Bonnie L Gray

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11336236/publications.pdf

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22	320	1039880 9	1199470 12
papers	citations	h-index	g-index

22	22	22	538
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OSTE+ Polymer Composite with Rare Earth Hard Magnetic Particles for Flexible Reaction Injection-Moldable Microfluidic Actuators. , 2021, , .		0
2	Polymer Nanocomposites for Flexible and Wearable Fluidic and Biomedical Microdevices. , 2018, , .		3
3	Design, fabrication and characterization of an arrayable all-polymer microfluidic valve employing highly magnetic rare-earth composite polymer. Journal of Micromechanics and Microengineering, 2016, 26, 055012.	1.5	20
4	On-Board Array for Multiplexed Semi-Active Cooling-Rate-Controlled Cryopreservation of Living Cells. Journal of Medical and Biological Engineering, 2016, 36, 206-213.	1.0	3
5	A new low-cost, thick-film metallization transfer process onto PDMS using a sacrificial copper seed. , 2014, , .		2
6	A Review of Magnetic Composite Polymers Applied to Microfluidic Devices. Journal of the Electrochemical Society, 2014, 161, B3173-B3183.	1.3	56
7	Microfluidic active mixers employing ultra-high aspect-ratio rare-earth magnetic nano-composite polymer artificial cilia. Journal of Micromechanics and Microengineering, 2014, 24, 025003.	1.5	32
8	Smart and functional polymer materials for smart and functional microfluidic instruments. , 2014, , .		0
9	Microinstrument for optical monitoring of endothelial cell migration under controlled tension/compression via integrated magnetic composite polymer actuation. , 2014, , .		2
10	SU-8- and PDMS-based hybrid fabrication technology for combination of permanently bonded flexible and rigid features on a single device. Journal of Micromechanics and Microengineering, 2013, 23, 065029.	1.5	11
11	Fabrication Process for Electromagnetic Actuators Compatible with Polymer Based Microfluidic Devices. ECS Transactions, 2012, 41, 7-17.	0.3	18
12	Detecting Antibodies Secreted by Trapped Cells Using Extraordinary Optical Transmission. IEEE Sensors Journal, 2011, 11, 2732-2739.	2.4	9
13	Creating Defect Tolerance in Microfluidic Capacitive/Photonic Biosensors. , 2011, , .		3
14	Flexible Three-Dimensional Electrochemical Glucose Sensor with Improved Sensitivity Realized in Hybrid Polymer Microelectromechanical Systems Technique. Journal of Diabetes Science and Technology, 2011, 5, 1036-1043.	1.3	15
15	Effect of surface treatments/coatings and soft bake profile on surface uniformity and adhesion of SU-8 on a glass substrate. , 2010, , .		3
16	A sacrificial SU-8 mask for direct metallization on PDMS. Journal of Micromechanics and Microengineering, 2009, 19, 115014.	1.5	25
17	PDMS as a sacrificial substrate for SU-8-based biomedical and microfluidic applications. Journal of Micromechanics and Microengineering, 2008, 18, 095028.	1.5	43
18	Design for testing SU-8 and PDMS based hybrid glucose sensor. , 2008, , .		1

#	Article	IF	Citations
19	Mechanical assembly and magnetic actuation of polydimethylsiloxane-iron composite interconnects for microfluidic systems. Proceedings of SPIE, 2008, , .	0.8	4
20	Thick SU-8 and PDMS Three-Dimensional Enclosed Channels for Free-Standing Polymer Microfluidic Systems. , 2007, , .		2
21	Design of Electrical Interconnect for SU-8 Microfluidic Systems. , 2007, , .		1
22	Microchannel Platform for the Study of Endothelial Cell Shape and Function. Biomedical Microdevices, 2002, 4, 9-16.	1.4	67