

Yongqing Duan

List of Publications by Year in descending order

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62
papers

3,837
citations

159585

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168389

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all docs

62
docs citations

62
times ranked

4901
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Healing Kirigami Assembly Strategy for Conformal Electronics. <i>Advanced Functional Materials</i> , 2022, 32, 2109214.	14.9	34
2	Numerical investigation of high-frequency pulsating electrohydrodynamic jet at low electric Bond numbers. <i>Physics of Fluids</i> , 2022, 34, .	4.0	21
3	Electrohydrodynamically Printed Flexible Organic Memristor for Leaky Integrate and Fire Neuron. <i>IEEE Electron Device Letters</i> , 2022, 43, 116-119.	3.9	16
4	Critical Size/Viscosity for Coffee-Ring-Free Printing of Perovskite Micro/Nanopatterns. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14712-14720.	8.0	18
5	Residual oscillation suppression via waveform optimization for stable electrohydrodynamic drop-on-demand printing. <i>Additive Manufacturing</i> , 2022, 55, 102849.	3.0	6
6	Numerical analysis of electrohydrodynamic jet printing under constant and step change of electric voltages. <i>Physics of Fluids</i> , 2022, 34, .	4.0	20
7	Electrohydrodynamically Printed Multicolor Perovskite Image Sensor Array. , 2021, , .		1
8	High-Resolution, Flexible, and Full-Color Perovskite Image Photodetector via Electrohydrodynamic Printing of Ionic-Liquid-Based Ink. <i>Advanced Functional Materials</i> , 2021, 31, 2100857.	14.9	61
9	Programmable robotized "transfer-and-jet"™ printing for large, 3D curved electronics on complex surfaces. <i>International Journal of Extreme Manufacturing</i> , 2021, 3, 045101.	12.7	20
10	Enhancing pulsed electrohydrodynamic printing frequency via high-order-mode ejection. <i>Physics of Fluids</i> , 2021, 33, .	4.0	19
11	Enhanced geometric precision of non-contact, conformal 3D printing via "error-transferred" towards jetting-direction. <i>Precision Engineering</i> , 2021, 72, 1-12.	3.4	5
12	Theoretical and experimental studies of laser lift-off of nonwrinkled ultrathin polyimide film for flexible electronics. <i>Applied Surface Science</i> , 2020, 499, 143910.	6.1	35
13	Morphology-programmable self-aligned microlens array for light extraction via electrohydrodynamic printing. <i>Organic Electronics</i> , 2020, 87, 105969.	2.6	14
14	High-Resolution Pixelated Light Emitting Diodes Based on Electrohydrodynamic Printing and Coffee-Ring-Free Quantum Dot Film. <i>Advanced Materials Technologies</i> , 2020, 5, 2000401.	5.8	44
15	Fabrication Techniques for Curved Electronics on Arbitrary Surfaces. <i>Advanced Materials Technologies</i> , 2020, 5, 2000093.	5.8	47
16	Active curved surface deforming of flexible conformal electronics by multi-fingered actuator. <i>Robotics and Computer-Integrated Manufacturing</i> , 2020, 64, 101942.	9.9	11
17	Electrohydrodynamically Printed High-Resolution Full-Color Hybrid Perovskites. <i>Advanced Functional Materials</i> , 2019, 29, 1903294.	14.9	97
18	Laser Transfer, Printing, and Assembly Techniques for Flexible Electronics. <i>Advanced Electronic Materials</i> , 2019, 5, 1800900.	5.1	91

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19	Assembly and applications of 3D conformal electronics on curvilinear surfaces. <i>Materials Horizons</i> , 2019, 6, 642-683.	12.2	141
20	Theoretical and experimental studies of electrostatic focusing for electrohydrodynamic jet printing. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 065002.	2.6	14
21	Charged Satellite Drop Avoidance in Electrohydrodynamic Dripping. <i>Micromachines</i> , 2019, 10, 172.	2.9	5
22	Experimental study of laser lift-off of ultra-thin polyimide film for flexible electronics. <i>Science China Technological Sciences</i> , 2019, 62, 233-242.	4.0	30
23	Coffee ring elimination and crystalline control of electrohydrodynamically printed high-viscosity perovskites. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14867-14873.	5.5	38
24	Large-scale Direct-Writing of Aligned Nanofibers for Flexible Electronics. <i>Small</i> , 2018, 14, e1703521.	10.0	126
25	Design and Development of a Spherical Motor for Conformal Printing of Curved Electronics. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 9190-9200.	7.9	49
26	Electrohydrodynamic Direct-Writing for Flexible Electronic Manufacturing. , 2018, , .		18
27	Introduction of Electrohydrodynamic Printing. , 2018, , 1-29.		0
28	Mechano-electrospinning (MES). , 2018, , 31-65.		3
29	Helix Electrohydrodynamic Printing (HE-Printing). , 2018, , 67-88.		0
30	EHD Equipment and Applications. , 2018, , 157-194.		1
31	Inks for EHD Printing. , 2018, , 89-116.		2
32	Nozzles for EHD Printing. , 2018, , 117-132.		1
33	Experimental Study of the Influence of Ink Properties and Process Parameters on Ejection Volume in Electrohydrodynamic Jet Printing. <i>Micromachines</i> , 2018, 9, 522.	2.9	34
34	32.2: Multifunctional electrohydrodynamic printing and its industrial applications in flat panel display manufacturing. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 351-354.	0.3	2
35	The Conformal Design of an Island-Bridge Structure on a Non-Developable Surface for Stretchable Electronics. <i>Micromachines</i> , 2018, 9, 392.	2.9	33
36	High-Performance, Micrometer Thick/Conformal, Transparent Metal Network Electrodes for Flexible and Curved Electronic Devices. <i>Advanced Materials Technologies</i> , 2018, 3, 1800155.	5.8	36

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37	Control Method for EHD Printing. , 2018, , 133-156.		0
38	Theoretical and experimental study of 2D conformability of stretchable electronics laminated onto skin. Science China Technological Sciences, 2017, 60, 1415-1422.	4.0	31
39	In-plane Deformation Mechanics for Highly Stretchable Electronics. Advanced Materials, 2017, 29, 1604989.	21.0	141
40	Flexible small-channel thin-film transistors by electrohydrodynamic lithography. Nanoscale, 2017, 9, 19050-19057.	5.6	36
41	Buckling-driven self-assembly of self-similar inspired micro/nanofibers for ultra-stretchable electronics. Soft Matter, 2017, 13, 7244-7254.	2.7	25
42	Hyper-stretchable self-powered sensors based on electrohydrodynamically printed, self-similar piezoelectric nano/microfibers. Nano Energy, 2017, 40, 432-439.	16.0	150
43	Helix Electrohydrodynamic Printing of Highly Aligned Serpentine Micro/Nanofibers. Polymers, 2017, 9, 434.	4.5	37
44	Ultra-Stretchable Piezoelectric Nanogenerators via Large-Scale Aligned Fractal Inspired Micro/Nanofibers. Polymers, 2017, 9, 714.	4.5	26
45	Energy Harvesters for Wearable and Stretchable Electronics: From Flexibility to Stretchability. Advanced Materials, 2016, 28, 9881-9919.	21.0	407
46	Analytical investigation on thermal-induced warpage behavior of ultrathin chip-on-flex (UTCOF) assembly. Science China Technological Sciences, 2016, 59, 1646-1655.	4.0	5
47	Addressable multi-nozzle electrohydrodynamic jet printing with high consistency by multi-level voltage method. AIP Advances, 2015, 5, .	1.3	28
48	Near-field behavior of electrified jet under moving substrate constrains. AIP Advances, 2015, 5, .	1.3	20
49	A patterned ZnO nanorod array/gas sensor fabricated by mechano-electrospinning-assisted selective growth. Chemical Communications, 2015, 51, 3117-3120.	4.1	41
50	Competing buckling of micro/nanowires on compliant substrates. Journal Physics D: Applied Physics, 2015, 48, 045302.	2.8	16
51	Electrohydrodynamically Printed, Flexible Energy Harvester Using In-plane Poled Piezoelectric Nanofibers. Energy Technology, 2015, 3, 351-358.	3.8	38
52	Highly sensitive, temperature-dependent gas sensor based on hierarchical ZnO nanorod arrays. Journal of Materials Chemistry C, 2015, 3, 11397-11405.	5.5	105
53	Elasticity of Fractal Inspired Interconnects. Small, 2015, 11, 367-373.	10.0	84
54	Non-wrinkled, highly stretchable piezoelectric devices by electrohydrodynamic direct-writing. Nanoscale, 2014, 6, 3289.	5.6	129

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55	Conformable amplified lead zirconate titanate sensors with enhanced piezoelectric response for cutaneous pressure monitoring. <i>Nature Communications</i> , 2014, 5, 4496.	12.8	757
56	Process Optimization of Mechano-Electrospinning by Response Surface Methodology. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 3464-3472.	0.9	12
57	Versatile, kinetically controlled, high precision electrohydrodynamic writing of micro/nanofibers. <i>Scientific Reports</i> , 2014, 4, 5949.	3.3	70
58	Transfer printing and patterning of stretchable electrospun film. <i>Thin Solid Films</i> , 2013, 544, 152-156.	1.8	8
59	Electrohydrodynamic direct-writing. <i>Nanoscale</i> , 2013, 5, 12007.	5.6	202
60	Continuously Tunable and Oriented Nanofiber Direct-Written by Mechano-Electrospinning. <i>Materials and Manufacturing Processes</i> , 2012, 27, 1318-1323.	4.7	78
61	Controllable self-organization of colloid microarrays based on finite length effects of electrospun ribbons. <i>Soft Matter</i> , 2012, 8, 8302.	2.7	49
62	Inkjet printing for flexible electronics: Materials, processes and equipments. <i>Science Bulletin</i> , 2010, 55, 3383-3407.	1.7	249