Katerina Tsougeni

List of Publications by Year
in descending order

19 papers	797 citations	687363 13 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	1147 citing authors

#	Article	IF	Citations
1	Fluorescence Enhancement on Silver-Plated Plasma Micro-Nanostructured 3D Polymeric Microarray Substrates for Multiplex Mycotoxin Detection. Processes, 2021, 9, 392.	2.8	7
2	Gradient-temperature hot-embossing for dense micropillar array fabrication on thick cyclo-olefin polymeric plates: An example of a microfluidic chromatography column fabrication. Micro and Nano Engineering, 2019, 5, 100042.	2.9	9
3	Three-dimensional (3D) plasma micro-nanotextured slides for high performance biomolecule microarrays: Comparison with epoxy-silane coated glass slides. Colloids and Surfaces B: Biointerfaces, 2018, 165, 270-277.	5.0	13
4	3D Plasma NanotexturedÂ® Polymeric Surfaces for Protein or Antibody Arrays, and Biomolecule and Cell Patterning. Methods in Molecular Biology, 2018, 1771, 27-40.	0.9	2
5	Binding kinetics of bacteria cells on immobilized antibodies in microfluidic channels: Modeling and experiments. Sensors and Actuators B: Chemical, 2017, 253, 247-257.	7.8	5
6	Plasma micro-nanotextured polymeric micromixer for DNA purification with high efficiency and dynamic range. Analytica Chimica Acta, 2016, 942, 58-67.	5.4	24
7	Three-dimensional plasma microâ€"nanotextured cyclo-olefin-polymer surfaces for biomolecule immobilization and environmentally stable superhydrophobic and superoleophobic behavior. Chemical Engineering Journal, 2016, 300, 394-403.	12.7	56
8	Superhydrophobic, hierarchical, plasma-nanotextured polymeric microchannels sustaining high-pressure flows. Microfluidics and Nanofluidics, 2013, 14, 247-255.	2.2	16
9	Flame aerosol deposition of TiO2 nanoparticle films on polymers and polymeric microfluidic devices for on-chip phosphopeptide enrichment. Microelectronic Engineering, 2012, 97, 341-344.	2.4	14
10	Controlled protein adsorption on microfluidic channels with engineered roughness and wettability. Sensors and Actuators B: Chemical, 2012, 161, 216-222.	7.8	58
11	TiO2â€"ZrO2 affinity chromatography polymeric microchip for phosphopeptide enrichment and separation. Lab on A Chip, 2011, 11, 3113.	6.0	29
12	Controlling roughness: from etching to nanotexturing and plasma-directed organization on organic and inorganic materials. Journal Physics D: Applied Physics, 2011, 44, 174021.	2.8	110
13	â€œSmartâ€•polymeric microfluidics fabricated by plasma processing: controlled wetting, capillary filling and hydrophobic valving. Lab on A Chip, 2010, 10, 462-469.	6.0	164
14	Nano-texturing of poly(methyl methacrylate) polymer using plasma processes and applications in wetting control and protein adsorption. Microelectronic Engineering, 2009, 86, 1424-1427.	2.4	48
15	Oriented spontaneously formed nano-structures on poly(dimethylsiloxane) films and stamps treated in O2 plasmas. Microelectronic Engineering, 2008, 85, 1233-1236.	2.4	12
16	Tunable Poly(dimethylsiloxane) Topography in O2or Ar Plasmas for Controlling Surface Wetting Properties and Their Ageing. Japanese Journal of Applied Physics, 2007, 46, 744-750.	1.5	39
17	Photosensitive poly(dimethylsiloxane) materials for microfluidic applications. Microelectronic Engineering, 2007, 84, 1104-1108.	2.4	44
18	Control of Nanotexture and Wetting Properties of Polydimethylsiloxane from Very Hydrophobic to Super-Hydrophobic by Plasma Processing. Plasma Processes and Polymers, 2007, 4, 398-405.	3.0	96

#	Article	IF	Citations
19	Tailoring the surface topography and wetting properties of oxygen-plasma treated polydimethylsiloxane. Journal of Applied Physics, 2005, 98, 113502.	2.5	51