for fine control of drop-on-demand electrohydrodynamic jet printing by current measurement. <i>Review of Scientific Instruments</i> , 2019, 90, 115001. | 0.6 | 8 |
| 27 | A new water management system for air-breathing direct methanol fuel cell using superhydrophilic capillary network and evaporation wings. <i>Energy Conversion and Management</i> , 2021, 246, 114665. | 4.4 | 7 |
| 28 | The Focused Electrode Ring for Electrohydrodynamic Jet and Printing on Insulated Substrate. <i>International Journal of Precision Engineering and Manufacturing</i> , 2022, 23, 545-563. | 1.1 | 7 |
| 29 | Fabrication of Crack-Free Barium Titanate Thin Film with High Dielectric Constant Using Sub-Micrometric Scale Layer-by-Layer E-Jet Deposition. <i>Materials</i> , 2016, 9, 61. | 1.3 | 6 |
| 30 | Simulation of Cone-Jet and Micro-Drip Regimes and Printing of Micro-Scale Patterns on PET Substrate. <i>Polymers</i> , 2022, 14, 2683. | 2.0 | 6 |
| 31 | High temperature-assisted electrohydrodynamic jet printing of sintered type nano silver ink on a heated substrate. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 045012. | 1.5 | 4 |
| 32 | Tip-Viscid Electrohydrodynamic Jet 3D Printing of Composite Osteochondral Scaffold. <i>Nanomaterials</i> , 2021, 11, 2694. | 1.9 | 4 |
| 33 | A multi-scale E-jet 3D printing regulated by structured multi-physics field. <i>Journal of Micromechanics and Microengineering</i> , 2022, 32, 025005. | 1.5 | 4 |
| 34 | Fabrication and characterization of anode catalyst layers with structural variations for DMFC. <i>Materials Research Express</i> , 2018, 5, 046415. | 0.8 | 3 |
| 35 | Sandwichâ€Like Gelatin/Polycaprolactone/Polyvinyl Pyrrolidone 3D Model with Significantly Improved Cartilage Cells Adhesion and Regeneration. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100338. | 1.7 | 3 |
| 36 | Facile and scalable fabrication of Ni cantilever nanoprobe using silicon template and micro-electroforming techniques for nano-tip focused electrohydrodynamic jet printing. <i>Nanotechnology</i> , 2021, 32, 105301. | 1.3 | 3 |

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|----|--|-----|-----------|
| 37 | Patterning of graphene microscale structures using electrohydrodynamic atomisation deposition of photoresist moulds. <i>Micro and Nano Letters</i> , 2014, 9, 136-140. | 0.6 | 2 |
| 38 | Fabrication and characterisation of piezoelectric thick-film microcantilever deposited on stainless steel using electrohydrodynamic jet deposition. <i>Ceramics International</i> , 2021, 47, 28736-28743. | 2.3 | 1 |
| 39 | Self-adaptive 3D pairwise view registration by surface fitting and hill climbing method. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2015, 10, 350-352. | 0.8 | 0 |