

Jong-Soo Ko

List of Publications by Year in descending order

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41
papers

623
citations

566801

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docs citations

41
times ranked

683
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible thermoelectric generator with polydimethyl siloxane in thermoelectric material and substrate. <i>Current Applied Physics</i> , 2016, 16, 1442-1448.	1.1	45
2	Irregular Microdome Structure-Based Sensitive Pressure Sensor Using Internal Popping of Microspheres. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	45
3	Flexible and Micropatternable Triplet-Triplet Annihilation Upconversion Thin Films for Photonic Device Integration and Anticounterfeiting Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8985-8992.	4.0	43
4	Creation of microstructured surfaces using Cu-Ni composite electrodeposition and their application to superhydrophobic surfaces. <i>Applied Surface Science</i> , 2014, 289, 14-20.	3.1	39
5	Control of highly migratory cells by microstructured surface based on transient change in cell behavior. <i>Biomaterials</i> , 2010, 31, 8539-8545.	5.7	36
6	One-step fabrication of nickel nanocones by electrodeposition using $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ as capping reagent. <i>Applied Surface Science</i> , 2016, 369, 163-169.	3.1	33
7	Effect of NaCl in a nickel electrodeposition on the formation of nickel nanostructure. <i>Journal of Materials Science</i> , 2016, 51, 3036-3044.	1.7	31
8	Linearly Sensitive and Flexible Pressure Sensor Based on Porous Carbon Nanotube/Polydimethylsiloxane Composite Structure. <i>Polymers</i> , 2020, 12, 1499.	2.0	31
9	Linearly Sensitive Pressure Sensor Based on a Porous Multistacked Composite Structure with Controlled Mechanical and Electrical Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28975-28984.	4.0	27
10	Cascade Modeling of Pixelated Scintillator Detectors for X-Ray Imaging. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 1357-1366.	1.2	24
11	Characteristics of motility-based filtering of adherent cells on microgrooved surfaces. <i>Biomaterials</i> , 2012, 33, 395-401.	5.7	22
12	Highly Reliable Superhydrophobic Surface with Carbon Nanotubes Immobilized on a PDMS/Adhesive Multilayer. <i>ACS Omega</i> , 2018, 3, 12956-12966.	1.6	22
13	Fabrication and Performance Evaluation of Highly Sensitive Flexible Strain Sensors with Aligned Silver Nanowires. <i>Micromachines</i> , 2020, 11, 156.	1.4	22
14	Thermoelectric generator based on a bismuth-telluride alloy fabricated by addition of ethylene glycol. <i>Current Applied Physics</i> , 2014, 14, 1788-1793.	1.1	16
15	High-shock silicon accelerometer with a plate spring. <i>International Journal of Precision Engineering and Manufacturing</i> , 2016, 17, 637-644.	1.1	16
16	Fabrication of nickel micromesh sheets and evaluation of their water-repellent and water-proof abilities. <i>International Journal of Precision Engineering and Manufacturing</i> , 2009, 10, 161-166.	1.1	15
17	Observation of water condensate on hydrophobic micro textured surfaces. <i>Heat and Mass Transfer</i> , 2013, 49, 955-962.	1.2	15
18	High-shock silicon accelerometer with suspended piezoresistive sensing bridges. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 1449-1454.	0.7	15

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19	Characterization of imaging performances of gadolinium-oxysulfide phosphors made for X-ray imaging by using a sedimentation process. Journal of the Korean Physical Society, 2012, 60, 514-520.	0.3	12
20	Skin friction reduction in tubes with hydrophobically structured surfaces. International Journal of Precision Engineering and Manufacturing, 2013, 14, 299-306.	1.1	12
21	Self-Restoring Capacitive Pressure Sensor Based on Three-Dimensional Porous Structure and Shape Memory Polymer. Polymers, 2021, 13, 824.	2.0	11
22	Cu-Ni alloy electrodeposition on microstructured surfaces. Journal of Materials Science, 2015, 50, 393-402.	1.7	10
23	Influence of open area ratio on microstructure shape in Cu-Ni alloy electrodeposition. Applied Physics A: Materials Science and Processing, 2015, 118, 579-585.	1.1	10
24	Fabrication of curved copper micromesh sheets using flexible PDMS molds. Microsystem Technologies, 2008, 14, 829-833.	1.2	9
25	Fabrication of self-encapsulated nickel microchannels and nickel nanowalls by reactive ion etching. Journal of Materials Processing Technology, 2008, 208, 111-116.	3.1	8
26	Effect of the diffusion rate of the copper ions on the co-electrodeposition of copper and nickel. International Journal of Precision Engineering and Manufacturing, 2013, 14, 2009-2014.	1.1	8
27	Capacitive Oil Detector Using Hydrophobic and Oleophilic PDMS Sponge. International Journal of Precision Engineering and Manufacturing - Green Technology, 2018, 5, 303-309.	2.7	7
28	Alignment of silver nanowires using heat-assisted dip-coating method. AIP Advances, 2020, 10, .	0.6	7
29	Super Wear Resistant Nanostructured Superhydrophobic Surface. International Journal of Precision Engineering and Manufacturing - Green Technology, 2022, 9, 1177-1189.	2.7	6
30	High-shock silicon accelerometer with an over-range stopper. Journal of Mechanical Science and Technology, 2016, 30, 1817-1824.	0.7	4
31	Capacitive micro-oil detector with a nanotextured superhydrophobic/superoleophilic surface. Sensors and Actuators B: Chemical, 2016, 237, 974-983.	4.0	4
32	Formation of microstructure by copper-cuprous co-electrodeposition using stirring and boric acid addition. International Journal of Precision Engineering and Manufacturing, 2017, 18, 871-877.	1.1	4
33	Microwrinkles by deposition of aluminum onto polydimethylsiloxane. Materials Letters, 2012, 81, 119-122.	1.3	3
34	Flexible pressure sensor made using PDMS containing carbon nanotubes. , 2018, , .		3
35	Design and Fabrication of a Laterally Driven Bistable Electromagnetic Microrelay. , 2007, , .		2
36	Microfluidic Centrifuge of Nano Particles using Rotating Flow in a Microchamber. , 2007, , .		2

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37	A Study on the Optimization of Electroplating Conditions for Silicon Vias Using the Taguchi Experimental Design Method. International Journal of Precision Engineering and Manufacturing, 2019, 20, 437-442.	1.1	2
38	Evaluation of surface wettability by means of the measurement of the adhesive force between a microstructured hydrophobic surface and a water droplet. International Journal of Precision Engineering and Manufacturing, 2014, 15, 2397-2404.	1.1	1
39	Fundamental study of direct microporous process using laser shock wave. Applied Physics B: Lasers and Optics, 2015, 119, 439-444.	1.1	1
40	PDMS bonding to organically-modified solid surface using photocatalyst for fabricating low-cost plastic microchip. , 2010, , .		0
41	GS1-11 THE EFFECTS OF DISTRIBUTION OF ADHESION PROTEINS ON SENSING MICROGROOVED STRUCTURE IN MIGRATING CELLS(GS1: Cell and Tissue Biomechanics II). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 125.	0.0	0