Sonia Grego

List of Publications by Year
in descending order

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24	1,441	567281 15	713466 21
papers	citations	h-index	g-index

26	26	26	2133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly flexible transparent electrodes for organic light-emitting diode-based displays. Applied Physics Letters, 2004, 85, 3450-3452.	3.3	245
2	EB1â€“Microtubule Interactions in Xenopus Egg Extracts: Role of EB1 in Microtubule Stabilization and Mechanisms of Targeting to Microtubules. Molecular Biology of the Cell, 2002, 13, 3614-3626.	2.1	185
3	EB1-Microtubule Interactions in Xenopus Egg Extracts: Role of EB1 in Microtubule Stabilization and Mechanisms of Targeting to Microtubules. Molecular Biology of the Cell, 2002, 13, 3614-3626.	2.1	155
4	A Perspective on Nanowire Photodetectors: Current Status, Future Challenges, and Opportunities. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1002-1032.	2.9	135
5	An AC Electrokinetic Technique for Collection and Concentration of Particles and Cells on Patterned Electrodes. Langmuir, 2005, 21, 6603-6612.	3.5	130
6	A biomimetic multicellular model of the airways using primary human cells. Lab on A Chip, 2014, 14, 3349-3358.	6.0	108
7	An optically transparent membrane supports shear stress studies in a three-dimensional microfluidic neurovascular unit model. Biomicrofluidics, 2015, 9, 061102.	2.4	80
8	High-throughput cardiac safety evaluation and multi-parameter arrhythmia profiling of cardiomyocytes using microelectrode arrays. Toxicology and Applied Pharmacology, 2015, 288, 249-257.	2.8	70
9	Development and evaluation of bend-testing techniques for flexible-display applications. Journal of the Society for Information Display, 2005, 13, 575.	2.1	62
10	A method to evaluate mechanical performance of thin transparent films for flexible displays. Thin Solid Films, 2007, 515, 4745-4752.	1.8	56
11	Microtubule Treadmilling in Vitro Investigated by Fluorescence Speckle and Confocal Microscopy. Biophysical Journal, 2001, 81, 66-78.	0.5	51
12	On-chip collection of particles and cells by AC electroosmotic pumping and dielectrophoresis using asymmetric microelectrodes. Biomicrofluidics, 2011, 5, 34113-3411317.	2.4	45
13	Wavelength interrogation of grating-based optical biosensors in the input coupler configuration. Sensors and Actuators B: Chemical, 2008, 131, 347-355.	7.8	26
14	In Vitro Exposure Systems and Dosimetry Assessment Tools for Inhaled Tobacco Products: Workshop Proceedings, Conclusions and Paths Forward for In Vitro Model Use. ATLA Alternatives To Laboratory Animals, 2017, 45, 117-158.	1.0	21
15	A compact and multichannel optical biosensor based on a wavelength interrogated input grating coupler. Sensors and Actuators B: Chemical, 2012, 161, 721-727.	7.8	20
16	Mechanical Performance of Thin Films in Flexible Displays. Materials Research Society Symposia Proceedings, 2004, 814, 307.	0.1	15
17	Nanoimprint lithography fabrication of waveguide-integrated optical gratings with inexpensive stamps. Microelectronic Engineering, 2010, 87, 1846-1851.	2.4	15
18	High yield fabrication of multilayer polydimethylsiloxane devices with freestanding micropillar arrays. Biomicrofluidics, 2013, 7, 056503.	2.4	10

#	Article	IF	Citations
19	Nanowire-based devices combining light guiding and photodetection. Applied Physics A: Materials Science and Processing, 2011, 105, 311-316.	2.3	6
20	Wavelength interrogation of optical waveguide biosensors in the input grating coupler configuration. , 2009, , .		2
21	In-situ chlorine passivation to suppress surface-dominant transport in silicon nanowire devices. Proceedings of SPIE, 2010, , .	0.8	2
22	Evaluating and improving mechanical performance of thin films for flexible displays. , 2005, 5801, 249.		1
23	Tunable wavelength interrogated sensor platform (TWIST) for point-of-care diagnostics of infectious diseases. Proceedings of SPIE, 2011, , .	0.8	1
24	A multiaxis stage configured for rapid observations of plane samples at multiple angles. Review of Scientific Instruments, 2005, 76, 123701.	1.3	0