

Luciano Rosario Maria Vicari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8060003/publications.pdf>

Version: 2024-02-01

118
papers

1,079
citations

516710

16
h-index

552781

26
g-index

119
all docs

119
docs citations

119
times ranked

765
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Coatings Prepared via MAPLE Deposition of Polymer Nanocapsules for Light-Induced Release. <i>Molecules</i> , 2021, 26, 2736.	3.8	12
2	Matrix-assisted pulsed laser evaporation of β -glucosidase from a dopa/quinone target. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109414.	3.2	13
3	Frozen Microemulsions for MAPLE Immobilization of Lipase. <i>Molecules</i> , 2017, 22, 2153.	3.8	14
4	Functionalization of Carbon Nanomaterial Surface by Doxorubicin and Antibodies to Tumor Markers. <i>Nanoscale Research Letters</i> , 2016, 11, 314.	5.7	8
5	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
6	Liquid Crystal Polymer Composite Materials for LCDs. , 2016, , 2223-2250.		1
7	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
8	Lipase biofilm deposited by Matrix Assisted Pulsed Laser Evaporation technique. <i>Applied Surface Science</i> , 2015, 336, 196-199.	6.1	12
9	Biosensor Applications of MAPLE Deposited Lipase. <i>Biosensors</i> , 2014, 4, 329-339.	4.7	14
10	Structural characterization of MAPLE deposited lipase biofilm. <i>Applied Surface Science</i> , 2014, 320, 524-530.	6.1	10
11	Matrix-Assisted Pulsed Laser Thin Film Deposition by Using Nd:YAG Laser. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-9.	2.7	13
12	Polymer Dispersed LCDs. , 2012, , 1565-1585.		2
13	Matrix assisted pulsed laser deposition of melanin thin films. <i>Journal of Applied Physics</i> , 2011, 110, 026105.	2.5	22
14	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
15	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
16	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
17	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
18	Photoinduced long-term memory effects in n-type organic perylene transistors. <i>Journal of Applied Physics</i> , 2009, 106, 126105.	2.5	23

#	ARTICLE	IF	CITATIONS
19	Substrate temperature dependence of the structure of polythiophene thin films obtained by Matrix Assisted Pulsed Laser Evaporation (MAPLE). EPJ Applied Physics, 2009, 48, 10505.	0.7	9
20	Matrix-Assisted Pulsed Laser Evaporation of polythiophene films. Thin Solid Films, 2008, 516, 1594-1598.	1.8	42
21	MAPLE deposition of biomaterial multilayers. Applied Surface Science, 2008, 254, 7143-7148.	6.1	32
22	An old notice board at ancient Herculaneum studied using Near Infrared Reflectography. Journal of Archaeological Science, 2008, 35, 1708-1716.	2.4	6
23	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
24	Near infrared reflectography for deciphering obscured (whitewashed or ablated) epigraphs. Journal Physics D: Applied Physics, 2007, 40, 5547-5552.	2.8	10
25	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
26	Biomaterial thin film deposition and characterization by means of MAPLE technique. Materials Science and Engineering C, 2007, 27, 1185-1190.	7.3	30
27	Investigation of surface laser treatment of ancient calcite: the case of the grave in Torricelle (Naples). Tj ETQq1 1 0.784314 rgBT /Ove 2.3	2.3	1
28	One-dimensional modelling of â€˜versoâ€™ laser cleaning. Journal of Modern Optics, 2006, 53, 1121-1129.	1.3	6
29	Effects of Nd:YAG (532Ånm) laser radiation on â€˜cleanâ€™ cotton. Applied Physics A: Materials Science and Processing, 2004, 79, 331-333.	2.3	12
30	Dry laser cleaning of mechanically thin films. Applied Surface Science, 2004, 238, 121-124.	6.1	10
31	Laser beam manipulation by composite material electro-optic devices. Optics and Lasers in Engineering, 2003, 39, 389-408.	3.8	12
32	â€˜Versoâ€™ laser cleaning of mechanically thin films. Applied Surface Science, 2003, 208-209, 468-473.	6.1	7
33	WAD inverse microemulsion as optical nonlinear material.. , 2003, , .		0
34	Noncritical microemulsion as nonlinear optical material. , 2002, , .		0
35	Pump-probe detection of optical nonlinearity in water-in-oil microemulsion. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 447-452.	0.6	4
36	Pump-probe detection of optical nonlinearity in water-in-oil microemulsion. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 447-452.	0.6	13

#	ARTICLE	IF	CITATIONS
37	Nonlinear optical characterization of cluster dynamic in water in oil microemulsion by a pump probe laser beam technique. <i>European Physical Journal E</i> , 2002, 9, 335-340.	1.6	4
38	Optical nonlinearity in a film of water in oil microemulsion. <i>Optical Materials</i> , 2001, 18, 155-157.	3.6	2
39	Dynamics of Optical Nonlinearity in Water-in-Oil Microemulsion. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 662-665.	1.5	2
40	Laser beam self-phase modulation by a film of water-in-oil microemulsion. <i>Europhysics Letters</i> , 2000, 49, 564-568.	2.0	6
41	Optical nonlinearity of water in oil microemulsion near percolation. <i>Journal of Applied Physics</i> , 2000, 88, 7-10.	2.5	2
42	Twist molecular orientation transition in a nematic liquid crystal cell. <i>Liquid Crystals</i> , 1999, 26, 1837-1840.	2.2	1
43	Liquid-crystal layer between rough polymeric surfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1135.	2.1	5
44	<title>Self-focusing in microemulsions</title>. , 1999, , .		1
45	Optically induced variations of the electrical conductivity of a water in oil microemulsion near the percolation threshold. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999, 79, 2005-2011.	0.6	0
46	Electro-optic control of non-linear optical effects in twisted nematic liquid crystal cells. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1998, 20, 1411-1420.	0.4	1
47	Optically Induced Reorientation in a Hybrid Aligned Nematic Liquid Crystal Cell. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 320, 365-377.	0.3	0
48	Voltage Controlled Thermo-Optical Effect in Polymer Dispersed Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 320, 379-388.	0.3	6
49	Reorientation gratings in polymer dispersed liquid crystals. <i>Physical Review E</i> , 1998, 58, 3280-3283.	2.1	3
50	Electro-optic phase modulation by polymer dispersed liquid crystals. <i>Journal of Applied Physics</i> , 1997, 81, 6612-6615.	2.5	46
51	Optics of Polymer Dispersed Liquid Crystals. <i>Optics and Photonics News</i> , 1997, 8, 29.	0.5	0
52	Polarized light scattering in a novel polymer dispersed liquid-crystal geometry. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997, 14, 662.	1.5	14
53	Angular dependence of light transmittance through a polymer-dispersed liquid crystal above threshold. <i>Optics Letters</i> , 1996, 21, 95.	3.3	13
54	PDLC: influence of droplet order parameter in light transmittance. <i>Optics Communications</i> , 1996, 123, 449-452.	2.1	20

#	ARTICLE	IF	CITATIONS
55	Angular dependence of light transmittance in polymer dispersed liquid crystals. Physical Review E, 1996, 54, 5242-5248.	2.1	10
56	Voltage Controlled Optical Bistability in a Twisted Nematic Liquid Crystal Cell Between Crossed Polarizers. Molecular Crystals and Liquid Crystals, 1996, 290, 11-19.	0.3	1
57	Optoelectronic polarizer by PDLC. Liquid Crystals, 1996, 20, 377-379.	2.2	24
58	Voltage Controlled Self-Transparency in a Twisted Nematic Liquid Crystal Cell Bounded by Parallel Polarizers. Molecular Crystals and Liquid Crystals, 1996, 282, 43-51.	0.3	2
59	Frequency Dependence of Light Transmittance in a PDLC. Molecular Crystals and Liquid Crystals, 1996, 290, 21-29.	0.3	1
60	Voltage Controlled Light Transmittance in Polymer Dispersed Liquid Crystals. Molecular Crystals and Liquid Crystals, 1995, 266, 229-239.	0.3	16
61	Anchoring Induced by Porous Substrate on a Liquid Crystal Layer. Molecular Crystals and Liquid Crystals, 1994, 239, 257-261.	0.3	2
62	Temperature dependence of the optical phase shift in a polymer dispersed liquid crystal. Molecular Crystals and Liquid Crystals, 1994, 251, 271-281.	0.3	14
63	C.W. Optical Frederiks Transition: Thermal Effect and Surface Director Reorientation; T.I.R. Investigations. Molecular Crystals and Liquid Crystals, 1994, 251, 43-59.	0.3	4
64	OPTICAL SWITCHING AND CONTROLLED SELF DIFFRACTION WITH POLYMER DISPERSED LIQUID CRYSTALS. Journal of Nonlinear Optical Physics and Materials, 1993, 02, 353-365.	1.8	8
65	Optical Measurement of Local Director Distribution in a Distorted Nematic Liquid Crystal. Europhysics Letters, 1993, 21, 189-194.	2.0	14
66	Optical phase shift of polymer-dispersed liquid crystals. Physical Review E, 1993, 48, 432-438.	2.1	65
67	Transient Amplitude Grating in Polymer Dispersed Liquid Crystals. Molecular Crystals and Liquid Crystals, 1992, 223, 169-179.	0.3	7
68	Nonlinear Diffraction Driven by Low Frequency Electric Field in Polymer Dispersed Liquid Crystals. Molecular Crystals and Liquid Crystals, 1992, 212, 279-287.	0.3	3
69	Effect of Temperature on the Nonlinear Optical Behavior of a Homeotropic Nematic Liquid Crystal. Molecular Crystals and Liquid Crystals, 1992, 221, 49-56.	0.3	0
70	Vector formalism for circularly symmetric laser beams. Applied Optics, 1992, 31, 2714.	2.1	4
71	Nonlinear total internal reflection through the thermoplastic effect. Applied Optics, 1992, 31, 2752.	2.1	0
72	Beam propagation through optical systems. Optics Communications, 1992, 92, 183-186.	2.1	0

#	ARTICLE	IF	CITATIONS
73	Diffraction field of a circularly symmetric beam through a sequence of apertures. Applied Optics, 1991, 30, 1595.	2.1	10
74	Propagation of fields with axially symmetric cross-spectral densities. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1106.	1.5	3
75	Nonlinear Thermo-optical Effects Induced by Light Modulation of an Isotropic Hole in a Twisted Nematic Liquid Crystal Cell. Molecular Crystals and Liquid Crystals, 1991, 207, 251-263.	0.7	4
76	Self-transparency effect in a twisted nematic liquid crystal cell. Optics Communications, 1991, 80, 388-392.	2.1	6
77	Study of thermally induced optical bistability in a twisted nematic liquid crystal. Applied Physics B, Photophysics and Laser Chemistry, 1991, 53, 314-318.	1.5	13
78	Bessel beams propagation through axisymmetric optical systems. Journal of Optics, 1991, 22, 3-5.	0.3	10
79	Cross spectral density propagation through optical systems. Journal De Physique III, 1991, 1, 1569-1574.	0.3	0
80	Determination of the Director Orientation Inside a Hybrid Nematic Cell by Total Internal Reflection. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1990, 179, 45-55.	0.3	7
81	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
82	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
83	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
84	Comparison of nondiffracting laser beams. Optics Communications, 1990, 75, 353-357.	2.1	17
85	Remarks on the temperature dependence of the optical Fredericksz transition. Optics Communications, 1990, 76, 261-264.	2.1	11
86	Title is missing!. Journal of Optics, 1990, 21, 63-66.	0.3	1
87	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
88	Truncation of non diffracting beams. Optics Communications, 1989, 70, 263-266.	2.1	52
89	Matrix representation of axisymmetric optical systems including spatial filters. Applied Optics, 1989, 28, 4682.	2.1	19
90	Self phase modulation of a Gaussian laser beam through a non linear thin film. Revue De Physique Appliquée, 1989, 24, 411-415.	0.4	5

#	ARTICLE	IF	CITATIONS
91	Laser induced thermal profiles in thermally and optically thin films. Applied Physics B, Photophysics and Laser Chemistry, 1988, 47, 67-69.	1.5	7
92	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
93	Spatial filtering in the detection of transverse phase modulation through a nonlinear thin film. Optics Communications, 1988, 68, 391-395.	2.1	8
94	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
95	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
96	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
97	Self-phase modulation in nematic liquid-crystal films: detailed measurements and theoretical calculations. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 2462.	2.1	50
98	Dielectric receivers for asymmetrical ideal concentrators. Applied Optics, 1988, 27, 2038.	2.1	1
99	"Heat Transfer Studies By Microholographic Interferometry". Proceedings of SPIE, 1988, 0673, 167.	0.8	0
100	Electrooptic beam deflection with latex. Revue De Physique Appliquée, 1988, 23, 97-99.	0.4	0
101	Diffraction Patterns of Self-Phase-Modulated Laser Beams. Europhysics Letters, 1987, 4, 905-908.	2.0	16
102	Ideal nonfocusing concentrator with fin absorbers in dielectric rhombuses. Optics Letters, 1987, 12, 453.	3.3	4
103	Soret effect in forced Rayleigh scattering. Applied Physics B, Photophysics and Laser Chemistry, 1987, 44, 103-106.	1.5	21
104	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
105	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
106	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
107	Ideal concentrators with polygonal absorbers. Revue De Physique Appliquée, 1986, 21, 163-167.	0.4	4
108	Photovoltaic fields: Influence of the array structure on power loss due to cell failures. Applied Energy, 1985, 20, 47-67.	10.1	2

#	ARTICLE	IF	CITATIONS
109	Monitoring the effects of draught elimination. Applied Energy, 1985, 20, 69-83.	10.1	2
110	Asymmetrical ideal concentrators with polygonal absorbers. Revue De Physique Appliquée, 1985, 20, 857-862.	0.4	1
111	Field validation of the AMBRA program simulation. Applied Energy, 1984, 16, 27-39.	10.1	1
112	Dynamic thermal behaviour of a wall. Applied Energy, 1983, 15, 153-165.	10.1	4
113	A dynamic model for the thermal energy management of buildings. Applied Energy, 1983, 15, 285-297.	10.1	4
114	The building as a thermodynamic system. Physical model and experimental test. Revue De Physique Appliquée, 1983, 18, 789-794.	0.4	0
115	Solar system optimisation. Applied Energy, 1980, 7, 5-17.	10.1	1
116	Heat storage and solar system performance. Applied Energy, 1980, 7, 19-29.	10.1	4
117	Energy saving in building design. Applied Energy, 1980, 6, 429-446.	10.1	5
118	Long-term performance of flat-plate solar collectors. Applied Energy, 1980, 7, 119-128.	10.1	10