

Smerino

List of Publications by Year in descending order

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55
papers

1,105
citations

448610

19
h-index

488211

31
g-index

55
all docs

55
docs citations

55
times ranked

1626
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial activity testing methods for hydrophobic patterned surfaces. <i>Scientific Reports</i> , 2021, 11, 6675.	1.6	26
2	Bioresorbable and Mechanically Optimized Nerve Guidance Conduit Based on a Naturally Derived Medium Chain Length Polyhydroxyalkanoate and Poly(μ -Caprolactone) Blend. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 672-689.	2.6	11
3	Impact of surface topography on the bacterial attachment to micro- and nano-patterned polymer films. <i>Surfaces and Interfaces</i> , 2021, 27, 101494.	1.5	18
4	Highly sensitive and fast <i>Legionella</i> spp. in situ detection based on a loop mediated isothermal amplification technique combined to an electrochemical transduction system. <i>Talanta</i> , 2020, 217, 121061.	2.9	14
5	UV-Casting on Methacrylated PCL for the Production of a Peripheral Nerve Implant Containing an Array of Porous Aligned Microchannels. <i>Polymers</i> , 2020, 12, 971.	2.0	18
6	Electrochemical tropomyosin allergen immunosensor for complex food matrix analysis. <i>Analytica Chimica Acta</i> , 2019, 1079, 94-102.	2.6	42
7	Optical inspection of manufactured nanohole arrays to bridge the lab-industry gap. <i>Optics and Laser Technology</i> , 2019, 116, 48-57.	2.2	7
8	Thermal roll to roll nanoimprint lithography for micropillars fabrication on thermoplastics. <i>Microelectronic Engineering</i> , 2018, 193, 54-61.	1.1	15
9	Electromagnetic behavior of dielectric objects on metallic periodically nanostructured substrates. <i>Optics Express</i> , 2018, 26, 11222.	1.7	9
10	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. <i>Procedia Technology</i> , 2017, 27, 17-20.	1.1	0
11	Two-dimensional distributed feedback lasers with thermally-nanoimprinted perylenediimide-containing films. <i>Optical Materials Express</i> , 2017, 7, 1295.	1.6	6
12	Optofluidic chips with nanochannels for dynamic molecular detection using enhanced fluorescence. <i>Biomedical Optics Express</i> , 2016, 7, 3289.	1.5	5
13	Electrochemical Magnetoimmunosensor for Progesterone Receptor Determination. Application to the Simultaneous Detection of Estrogen and Progesterone Breast-Related Receptors in Raw Cell Lysates. <i>Electroanalysis</i> , 2016, 28, 1787-1794.	1.5	15
14	Surface plasmon resonance immunosensor for ErbB2 breast cancer biomarker determination in human serum and raw cancer cell lysates. <i>Analytica Chimica Acta</i> , 2016, 905, 156-162.	2.6	73
15	Organic distributed feedback laser for label-free biosensing of ErbB2 protein biomarker. <i>Sensors and Actuators B: Chemical</i> , 2016, 223, 261-265.	4.0	28
16	Solution-processable, photo-stable, low-threshold, and broadly tunable thin film organic lasers based on novel high-performing laser dyes. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3
17	Label-free sensors based on perylenediimide-doped polystyrene distributed feedback lasers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
18	Distributed feedback lasers based on perylenediimide dyes for label-free refractive index sensing. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1368-1375.	4.0	29

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19	Depth (Z-axis) control of cell morphologies on micropatterned surfaces. <i>Journal of Bioactive and Compatible Polymers</i> , 2015, 30, 555-567.	0.8	2
20	Adhesion of Adipose-Derived Mesenchymal Stem Cells to Glycosaminoglycan Surfaces with Different Protein Patterns. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10034-10043.	4.0	13
21	Amperometric magnetoimmunosensor for ErbB2 breast cancer biomarker determination in human serum, cell lysates and intact breast cancer cells. <i>Biosensors and Bioelectronics</i> , 2015, 70, 34-41.	5.3	52
22	Disposable microfluidic immuno-biochip for rapid electrochemical detection of tumor necrosis factor alpha biomarker. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 1406-1411.	4.0	40
23	Thermal-nanoimprint lithography for perylenediimide-based distributed feedback laser fabrication. <i>Microelectronic Engineering</i> , 2014, 114, 52-56.	1.1	4
24	Surface plasmon resonance immunoassay for the detection of the TNF α biomarker in human serum. <i>Talanta</i> , 2014, 119, 492-497.	2.9	59
25	Amperometric magnetoimmunoassay for the direct detection of tumor necrosis factor alpha biomarker in human serum. <i>Analytica Chimica Acta</i> , 2014, 838, 37-44.	2.6	50
26	Surface microstructuring and protein patterning using hyaluronan derivatives. <i>Microelectronic Engineering</i> , 2013, 106, 21-26.	1.1	3
27	Perylenediimide-based distributed feedback lasers with holographic relief gratings on dichromated gelatine. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	19
28	Improved performance of perylenediimide-based lasers. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1182-1191.	2.7	47
29	Real-Time Label-Free Surface Plasmon Resonance Biosensing with Gold Nanohole Arrays Fabricated by Nanoimprint Lithography. <i>Sensors</i> , 2013, 13, 13960-13968.	2.1	27
30	Influence of the excitation area on the thresholds of organic second-order distributed feedback lasers. <i>Applied Physics Letters</i> , 2012, 101, 223303.	1.5	25
31	Film thickness and grating depth variation in organic second-order distributed feedback lasers. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	43
32	Real-Time Label-Free Impedimetric Protein Detection Using Interdigitated Gold Microelectrodes and Flow Injection Analysis. <i>Procedia Engineering</i> , 2012, 47, 1390-1393.	1.2	2
33	Enhanced Transmission through Gold Nanohole Arrays Fabricated by Thermal Nanoimprint Lithography for Surface Plasmon Based Biosensors. <i>Procedia Engineering</i> , 2012, 47, 805-808.	1.2	8
34	Efficient organic distributed feedback lasers with imprinted active films. <i>Optics Express</i> , 2011, 19, 22443.	1.7	47
35	DNA analysis by single molecule stretching in nanofluidic biochips. <i>Microelectronic Engineering</i> , 2011, 88, 300-304.	1.1	19
36	Highly photostable solid-state organic distributed feedback laser fabricated via thermal nanoimprint lithography. <i>Microelectronic Engineering</i> , 2010, 87, 1428-1430.	1.1	6

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37	Second-order distributed feedback lasers based on films containing perylene-3,4,9,10-tetracarboxylic diimide derivatives. Proceedings of SPIE, 2010, , .	0.8	1
38	Highly photostable organic distributed feedback laser emitting at 573 nm. Applied Physics Letters, 2010, 97, 171104.	1.5	43
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	Protein patterning by thermal nanoimprint lithography and NH ₃ -plasma functionalization of polystyrene. Journal of Vacuum Science & Technology B, 2009, 27, 1060.	1.3	3
41	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
42	Design and fabrication using nanoimprint lithography of a nanofluidic device for DNA stretching applications. Microelectronic Engineering, 2008, 85, 818-821.	1.1	20
43	Stamp deformation and its influence on residual layer homogeneity in thermal nanoimprint lithography. Microelectronic Engineering, 2008, 85, 877-880.	1.1	20
44	Measurement of demolding forces in full wafer thermal nanoimprint. Microelectronic Engineering, 2008, 85, 907-909.	1.1	44
45	The influence of stamp deformation on residual layer homogeneity in thermal nanoimprint lithography. Microelectronic Engineering, 2008, 85, 1892-1896.	1.1	16
46	Determination of stress build-up during nanoimprint process in triangular polymer structures. Microelectronic Engineering, 2008, 85, 838-841.	1.1	4
47	A finite element mesh tailored to full NIL process modelling: hot embossing, cool-down and stamp release. , 2007, , .		0
48	The use of automatic demolding in nanoimprint lithography processes. Microelectronic Engineering, 2007, 84, 958-962.	1.1	21
49	A new way of manufacturing high resolution optical encoders by nanoimprint lithography. Microelectronic Engineering, 2007, 84, 848-852.	1.1	13
50	Nanoimprinting lithography on 200mm wafers for optical applications. Microelectronic Engineering, 2007, 84, 880-884.	1.1	9
51	Linear optical encoders manufactured by imprint lithography. Microelectronic Engineering, 2006, 83, 897-901.	1.1	12
52	Dielectric relaxation processes in a brick-like metallomesogen ferroelectric liquid crystal. Advanced Materials, 1996, 8, 644-647.	11.1	10
53	Broadband dielectric measurements on the (R)-1-methylheptyl-6-(4- α -decyloxybenzoyloxy)-2-naphthalene carboxylate antiferroelectric liquid crystal. Physical Review E, 1996, 54, 5169-5177.	0.8	52
54	Dielectric relaxation processes in an antiferroelectric liquid crystal. Advanced Materials, 1995, 7, 564-568.	11.1	17

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55	Low and High Frequency Relaxations of a Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 1995, 259, 1-12.	0.3	11