Smerino

List of Publications by Year in descending order

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55 papers	1,105 citations	394421 19 h-index	434195 31 g-index
55 all docs	55 docs citations	55 times ranked	1443 citing authors

#	Article	IF	Citations
1	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. Analytica Chimica Acta, 2016, 905, 156-162.	5.4	73
2	Surface plasmon resonance immunoassay for the detection of the TNFÎ± biomarker in human serum. Talanta, 2014, 119, 492-497.	5.5	59
3	Broadband dielectric measurements on the (R)-1-methylheptyl-6-(4â€²-decyloxybenzoyloxy)-2-naphthalene carboxylate antiferroelectric liquid crystal. Physical Review E, 1996, 54, 5169-5177.	2.1	52
4	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. Biosensors and Bioelectronics, 2015, 70, 34-41.	10.1	52
5	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. Analytica Chimica Acta, 2014, 838, 37-44.	5.4	50
6	Efficient organic distributed feedback lasers with imprinted active films. Optics Express, 2011, 19, 22443.	3.4	47
7	Improved performance of perylenediimide-based lasers. Journal of Materials Chemistry C, 2013, 1, 1182-1191.	5.5	47
8	Measurement of demolding forces in full wafer thermal nanoimprint. Microelectronic Engineering, 2008, 85, 907-909.	2.4	44
9	Highly photostable organic distributed feedback laser emitting at 573 nm. Applied Physics Letters, 2010, 97, 171104.	3.3	43
10	Film thickness and grating depth variation in organic second-order distributed feedback lasers. Journal of Applied Physics, 2012, 112, .	2.5	43
11	Electrochemical tropomyosin allergen immunosensor for complex food matrix analysis. Analytica Chimica Acta, 2019, 1079, 94-102.	5.4	42
12	Disposable microfluidic immuno-biochip for rapid electrochemical detection of tumor necrosis factor alpha biomarker. Sensors and Actuators B: Chemical, 2015, 221, 1406-1411.	7.8	40
13	Distributed feedback lasers based on perylenediimide dyes for label-free refractive index sensing. Sensors and Actuators B: Chemical, 2015, 220, 1368-1375.	7.8	29
14	Organic distributed feedback laser for label-free biosensing of ErbB2 protein biomarker. Sensors and Actuators B: Chemical, 2016, 223, 261-265.	7.8	28
15	Real-Time Label-Free Surface Plasmon Resonance Biosensing with Gold Nanohole Arrays Fabricated by Nanoimprint Lithography. Sensors, 2013, 13, 13960-13968.	3.8	27
16	Antibacterial activity testing methods for hydrophobic patterned surfaces. Scientific Reports, 2021, 11, 6675.	3.3	26
17	Influence of the excitation area on the thresholds of organic second-order distributed feedback lasers. Applied Physics Letters, 2012, 101, 223303.	3.3	25
18	The use of automatic demolding in nanoimprint lithography processes. Microelectronic Engineering, 2007, 84, 958-962.	2.4	21

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19	Design and fabrication using nanoimprint lithography of a nanofluidic device for DNA stretching applications. Microelectronic Engineering, 2008, 85, 818-821.	2.4	20
20	Stamp deformation and its influence on residual layer homogeneity in thermal nanoimprint lithography. Microelectronic Engineering, 2008, 85, 877-880.	2.4	20
21	DNA analysis by single molecule stretching in nanofluidic biochips. Microelectronic Engineering, 2011, 88, 300-304.	2.4	19
22	Perylenediimide-based distributed feedback lasers with holographic relief gratings on dichromated gelatine. Journal of Applied Physics, 2013, 114, .	2.5	19
23	UV-Casting on Methacrylated PCL for the Production of a Peripheral Nerve Implant Containing an Array of Porous Aligned Microchannels. Polymers, 2020, 12, 971.	4.5	18
24	Impact of surface topography on the bacterial attachment to micro- and nano-patterned polymer films. Surfaces and Interfaces, 2021, 27, 101494.	3.0	18
25	Dielectric relaxation processes in an antiferroelectric liquid crystal. Advanced Materials, 1995, 7, 564-568.	21.0	17
26	The influence of stamp deformation on residual layer homogeneity in thermal nanoimprint lithography. Microelectronic Engineering, 2008, 85, 1892-1896.	2.4	16
27	Fabrication of complementary metal-oxide-semiconductor integrated nanomechanical devices by ion beam patterning. Journal of Vacuum Science & Technology B, 2009, 27, 2691-2697.	1.3	16
28	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breastâ€cancer Related Receptors in Raw Cell Lysates.. Electroanalysis, 2016, 28, 1787-1794.	2.9	15
29	Thermal roll to roll nanoimprint lithography for micropillars fabrication on thermoplastics. Microelectronic Engineering, 2018, 193, 54-61.	2.4	15
30	Highly sensitive and fast Legionella spp. in situ detection based on a loop mediated isothermal amplification technique combined to an electrochemical transduction system. Talanta, 2020, 217, 121061.	5.5	14
31	A new way of manufacturing high resolution optical encoders by nanoimprint lithography. Microelectronic Engineering, 2007, 84, 848-852.	2.4	13
32	Adhesion of Adipose-Derived Mesenchymal Stem Cells to Glycosaminoglycan Surfaces with Different Protein Patterns. ACS Applied Materials & Interfaces, 2015, 7, 10034-10043.	8.0	13
33	Linear optical encoders manufactured by imprint lithography. Microelectronic Engineering, 2006, 83, 897-901.	2.4	12
34	Low and High Frequency Relaxations of a Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 1995, 259, 1-12.	0.3	11
35	Bioresorbable and Mechanically Optimized Nerve Guidance Conduit Based on a Naturally Derived Medium Chain Length Polyhydroxyalkanoate and Poly(Îµ-Caprolactone) Blend. ACS Biomaterials Science and Engineering, 2021, 7, 672-689.	5.2	11
36	Dielectric relaxation processes in a brick-like metallomesogen ferroelectric liquid crystal. Advanced Materials, 1996, 8, 644-647.	21.0	10

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37	Nanoimprinting lithography on 200mm wafers for optical applications. Microelectronic Engineering, 2007, 84, 880-884.	2.4	9
38	Electromagnetic behavior of dielectric objects on metallic periodically nanostructured substrates. Optics Express, 2018, 26, 11222.	3.4	9
39	Protein patterning on the micro- and nanoscale by thermal nanoimprint lithography on a new functionalized copolymer. Journal of Vacuum Science & Technology B, 2009, 27, 2439-2443.	1.3	8
40	Enhanced Transmission through Gold Nanohole Arrays Fabricated by Thermal Nanoimprint Lithography for Surface Plasmon Based Biosensors. Procedia Engineering, 2012, 47, 805-808.	1.2	8
41	Optical inspection of manufactured nanohole arrays to bridge the lab-industry gap. Optics and Laser Technology, 2019, 116, 48-57.	4.6	7
42	Highly photostable solid-state organic distributed feedback laser fabricated via thermal nanoimprint lithography. Microelectronic Engineering, 2010, 87, 1428-1430.	2.4	6
43	Two-dimensional distributed feedback lasers with thermally-nanoimprinted perylenediimide-containing films. Optical Materials Express, 2017, 7, 1295.	3.0	6
44	Optofluidic chips with nanochannels for dynamic molecular detection using enhanced fluorescence. Biomedical Optics Express, 2016, 7, 3289.	2.9	5
45	Determination of stress build-up during nanoimprint process in triangular polymer structures. Microelectronic Engineering, 2008, 85, 838-841.	2.4	4
46	Thermal-nanoimprint lithography for perylenediimide-based distributed feedback laser fabrication. Microelectronic Engineering, 2014, 114, 52-56.	2.4	4
47	Protein patterning by thermal nanoimprint lithography and NH[sub 3]-plasma functionalization of polystyrene. Journal of Vacuum Science & Technology B, 2009, 27, 1060.	1.3	3
48	Surface microstructuring and protein patterning using hyaluronan derivatives. Microelectronic Engineering, 2013, 106, 21-26.	2.4	3
49	Solution-processable, photo-stable, low-threshold, and broadly tunable thin film organic lasers based on novel high-performing laser dyes. Proceedings of SPIE, 2015, , .	0.8	3
50	Real-Time Label-Free Impedimetric Protein Detection Using Interdigitated Gold Microelectrodes and Flow Injection Analysis. Procedia Engineering, 2012, 47, 1390-1393.	1.2	2
51	Depth (Z-axis) control of cell morphologies on micropatterned surfaces. Journal of Bioactive and Compatible Polymers, 2015, 30, 555-567.	2.1	2
52	Second-order distributed feedback lasers based on films containing perylenediimide derivatives. Proceedings of SPIE, 2010, , .	0.8	1
53	A finite element mesh tailored to full NIL process modelling: hot embossing, cool-down and stamp release. , 2007, , .		0
54	Label-free sensors based on perylenediimide-doped polystyrene distributed feedback lasers. Proceedings of SPIE, 2015, , .	0.8	0

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55	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. Procedia Technology, 2017, 27, 17-20.	1.1	0