

Kwang-Cheol Lee

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

302
citations

1040056

9
h-index

1281871

11
g-index

14
all docs

14
docs citations

14
times ranked

379
citing authors

#	ARTICLE	IF	CITATIONS
1	An electrochemical impedance biosensor with aptamer-modified pyrolyzed carbon electrode for label-free protein detection. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 372-379.	7.8	133
2	Design of the KRISS watt balance. <i>Metrologia</i> , 2014, 51, S96-S100.	1.2	48
3	Fabrication and characterization of freestanding 3D carbon microstructures using multi-exposures and resist pyrolysis. <i>Journal of Micromechanics and Microengineering</i> , 2008, 18, 035012.	2.6	41
4	Biosensor utilizing resist-derived carbon nanostructures. <i>Applied Physics Letters</i> , 2007, 90, 264103.	3.3	16
5	Deep X-ray mask with integrated actuator for 3D microfabrication. <i>Sensors and Actuators A: Physical</i> , 2003, 108, 121-127.	4.1	12
6	Establishment of KRISS watt balance system to have high uniformity performance. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 945-953.	2.2	12
7	Realization of the kilogram using the KRISS Kibble balance. <i>Metrologia</i> , 2020, 57, 055006.	1.2	11
8	Deep X-ray mask with integrated electro-thermal micro xy-stage for 3D fabrication. <i>Sensors and Actuators A: Physical</i> , 2004, 111, 37-43.	4.1	9
9	The fabrication of carbon nanostructures using electron beam resist pyrolysis and nanomachining processes for biosensing applications. <i>Nanotechnology</i> , 2008, 19, 215302.	2.6	9
10	Gravity Measurement for the KRISS Watt Balance. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 1317-1322.	4.7	5
11	High frequency carbon nanomechanical resonators embedded with carbon nanotube stiffening layers. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	4
12	Deep X-Ray Mask With Integrated Actuator for 3D LIGA Process. , 2002, , .		2
13	Fabrication and Characterization of Pyrolyzed Carbon for Use as an Electrode Material in Electrochemical Biosensor. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2007, 31, 986-992.	0.2	0
14	Fabrication of Carbon Microneedle Arrays with High Aspect Ratios and The Control of Hydrophobicity of These Arrays for Bio-Applications. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2010, 34, 1721-1725.	0.2	0