

Min-gu Kim

List of Publications by Year in descending order

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36
papers

712
citations

759233

12
h-index

642732

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37
all docs

37
docs citations

37
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-Scalable and High-Density Liquid-Metal-Based Soft Electronic Passive Components and Circuits Using Soft Lithography. <i>Advanced Functional Materials</i> , 2017, 27, 1604466.	14.9	107
2	Nanofabrication for all-soft and high-density electronic devices based on liquid metal. <i>Nature Communications</i> , 2020, 11, 1002.	12.8	101
3	Letter: The Combined Use of Needle with Hair Transplanter for Hair Recipient Sites. <i>Dermatologic Surgery</i> , 2007, 33, 128-129.	0.8	79
4	3D-Integrated and Multifunctional All-Soft Physical Microsystems Based on Liquid Metal for Electronic Skin Applications. <i>Advanced Electronic Materials</i> , 2018, 4, 1700434.	5.1	59
5	All-Soft Supercapacitors Based on Liquid Metal Electrodes with Integrated Functionalized Carbon Nanotubes. <i>ACS Nano</i> , 2020, 14, 5659-5667.	14.6	57
6	Flexible Fringe Effect Capacitive Sensors with Simultaneous High-Performance Contact and Non-Contact Sensing Capabilities. <i>Small Structures</i> , 2021, 2, 2000079.	12.0	57
7	Prediction and evaluation of the cooling performance of radiators used in oil-filled power transformer applications with non-direct and direct-oil-forced flow. <i>Experimental Thermal and Fluid Science</i> , 2013, 44, 392-397.	2.7	47
8	All-soft, battery-free, and wireless chemical sensing platform based on liquid metal for liquid- and gas-phase VOC detection. <i>Lab on A Chip</i> , 2017, 17, 2323-2329.	6.0	40
9	Multiscale and Uniform Liquid Metal Thin-Film Patterning Based on Soft Lithography for 3D Heterogeneous Integrated Soft Microsystems: Additive Stamping and Subtractive Reverse Stamping. <i>Advanced Materials Technologies</i> , 2018, 3, 1800061.	5.8	35
10	A Survey and Proposed Framework on the Soft Biometrics Technique for Human Identification in Intelligent Video Surveillance System. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-7.	3.0	21
11	Letter: Combination Therapy of Epidermal Graft and Systemic Corticosteroid for Vitiligo. <i>Dermatologic Surgery</i> , 2007, 33, 1002-1003.	0.8	17
12	Optimal Design of Passive Resonating Wireless Sensors for Wearable and Implantable Devices. <i>IEEE Sensors Journal</i> , 2019, 19, 7460-7470.	4.7	13
13	Post-surgical wireless monitoring of arterial health progression. <i>IScience</i> , 2021, 24, 103079.	4.1	9
14	Wall loss reduction technique using an electrodynamic disturbance for airborne particle processing chip applications. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 035034.	2.6	7
15	Miniaturized One-Point Detectable Electrocardiography Sensor for Portable Physiological Monitoring Systems. <i>IEEE Sensors Journal</i> , 2012, 12, 2423-2424.	4.7	7
16	Reactive sintering of (K _{0.5} Bi _{0.5})TiO ₃ -BiFeO ₃ lead-free piezoelectric ceramics. <i>Journal of the Korean Physical Society</i> , 2015, 66, 1426-1438.	0.7	6
17	All-soft physical and chemical microsystems based on liquid metal for wearable electronics applications. , 2017, , .		6
18	An electrodynamic preconcentrator integrated thermoelectric biosensor chip for continuous monitoring of biochemical process. <i>Journal of Micromechanics and Microengineering</i> , 2012, 22, 045022.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Bio-inspired fluidic thermal angular accelerometer with inherent linear acceleration rejection. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 566-576.	4.1	5
20	Letter: The Effect of Epidermal Graft on a Suction Blistered Donor Wound. <i>Dermatologic Surgery</i> , 2006, 32, 1305-1306.	0.8	4
21	All-soft sensing platform based on liquid metal for liquid- and gas-phase VOC detection. , 2016, , .		4
22	Automated High-Throughput Hermetic Failure Monitoring System for Millimeter-Sized Wireless Implantable Medical Devices. , 2019, , .		4
23	An integrated microchannel with continuous electrodynamic anti-adhesion capability for particle loss reduction in air-based microfluidic chips. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 2517-2530.	2.6	3
24	A study on the flame detection and object classification technique using the color information. , 2015, , .		3
25	Bio-inspired fluidic thermal angular accelerometer. , 2016, , .		3
26	Longitudinal and latitudinal split-gate field-effect transistors for NAND and NOR logic circuit applications. <i>Npj 2D Materials and Applications</i> , 2022, 6, .	7.9	3
27	A Study on the Human Identification Technique for Privacy Protection in Intelligent Video Surveillance System. , 2011, , .		2
28	An Anti-Adhesion Technique in Microfluidic Channel Using Dielectrophoresis for Particle Processing Microfluidic Chip Applications. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1524-1534.	1.1	1
29	Parylene-on-oil encapsulation process for bio-inspired angular accelerometer. , 2017, , .		1
30	Room-tempearutre CO ₂ sensing based on interdigitated capacitors and resonant cantilevers. , 2017, , .		1
31	Submicrometer-Scale All-Soft Electronics Based on Liquid Metal. , 2019, , .		1
32	Wearable System Design using Intrinsically Stretchable Temperature Sensor. , 2020, , .		1
33	Amine-Functionalized Capacitive Carbon Dioxide Sensor Performance as a Function of Temperature and Sensing Film Thickness. <i>IEEE Sensors Journal</i> , 2021, 21, 14645-14654.	4.7	1
34	An anti-adhesion technique reducing particle-loss using electrodynamic distrurbance for aerodynamic chip. , 2009, , .		0
35	An electrodynamic preconcentrator-integrated thermoelectric biosensor chip for continuous monitoring. , 2011, , .		0
36	Room temperature CO ₂ detection using interdigitated capacitors with heteropolysiloxane sensing films. , 2016, , .		0