

Francesco Bloisi

List of Publications by Year in descending order

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84
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84
docs citations

84
times ranked

672
citing authors

#	ARTICLE	IF	CITATIONS
1	Frozen Microemulsions for MAPLE Immobilization of Lipase. <i>Molecules</i> , 2017, 22, 2153.	3.8	14
2	Functionalization of Carbon Nanomaterial Surface by Doxorubicin and Antibodies to Tumor Markers. <i>Nanoscale Research Letters</i> , 2016, 11, 314.	5.7	8
3	Lipase immobilization for catalytic applications obtained using fumed silica deposited with MAPLE technique. <i>Applied Surface Science</i> , 2016, 374, 346-352.	6.1	11
4	m-DOPA addition in MAPLE immobilization of lipase for biosensor applications. <i>Sensing and Bio-Sensing Research</i> , 2015, 6, 103-108.	4.2	8
5	Lipase biofilm deposited by Matrix Assisted Pulsed Laser Evaporation technique. <i>Applied Surface Science</i> , 2015, 336, 196-199.	6.1	12
6	Biosensor Applications of MAPLE Deposited Lipase. <i>Biosensors</i> , 2014, 4, 329-339.	4.7	14
7	Structural characterization of MAPLE deposited lipase biofilm. <i>Applied Surface Science</i> , 2014, 320, 524-530.	6.1	10
8	Addressing the use of PDIF-CN2 molecules in the development of n-type organic field-effect transistors for biosensing applications. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4365-4373.	2.4	22
9	Matrix-Assisted Pulsed Laser Thin Film Deposition by Using Nd:YAG Laser. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	2.7	13
10	Polymer Dispersed LCDs. , 2012, , 1565-1585.		2
11	Matrix assisted pulsed laser deposition of melanin thin films. <i>Journal of Applied Physics</i> , 2011, 110, 026105.	2.5	22
12	Effect of substrate temperature on MAPLE deposition of synthetic eumelanin films. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 619-627.	2.3	25
13	Infrared image analysis and elaboration for archaeology: The case study of a medieval "capsella" from Cimitile, Italy. <i>Applied Physics B: Lasers and Optics</i> , 2010, 101, 471-479.	2.2	4
14	Matrix Assisted Pulsed Laser Evaporation (MAPLE) of Poly(D,L lactide) (PDLLA) on Three Dimensional Bioglass® Structures. <i>Advanced Engineering Materials</i> , 2009, 11, 685-689.	3.5	12
15	Dependence on substrate temperature of the conformation and structure of a poly[3-(4-octyloxyphenyl)thiophene] (POOPT) thin film obtained by matrix assisted pulsed laser evaporation (MAPLE). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2166-2170.	1.8	3
16	Photoinduced long-term memory effects in n-type organic perylene transistors. <i>Journal of Applied Physics</i> , 2009, 106, 126105.	2.5	23
17	Substrate temperature dependence of the structure of polythiophene thin films obtained by Matrix Assisted Pulsed Laser Evaporation (MAPLE). <i>EPJ Applied Physics</i> , 2009, 48, 10505.	0.7	9
18	Matrix-Assisted Pulsed Laser Evaporation of polythiophene films. <i>Thin Solid Films</i> , 2008, 516, 1594-1598.	1.8	42

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19	MAPLE deposition of biomaterial multilayers. Applied Surface Science, 2008, 254, 7143-7148.	6.1	32
20	An old notice board at ancient Herculaneum studied using Near Infrared Reflectography. Journal of Archaeological Science, 2008, 35, 1708-1716.	2.4	6
21	Matrix-assisted pulsed laser evaporation of poly(D,L-lactide) for biomedical applications: effect of near infrared radiation. Journal of Biomedical Optics, 2008, 13, 014028.	2.6	13
22	Near infrared reflectography for deciphering obscured (whitewashed or ablated) epigraphs. Journal Physics D: Applied Physics, 2007, 40, 5547-5552.	2.8	10
23	Laser cleaning of gilded wood: A comparative study of colour variations induced by irradiation at different wavelengths. Applied Surface Science, 2007, 253, 7715-7718.	6.1	8
24	Biomaterial thin film deposition and characterization by means of MAPLE technique. Materials Science and Engineering C, 2007, 27, 1185-1190.	7.3	30
25	Investigation of surface laser treatment of ancient calcite: the case of the grave in Torricelle (Naples, Italy). Optics and Lasers in Engineering, 2007, 45, 1078-1084.	2.3	1
26	One-dimensional modelling of Verso™ laser cleaning. Journal of Modern Optics, 2006, 53, 1121-1129.	1.3	6
27	Effects of Nd:YAG (532nm) laser radiation on clean™ cotton. Applied Physics A: Materials Science and Processing, 2004, 79, 331-333.	2.3	12
28	Dry laser cleaning of mechanically thin films. Applied Surface Science, 2004, 238, 121-124.	6.1	10
29	Laser beam manipulation by composite material electro-optic devices. Optics and Lasers in Engineering, 2003, 39, 389-408.	3.8	12
30	Verso™ laser cleaning of mechanically thin films. Applied Surface Science, 2003, 208-209, 468-473.	6.1	7
31	Optically induced variations of the electrical conductivity of a water in oil microemulsion near the percolation threshold. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 2005-2011.	0.6	0
32	Optically Induced Reorientation in a Hybrid Aligned Nematic Liquid Crystal Cell. Molecular Crystals and Liquid Crystals, 1998, 320, 365-377.	0.3	0
33	Polarized light scattering in a novel polymer dispersed liquid-crystal geometry. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1997, 14, 662.	1.5	14
34	Angular dependence of light transmittance through a polymer-dispersed liquid crystal above threshold. Optics Letters, 1996, 21, 95.	3.3	13
35	PDLC: influence of droplet order parameter in light transmittance. Optics Communications, 1996, 123, 449-452.	2.1	20
36	Angular dependence of light transmittance in polymer dispersed liquid crystals. Physical Review E, 1996, 54, 5242-5248.	2.1	10

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37	Voltage Controlled Optical Bistability in a Twisted Nematic Liquid Crystal Cell Between Crossed Polarizers. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 290, 11-19.	0.3	1
38	Optoelectronic polarizer by PDLC. <i>Liquid Crystals</i> , 1996, 20, 377-379.	2.2	24
39	Voltage Controlled Self-Transparency in a Twisted Nematic Liquid Crystal Cell Bounded by Parallel Polarizers. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 282, 43-51.	0.3	2
40	Frequency Dependence of Light Transmittance in a PDLC. <i>Molecular Crystals and Liquid Crystals</i> , 1996, 290, 21-29.	0.3	1
41	Voltage Controlled Light Transmittance in Polymer Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 266, 229-239.	0.3	16
42	Anchoring Induced by Porous Substrate on a Liquid Crystal Layer. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 239, 257-261.	0.3	2
43	Optical phase shift of polymer-dispersed liquid crystals. <i>Physical Review E</i> , 1993, 48, 432-438.	2.1	65
44	Transient Amplitude Grating in Polymer Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 223, 169-179.	0.3	7
45	Nonlinear Diffraction Driven by Low Frequency Electric Field in Polymer Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 212, 279-287.	0.3	3
46	Vector formalism for circularly symmetric laser beams. <i>Applied Optics</i> , 1992, 31, 2714.	2.1	4
47	Nonlinear total internal reflection through the thermoplastic effect. <i>Applied Optics</i> , 1992, 31, 2752.	2.1	0
48	Beam propagation through optical systems. <i>Optics Communications</i> , 1992, 92, 183-186.	2.1	0
49	Diffraction field of a circularly symmetric beam through a sequence of apertures. <i>Applied Optics</i> , 1991, 30, 1595.	2.1	10
50	Nonlinear Thermo-optical Effects Induced by Light Modulation of an Isotropic Hole in a Twisted Nematic Liquid Crystal Cell. <i>Molecular Crystals and Liquid Crystals</i> , 1991, 207, 251-263.	0.7	4
51	Self-transparency effect in a twisted nematic liquid crystal cell. <i>Optics Communications</i> , 1991, 80, 388-392.	2.1	6
52	Study of thermally induced optical bistability in a twisted nematic liquid crystal. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1991, 53, 314-318.	1.5	13
53	Bessel beams propagation through axisymmetric optical systems. <i>Journal of Optics</i> , 1991, 22, 3-5.	0.3	10
54	Determination of the Director Orientation Inside a Hybrid Nematic Cell by Total Internal Reflection. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1990, 179, 45-55.	0.3	7

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55	Nonlinear liquid-crystal interfaces: Determination of the local director orientation. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1990, 12, 1273-1280.	0.4	5
56	Free-space laser beams with pulsing on-axis intensities. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1990, 12, 757-763.	0.4	2
57	Spatial filtering in the detection of thermal transverse phase modulation of laser beams. Applied Physics B, Photophysics and Laser Chemistry, 1990, 50, 61-65.	1.5	1
58	Comparison of nondiffracting laser beams. Optics Communications, 1990, 75, 353-357.	2.1	17
59	Remarks on the temperature dependence of the optical Fredericksz transition. Optics Communications, 1990, 76, 261-264.	2.1	11
60	Title is missing!. Journal of Optics, 1990, 21, 63-66.	0.3	1
61	Diffraction patterns of laser beams with thermal self-phase modulation by optically thin films. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1989, 11, 1577-1586.	0.4	0
62	Matrix representation of axisymmetric optical systems including spatial filters. Applied Optics, 1989, 28, 4682.	2.1	19
63	Laser induced thermal profiles in thermally and optically thin films. Applied Physics B, Photophysics and Laser Chemistry, 1988, 47, 67-69.	1.5	7
64	Experimental results on the photophoretic motion and radiometric trapping of particles by irradiation with laser light. Applied Physics B: Lasers and Optics, 1988, 47, 247-250.	2.2	14
65	Soret effect in periodic forced rayleigh scattering. Optics Communications, 1988, 68, 87-90.	2.1	7
66	Spatial filtering in the detection of transverse phase modulation through a nonlinear thin film. Optics Communications, 1988, 68, 391-395.	2.1	8
67	Multiple beam scattering effects in biological tissues exposed to laser radiation. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 173-182.	0.4	0
68	New optical methods to study director orientation in liquid crystals. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 1325-1333.	0.4	2
69	Laser heating of optically thin samples. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1988, 10, 1199-1208.	0.4	3
70	Dielectric receivers for asymmetrical ideal concentrators. Applied Optics, 1988, 27, 2038.	2.1	1
71	Ideal nonfocusing concentrator with fin absorbers in dielectric rhombuses. Optics Letters, 1987, 12, 453.	3.3	4
72	Soret effect in forced Rayleigh scattering. Applied Physics B, Photophysics and Laser Chemistry, 1987, 44, 103-106.	1.5	21

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73	Photoacoustic analysis of liquid crystals' thermal parameters. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1987, 9, 557-568.	0.4	18
74	Experimental confirmation of a laser-induced temperature field model by means of microholographic interferometry. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1987, 9, 185-194.	0.4	0
75	Simultaneous heat capacity and thermal-diffusivity photoacoustic measurement at liquid-crystal phase transitions. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1987, 9, 855-862.	0.4	8
76	Monitoring the effects of draught elimination. Applied Energy, 1985, 20, 69-83.	10.1	2
77	Field validation of the AMBRA program simulation. Applied Energy, 1984, 16, 27-39.	10.1	1
78	Solar system optimisation. Applied Energy, 1980, 7, 5-17.	10.1	1
79	Heat storage and solar system performance. Applied Energy, 1980, 7, 19-29.	10.1	4
80	Energy saving in building design. Applied Energy, 1980, 6, 429-446.	10.1	5
81	Long-term performance of flat-plate solar collectors. Applied Energy, 1980, 7, 119-128.	10.1	10