

Maria Kitsara

List of Publications by Year in descending order

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35
papers

1,200
citations

489802

18
h-index

536525

29
g-index

36
all docs

36
docs citations

36
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	Polysaccharide-Protein Multilayers Based on Chitosan-Fibrinogen Assemblies for Cardiac Cell Engineering. <i>Macromolecular Bioscience</i> , 2022, 22, e2100346.	2.1	5
2	Design of Functional Electrospun Scaffolds Based on Poly(glycerol sebacate) Elastomer and Poly(lactic acid) for Cardiac Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2388-2400.	2.6	60
3	Permanently hydrophilic, piezoelectric PVDF nanofibrous scaffolds promoting unaided electromechanical stimulation on osteoblasts. <i>Nanoscale</i> , 2019, 11, 8906-8917.	2.8	109
4	Heart on a chip: Micro-nanofabrication and microfluidics steering the future of cardiac tissue engineering. <i>Microelectronic Engineering</i> , 2019, 203-204, 44-62.	1.1	59
5	Electrochemical Lateral Flow Devices: Towards Rapid Immunomagnetic Assays. <i>ChemElectroChem</i> , 2017, 4, 880-889.	1.7	46
6	Quantitative self-powered electrochromic biosensors. <i>Chemical Science</i> , 2017, 8, 1995-2002.	3.7	58
7	Electrochemical DC Techniques. Glucose Monitoring and Multi-parametric Detection. <i>Bioanalysis</i> , 2017, , 113-136.	0.1	0
8	Fibers for hearts: A critical review on electrospinning for cardiac tissue engineering. <i>Acta Biomaterialia</i> , 2017, 48, 20-40.	4.1	230
9	A low-power electronic instrumentation for multi-parametric diabetes mellitus analysis. , 2016, , .		1
10	Nanofibrous clinical-grade collagen scaffolds seeded with human cardiomyocytes induces cardiac remodeling in dilated cardiomyopathy. <i>Biomaterials</i> , 2016, 80, 157-168.	5.7	65
11	Rapid prototyping of electrochemical lateral flow devices: stencilled electrodes. <i>Analyst, The</i> , 2016, 141, 2515-2522.	1.7	20
12	A portable point-of-care device for multi-parametric diabetes mellitus analysis. , 2015, , .		3
13	Fabrication of cardiac patch by using electrospun collagen fibers. <i>Microelectronic Engineering</i> , 2015, 144, 46-50.	1.1	37
14	Small-volume multiparametric electrochemical detection at low cost polymeric devices featuring nanoelectrodes. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
15	Integrated micromixer for incubation and separation of cancer cells on a centrifugal platform using inertial and dean forces. <i>Microfluidics and Nanofluidics</i> , 2015, 18, 513-526.	1.0	27
16	Spin coating of hydrophilic polymeric films for enhanced centrifugal flow control by serial siphoning. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 691-699.	1.0	39
17	Integration of functional materials and surface modification for polymeric microfluidic systems. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 033001.	1.5	62
18	At-line bioprocess monitoring by immunoassay with rotationally controlled serial siphoning and integrated supercritical angle fluorescence optics. <i>Analytica Chimica Acta</i> , 2013, 781, 54-62.	2.6	43

#	ARTICLE	IF	CITATIONS
19	Lab-on-a disc platform for particle focusing induced by inertial forces. Proceedings of SPIE, 2013, , .	0.8	2
20	Entropic nanothermodynamic potential from molecular trapping within photon induced nano-voids in photon processed PDMS layers. Soft Matter, 2012, 8, 5561.	1.2	9
21	Spectroscopic and microscopic characterization of biosensor surfaces with protein/amino-organosilane/silicon structure. Colloids and Surfaces B: Biointerfaces, 2012, 90, 159-168.	2.5	40
22	Monolithically integrated Mach-Zehnder biosensors for real-time label-free monitoring of biomolecular reactions. , 2011, 2011, 7654-7.		2
23	A Chemocapacitive Sensor Array System for Gas Sensing Applications. Sensor Letters, 2011, 9, 577-583.	0.4	4
24	Biomolecular layer thickness evaluation using White Light Reflectance Spectroscopy. Microelectronic Engineering, 2010, 87, 802-805.	1.1	17
25	Protein coverage on silicon surfaces modified with amino-organic films: A study by AFM and angle-resolved XPS. Colloids and Surfaces B: Biointerfaces, 2010, 80, 63-71.	2.5	22
26	Integrated optical frequency-resolved Mach-Zehnder interferometers for label-free affinity sensing. Optics Express, 2010, 18, 8193.	1.7	63
27	Monolithically integrated biosensors based on Frequency-Resolved Mach-Zehnder Interferometers for multi-analyte determinations. , 2010, 2010, 298-301.		2
28	Ultra-miniaturized monolithically integrated polymer coated Si optoelectronic cantilevers for gas sensing applications. , 2009, , .		1
29	A monolithic photonic microcantilever device for in situ monitoring of volatile compounds. Lab on A Chip, 2009, 9, 1261.	3.1	18
30	Monolithic silicon optocoupler engineering based on tapered waveguides. Microelectronic Engineering, 2008, 85, 1074-1076.	1.1	1
31	Sequential polymer lithography for chemical sensor arrays. European Polymer Journal, 2007, 43, 4602-4612.	2.6	11
32	Single chip interdigitated electrode capacitive chemical sensor arrays. Sensors and Actuators B: Chemical, 2007, 127, 186-192.	4.0	89
33	Label-free kinetic study of biomolecular interactions by white light reflectance spectroscopy. Micro and Nano Letters, 2006, 1, 94.	0.6	23
34	Layer-by-layer UV micromachining methodology of epoxy resist embedded microchannels. Microelectronic Engineering, 2006, 83, 1298-1301.	1.1	14
35	A lithographic polymer process sequence for chemical sensing arrays. Microelectronic Engineering, 2006, 83, 1192-1196.	1.1	14