

Sangwon Kim

List of Publications by Year in descending order

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16
papers

1,116
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1493
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Characterization of Magnetic Microrobots for Three-Dimensional Cell Culture and Targeted Transportation. <i>Advanced Materials</i> , 2013, 25, 5863-5868.	21.0	360
2	Magnetically actuated microrobots as a platform for stem cell transplantation. <i>Science Robotics</i> , 2019, 4, .	17.6	247
3	Fabrication and Manipulation of Ciliary Microrobots with Non-reciprocal Magnetic Actuation. <i>Scientific Reports</i> , 2016, 6, 30713.	3.3	114
4	3D Fabrication of Fully Iron Magnetic Microrobots. <i>Small</i> , 2019, 15, e1805006.	10.0	79
5	Indirect 3D and 4D Printing of Soft Robotic Microstructures. <i>Advanced Materials Technologies</i> , 2019, 4, 1900332.	5.8	78
6	A Capsule-Type Microrobot with Pick-and-Drop Motion for Targeted Drug and Cell Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, e1700985.	7.6	77
7	Fabrication and Characterization of a Magnetic Drilling Actuator for Navigation in a Three-dimensional Phantom Vascular Network. <i>Scientific Reports</i> , 2018, 8, 3691.	3.3	60
8	Magnetically Actuated SiCN-Based Ceramic Microrobot for Guided Cell Delivery. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900739.	7.6	29
9	A 3D Microscaffold Cochlear Electrode Array for Steroid Elution. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900379.	7.6	23
10	Characterization of a Piezoelectric AlN Beam Array in Air and Fluid for an Artificial Basilar Membrane. <i>Electronic Materials Letters</i> , 2018, 14, 101-111.	2.2	11
11	Piezoelectric performance of continuous beam and narrow supported beam arrays for artificial basilar membranes. <i>Electronic Materials Letters</i> , 2014, 10, 1011-1018.	2.2	10
12	Influence of mechanical coupling by SiO ₂ membrane on the frequency selectivity of microfabricated beam arrays for artificial basilar membranes. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 963-971.	1.5	8
13	Characterization and modeling of an acoustic sensor using AlN thin-film for frequency selectivity. <i>Electronic Materials Letters</i> , 2014, 10, 299-303.	2.2	5
14	Microrobotics: 3D Fabrication of Fully Iron Magnetic Microrobots (Small 16/2019). <i>Small</i> , 2019, 15, 1970086.	10.0	2
15	Biocompatible Microrobots: Magnetically Actuated SiCN-Based Ceramic Microrobot for Guided Cell Delivery (Adv. Healthcare Mater. 21/2019). <i>Advanced Healthcare Materials</i> , 2019, 8, 1970085.	7.6	2
16	Design and fabrication of a mems test socket with an attached tip for a ball-grid-array integrated circuit package. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 2807-2814.	1.5	0