

# Dazhi Wang

## List of Publications by Year in descending order

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39  
papers

499  
citations

686830

13  
h-index

752256

20  
g-index

39  
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39  
docs citations

39  
times ranked

478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical modeling and analysis of coaxial electrohydrodynamic jet printing. <i>Scientific Reports</i> , 2022, 12, 1924.	1.6	10
2	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
3	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
4	Phase field simulation of electrohydrodynamic jet droplets and printing microstructures on insulating substrates. <i>Microelectronic Engineering</i> , 2022, 261, 111817.	1.1	10
5	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
6	Numerical simulation of stable electrohydrodynamic cone-jet formation and printing on flexible substrate. <i>Microelectronic Engineering</i> , 2021, 237, 111496.	1.1	12
7	Numerical simulation of electrohydrodynamic jet and printing micro-structures on flexible substrate. <i>Microsystem Technologies</i> , 2021, 27, 3125-3139.	1.2	10
8	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
9	Preparation of aligned nanofibers using parallel inductive-plates assisted electrospinning. <i>Nanotechnology</i> , 2021, 32, 265303.	1.3	9
10	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
11	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
12	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
13	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
14	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
15	Tip-Viscid Electrohydrodynamic Jet 3D Printing of Composite Osteochondral Scaffold. <i>Nanomaterials</i> , 2021, 11, 2694.	1.9	4
16	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
17	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
18	Sacrificial layer-assisted nanoscale transfer printing. <i>Microsystems and Nanoengineering</i> , 2020, 6, 80.	3.4	13

#	ARTICLE	IF	CITATIONS
19	Microtip focused electrohydrodynamic jet printing with nanoscale resolution. <i>Nanoscale</i> , 2020, 12, 24450-24462.	2.8	18
20	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
21	Electrohydrodynamic jet 3D printing of PCL/PVP composite scaffold for cell culture. <i>Talanta</i> , 2020, 211, 120750.	2.9	34
22	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
23	Numerical simulation of coaxial electrohydrodynamic jet and printing nanoscale structures. <i>Microsystem Technologies</i> , 2019, 25, 4651-4661.	1.2	17
24	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
25	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
26	Fabrication and characterization of anode catalyst layers with structural variations for DMFC. <i>Materials Research Express</i> , 2018, 5, 046415.	0.8	3
27	Nanoscale coaxial focused electrohydrodynamic jet printing. <i>Nanoscale</i> , 2018, 10, 9867-9879.	2.8	41
28	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
29	Fabrication and characterisation of substrate-free PZT thick films. <i>Ceramics International</i> , 2018, 44, 14258-14263.	2.3	11
30	Enhance performance of micro direct methanol fuel cell by in situ CO <sub>2</sub> removal using novel anode flow field with superhydrophobic degassing channels. <i>Journal of Power Sources</i> , 2017, 351, 86-95.	4.0	20
31	Fabrication of micro/nano-structures by electrohydrodynamic jet technique. <i>Frontiers of Mechanical Engineering</i> , 2017, 12, 477-489.	2.5	18
32	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
33	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
34	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
35	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
36	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

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37	Novel Flow Field with Superhydrophobic Gas Channels Prepared by One-step Solvent-induced Crystallization for Micro Direct Methanol Fuel Cell. Nano-Micro Letters, 2015, 7, 165-171.	14.4	21
38	Patterning of graphene microscale structures using electrohydrodynamic atomisation deposition of photoresist moulds. Micro and Nano Letters, 2014, 9, 136-140.	0.6	2
39	Novel forming of columnar lead zirconate titanate structures. Journal of the European Ceramic Society, 2008, 28, 3131-3139.	2.8	13