

Min-gu Kim

List of Publications by Year in descending order

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36
papers

712
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759233

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37
all docs

37
docs citations

37
times ranked

817
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal and latitudinal split-gate field-effect transistors for NAND and NOR logic circuit applications. Npj 2D Materials and Applications, 2022, 6, .	7.9	3
2	Flexible Fringe Effect Capacitive Sensors with Simultaneous High-Performance Contact and Non-Contact Sensing Capabilities. Small Structures, 2021, 2, 2000079.	12.0	57
3	Amine-Functionalized Capacitive Carbon Dioxide Sensor Performance as a Function of Temperature and Sensing Film Thickness. IEEE Sensors Journal, 2021, 21, 14645-14654.	4.7	1
4	Post-surgical wireless monitoring of arterial health progression. IScience, 2021, 24, 103079.	4.1	9
5	Wearable System Design using Intrinsically Stretchable Temperature Sensor. , 2020, , .		1
6	All-Soft Supercapacitors Based on Liquid Metal Electrodes with Integrated Functionalized Carbon Nanotubes. ACS Nano, 2020, 14, 5659-5667.	14.6	57
7	Nanofabrication for all-soft and high-density electronic devices based on liquid metal. Nature Communications, 2020, 11, 1002.	12.8	101
8	Submicrometer-Scale All-Soft Electronics Based on Liquid Metal. , 2019, , .		1
9	Optimal Design of Passive Resonating Wireless Sensors for Wearable and Implantable Devices. IEEE Sensors Journal, 2019, 19, 7460-7470.	4.7	13
10	Automated High-Throughput Hermetic Failure Monitoring System for Millimeter-Sized Wireless Implantable Medical Devices. , 2019, , .		4
11	3D-Integrated and Multifunctional All-Soft Physical Microsystems Based on Liquid Metal for Electronic Skin Applications. Advanced Electronic Materials, 2018, 4, 1700434.	5.1	59
12	Multiscale and Uniform Liquid Metal Thin-Film Patterning Based on Soft Lithography for 3D Heterogeneous Integrated Soft Microsystems: Additive Stamping and Subtractive Reverse Stamping. Advanced Materials Technologies, 2018, 3, 1800061.	5.8	35
13	Bio-inspired fluidic thermal angular accelerometer with inherent linear acceleration rejection. Sensors and Actuators A: Physical, 2018, 279, 566-576.	4.1	5
14	All-soft physical and chemical microsystems based on liquid metal for wearable electronics applications. , 2017, , .		6
15	All-soft, battery-free, and wireless chemical sensing platform based on liquid metal for liquid- and gas-phase VOC detection. Lab on A Chip, 2017, 17, 2323-2329.	6.0	40
16	Parylene-on-oil encapsulation process for bio-inspired angular accelerometer. , 2017, , .		1
17	Size-Scalable and High-Density Liquid-Metal-Based Soft Electronic Passive Components and Circuits Using Soft Lithography. Advanced Functional Materials, 2017, 27, 1604466.	14.9	107
18	Room-temperature CO ₂ sensing based on interdigitated capacitors and resonant cantilevers. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Room temperature CO ₂ detection using interdigitated capacitors with heteropolysiloxane sensing films. , 2016, , .		0
20	All-soft sensing platform based on liquid metal for liquid- and gas-phase VOC detection. , 2016, , .		4
21	Bio-inspired fluidic thermal angular accelerometer. , 2016, , .		3
22	A study on the flame detection and object classification technique using the color information. , 2015, , .		3
23	An Anti-Adhesion Technique in Microfluidic Channel Using Dielectrophoresis for Particle Processing Microfluidic Chip Applications. Journal of Biomedical Nanotechnology, 2015, 11, 1524-1534.	1.1	1
24	Reactive sintering of (K _{0.5} Bi _{0.5})TiO ₃ -BiFeO ₃ lead-free piezoelectric ceramics. Journal of the Korean Physical Society, 2015, 66, 1426-1438.	0.7	6
25	Prediction and evaluation of the cooling performance of radiators used in oil-filled power transformer applications with non-direct and direct-oil-forced flow. Experimental Thermal and Fluid Science, 2013, 44, 392-397.	2.7	47
26	An integrated microchannel with continuous electrodynamic anti-adhesion capability for particle loss reduction in air-based microfluidic chips. Journal of Adhesion Science and Technology, 2013, 27, 2517-2530.	2.6	3
27	A Survey and Proposed Framework on the Soft Biometrics Technique for Human Identification in Intelligent Video Surveillance System. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-7.	3.0	21
28	Miniaturized One-Point Detectable Electrocardiography Sensor for Portable Physiological Monitoring Systems. IEEE Sensors Journal, 2012, 12, 2423-2424.	4.7	7
29	An electrodynamic preconcentrator integrated thermoelectric biosensor chip for continuous monitoring of biochemical process. Journal of Micromechanics and Microengineering, 2012, 22, 045022.	2.6	5
30	A Study on the Human Identification Technique for Privacy Protection in Intelligent Video Surveillance System. , 2011, , .		2
31	An electrodynamic preconcentrator-integrated thermoelectric biosensor chip for continuous monitoring. , 2011, , .		0
32	Wall loss reduction technique using an electrodynamic disturbance for airborne particle processing chip applications. Journal of Micromechanics and Microengineering, 2010, 20, 035034.	2.6	7
33	An anti-adhesion technique reducing particle-loss using electrodynamic disturbance for aerodynamic chip. , 2009, , .		0
34	Letter: The Combined Use of Needle with Hair Transplanter for Hair Recipient Sites. Dermatologic Surgery, 2007, 33, 128-129.	0.8	79
35	Letter: Combination Therapy of Epidermal Graft and Systemic Corticosteroid for Vitiligo. Dermatologic Surgery, 2007, 33, 1002-1003.	0.8	17
36	Letter: The Effect of Epidermal Graft on a Suction Blistered Donor Wound. Dermatologic Surgery, 2006, 32, 1305-1306.	0.8	4