Ileana Rau

List of Publications by Year
in descending order

175 papers	1,941 citations	331670 21 h-index	315739 38 g-index
185 all docs	185 docs citations	185 times ranked	2275 citing authors

#	Article	IF	Citations
1	A Switchable NLO Organicâ€inorganic Compound Based on Conformationally Chiral Disulfide Molecules and Bi(III)I₅ Iodobismuthate Networks. Advanced Materials, 2008, 20, 1013-1017.	21.0	222
2	Influence of the silica based matrix on the formation of iron oxide nanoparticles in the Fe2O3â€“SiO2 system, obtained by solâ€“gel method. Journal of Materials Chemistry, 2002, 12, 1401-1407.	6.7	144
3	Conglomerate-to-True-Racemate Reversible Solid-State Transition in Crystals of an Organic Disulfide-Based Iodoplumbate. Angewandte Chemie - International Edition, 2006, 45, 2100-2103.	13.8	99
4	Comparison of Z-scan and THG derived nonlinear index of refraction in selected organic solvents. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1738.	2.1	73
5	NLO properties of functionalized DNA thin films. Thin Solid Films, 2008, 516, 8932-8936.	1.8	63
6	Arsenic(V) adsorption by immobilized iron mediation. Modeling of the adsorption process and influence of interfering anions. Reactive and Functional Polymers, 2003, 54, 85-94.	4.1	55
7	Ionically conducting DNA-based membranes for eletrochromic devices. Synthetic Metals, 2011, 161, 2329-2334.	3.9	47
8	DNA â€“ novel nanomaterial for applications in photonics and in electronics. Comptes Rendus Physique, 2012, 13, 853-864.	0.9	47
9	Biopolymer based system doped with nonlinear optical dye as a medium for amplified spontaneous emission and lasing. Applied Physics Letters, 2011, 99, .	3.3	46
10	Multifunctional soft hybrid bio-platforms based on nano-silver and natural compounds. Materials Science and Engineering C, 2016, 69, 922-932.	7.3	32
11	Arsenic(V) Removal from Aqueous Solutions by Iron(III) Loaded Chelating Resin. Journal of Radioanalytical and Nuclear Chemistry, 2000, 246, 597-600.	1.5	31
12	Simultaneous two and three photon resonant enhancement of third-order NLO susceptibility in an azo-dye functionalized polymer film. Physical Chemistry Chemical Physics, 2013, 15, 7060.	2.8	29
13	Aggregation: A new mechanism of relaxation of polar order in electro-optic polymers. Chemical Physics Letters, 2007, 442, 329-333.	2.6	28
14	Collagen-based biomaterials for ibuprofen delivery. Comptes Rendus Chimie, 2016, 19, 390-394.	0.5	28
15	Secondâ€“harmonic generation in poled polymers: preâ€“poling history paradigm. Optics Express, 2010, 18, 18793.	3.4	27
16	A significant improvement of luminance vs current density efficiency of a BioLED. Optical Materials, 2014, 36, 1027-1033.	3.6	26
17	Advances in understanding the photoresponsive behavior of azobenzenes substituted with strong electron withdrawing groups. Optical Materials, 2015, 48, 160-164.	3.6	26
18	Amplified spontaneous emission of 3-(1,1-dicyanoethenyl)-1-phenyl-4,5-dihydro-1H-pyrazole molecule embedded in various polymer matrices. Optical Materials, 2012, 34, 1725-1728.	3.6	25

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19	Chloramphenicol collagen sponges for local drug delivery in dentistry. Comptes Rendus Chimie, 2015, 18, 986-992.	0.5	25
20	Thermal behaviour and spectroscopic investigation of some methyl 2-pyridyl ketone complexes. Journal of Thermal Analysis and Calorimetry, 2010, 100, 1107-1114.	3.6	22
21	Optical Properties of Thin Films of DNA-CTMA and DNA-CTMA Doped with Nile Blue. Molecular Crystals and Liquid Crystals, 2012, 556, 309-316.	0.9	22
22	Concentration Variation of Quadratic NLO Susceptibility in PMMA-DR1 Side Chain Polymer. Molecular Crystals and Liquid Crystals, 2010, 522, 180/[480]-190/[490].	0.9	20
23	Electronic structure and optical properties of some anthocyanins extracted from grapes. Optical Materials, 2012, 34, 1644-1650.	3.6	20
24	Influence of surfactant on dynamics of photoinduced motions and light emission of a dye-doped deoxyribonucleic acid. Optical Materials, 2013, 35, 2389-2393.	3.6	20
25	Synthesis and structural studies of complexes of Cu, Co, Ni and Zn with isonicotinic acid hydrazide and isonicotinic acid (1-naphthylmethylene)hydrazide. Journal of the Serbian Chemical Society, 2010, 75, 229-242.	0.8	20
26	Amplified spontaneous emission of Rhodamine 6G embedded in pure deoxyribonucleic acid. Applied Physics Letters, 2012, 101, .	3.3	19
27	Enhancement of linear and nonlinear optical properties of deoxyribonucleic acid-silica thin films doped with rhodamine. Applied Physics Letters, 2011, 99, .	3.3	18
28	Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties. Journal of Materials Chemistry B, 2014, 2, 3221-3231.	5.8	18
29	First Principle Calculations of the Electronic and Vibrational Properties of the 3-(1,1-Dicyanoethenyl)-1-phenyl-4,5-dihydro-1H-pyrazole Molecule. Journal of Physical Chemistry A, 2015, 119, 1347-1358.	2.5	17
30	Enhanced fluorescence of isophorone derivatives in DNA based materials. Optical Materials, 2013, 35, 1810-1816.	3.6	16
31	Niflumic acid-collagen delivery systems used as anti-inflammatory drugs and analgesics in dentistry. Comptes Rendus Chimie, 2014, 17, 12-17.	0.5	16
32	Tunable wavelength light emission and amplification in Rhodamine 6G aggregates. International Journal of Higher Education Management, 2015, 1, 69-73.	1.3	16
33	Silver-based biohybrids â€œgreenâ€•synthesized from Chelidonium majus L.. Optical Materials, 2016, 56, 94-99.	3.6	16
34	Influence of the parameters of chitin deacetylation process on the chitosan obtained from crab shell waste. Korean Journal of Chemical Engineering, 2019, 36, 1890-1899.	2.7	16
35	Composite SiO2â€”Iron Oxide Materials for Magnetically Intensified Adsorption. Journal of Radioanalytical and Nuclear Chemistry, 2000, 246, 557-563.	1.5	15
36	Synthesis and characterization of side-chain maleimide-styrene copolymers with new pendant azobenzene moieties. Journal of Polymer Research, 2011, 18, 1009-1016.	2.4	15

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37	Poling kinetics and second order NLO properties of DCNP doped PMMA based thin film. Optical Materials, 2013, 36, 69-74.	3.6	15
38	SiO2-Iron Oxide Composites Obtained by Sol-Gel Method. Journal of Sol-Gel Science and Technology, 2000, 19, 631-635.	2.4	14
39	DNA-based membranes for potential applications. Ionics, 2015, 21, 1381-1390.	2.4	14
40	Spontaneous crystalization and aggregation of DCNP pyrazoline-based organic dye as a way to tailor random lasers. Journal Physics D: Applied Physics, 2015, 48, 195101.	2.8	14
41	Electric field tunable light emitting diodes containing europium Î²-diketonates with [2.2]paracyclophane moiety. Optical Materials, 2016, 57, 114-119.	3.6	14
42	DNA influence on norfloxacin fluorescence. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 8-15.	3.9	14
43	Lasing in DNAâ€“CTMA doped with Rhodamine 610 in butanol. Physical Chemistry Chemical Physics, 2015, 17, 13104-13111.	2.8	13
44	Ionophore- Nafionâ„¢ modified gold-coated electrospun polymeric fibers electrodes for determination of electrolytes. Electrochimica Acta, 2020, 363, 137239.	5.2	13
45	Influence of Roughness Surfaces on Third-Order Nonlinear-Optical Properties of Erbium-Doped Zinc Oxide Thin Films. Spectroscopy Letters, 2008, 41, 292-298.	1.0	12
46	Efficient second harmonic generation from thin films of V-shaped benzo[b]thiophene based molecules. Optics Express, 2009, 17, 2557.	3.4	12
47	Keto-enol tautomerism and nonlinear optical properties in Î²-diketones containing [2.2]paracyclophane. Optical Materials, 2013, 36, 47-52.	3.6	12
48	Synthesis of conducting azopolymers by electrochemical grafting of a diazonium salt at polypyrrole electrodes. Synthetic Metals, 2015, 206, 84-91.	3.9	12
49	Piroxicam-Collagen-Based Sponges for Medical Applications. International Journal of Polymer Science, 2019, 2019, 1-7.	2.7	12
50	Control of the IR-spectral shift via modification of the surface relief between the liquid crystal matrixes doped with the lanthanide nanoparticles and the solid substrate. Optics Express, 2016, 24, A270.	3.4	11
51	NANOCOMPOSITE MATERIALS FOR As(V) REMOVAL BY MAGNETICALLY INTENSIFIED ADSORPTION. Separation Science and Technology, 2002, 37, 3693-3701.	2.5	10
52	Fluorescence, spectroscopic and NLO properties of green tea extract in deoxyribonucleic acid. Optical Materials, 2013, 36, 140-145.	3.6	10
53	Novel materials based on DNAâ€CTMA and lanthanide (Ce³⁺, Pr³⁺). Biopolymers, 2016, 105, 613-617.	2.4	10
54	New source of chitosan from Black Sea marine organisms identification. Molecular Crystals and Liquid Crystals, 2016, 628, 102-109.	0.9	10

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55	Collagen network as the scaffold for spontaneously distributed optical resonators. Organic Electronics, 2016, 39, 100-104.	2.6	10
56	Chromophore doped DNA based solid polymer electrolyte for electrochromic devices. Arabian Journal of Chemistry, 2017, 10, 232-239.	4.9	10
57	Conjugated Polymers Oriented Organic Thin Films for Nonlinear Optics. Molecular Crystals and Liquid Crystals, 2006, 446, 23-45.	0.9	9
58	Novel High Glass Transition Temperature Polyurethanes Functionalized with Efficient CT Chromophores for Second Order NLO Applications. Molecular Crystals and Liquid Crystals, 2006, 446, 161-174.	0.9	9
59	On the Stability and Degradation of DNA Based Thin Films. Molecular Crystals and Liquid Crystals, 2010, 523, 182/[754]-190/[762].	0.9	9
60	Refractive index and surface relief grating formation in DNA based dye-doped films. Macromolecular Research, 2013, 21, 331-337.	2.4	9
61	Tuning NLO Susceptibility in Functionalized DNA. Advanced Optical Materials, 2016, 4, 271-275.	7.3	9
62	Oxytetracycline versus Doxycycline Collagen Sponges Designed as Potential Carrier Supports in Biomedical Applications. Pharmaceutics, 2019, 11, 363.	4.5	9
63	Modelling the arsenic (V) and (III) adsorption. European Physical Journal D, 2003, 53, A549-A556.	0.4	8
64	Fluorescence, optical absorption and third-order nonlinear optical properties of terbium (III) complex embedded into DNA-CTMA matrix. Journal of Luminescence, 2017, 182, 59-64.	3.1	8
65	Ecobiophysical Aspects on Nanosilver Biogenerated fromCitrus reticulataPeels, as Potential Biopesticide for Controlling Pathogens and Wetland Plants in Aquatic Media. Journal of Nanomaterials, 2017, 2017, 1-12.	2.7	8
66	Recent advances with electro-optic polymers. Molecular Crystals and Liquid Crystals, 2019, 694, 73-116.	0.9	8
67	Optimization of chitin extraction procedure from shrimp waste using Taguchi method and chitosan characterization. Molecular Crystals and Liquid Crystals, 2019, 695, 19-28.	0.9	8
68	On the Mechanisms of Relaxation in Electro-Optic Polymers. Molecular Crystals and Liquid Crystals, 2008, 485, 862-872.	0.9	7
69	Biopolymer Thin Films for Optoelectronics Applications. Molecular Crystals and Liquid Crystals, 2010, 522, 229/[529]-237/[537].	0.9	7
70	Quadratic susceptibility and first hyperpolarizability of the complex of Cr(CO)3 with [2.2]paracyclophane. Optical Materials, 2013, 36, 146-150.	3.6	7
71	Holographic grating inscription in DR1: DNA-CTMA thin films: the puzzle of time scales. Open Chemistry, 2014, 12, 886-892.	1.9	7
72	All-optical spatial phase modulation in films of dye-doped DNA biopolymer. European Polymer Journal, 2019, 110, 130-137.	5.4	7

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73	Ciprofloxacin-Collagen-Based Materials with Potential Oral Surgical Applications. Polymers, 2020, 12, 1915.	4.5	7
74	New insights into the relaxation of polar order in electro-optic polymers. Thin Solid Films, 2008, 516, 8880-8886.	1.8	6
75	Stability of Selected Chromophores in Biopolymer Matrix. Molecular Crystals and Liquid Crystals, 2012, 554, 43-55.	0.9	6
76	Cytotoxicity Study Regarding Some Products Derived fromMonascus sp.. Molecular Crystals and Liquid Crystals, 2012, 555, 189-194.	0.9	6
77	Pure DNA as an Efficient Electron Blocking Layer. Molecular Crystals and Liquid Crystals, 2014, 604, 213-221.	0.9	6
78	DNA based materials doped with praseodymium (III) hydroxide nanoparticles. Optical Materials, 2016, 56, 3-7.	3.6	6
79	Synthesis, linear and nonlinear optical properties of DNA-CTMA/europium (III) complex. Synthetic Metals, 2016, 221, 120-126.	3.9	6
80	New-chitosan characterization and its bioassay in different salinity solutions using Artemia salina as bio tester. Chemical Papers, 2018, 72, 1853-1860.	2.2	6
81	Third order nonlinear optical properties of DNA-based biopolymers thin films doped with selected natural chromophores. Optical Materials, 2019, 88, 181-186.	3.6	6
82	Kinetics of grating inscription in DR1:DNA-CTMA thin film: experiment and semi-intercalation approach. Proceedings of SPIE, 2012, , .	0.8	5
83	Second Order Nonlinear Optical Properties of a New Class of Organic Molecules. Molecular Crystals and Liquid Crystals, 2012, 554, 22-30.	0.9	5
84	DNA- and DNA-CTMA: novel bio-nanomaterials for application in photonics and in electronics. Proceedings of SPIE, 2013, , .	0.8	5
85	Latest advances in biomaterials: from deoxyribonucleic acid to nucleobases. , 2014, , .		5
86	Well-defined second-order nonlinear optical polymers by controlled radical polymerization, via multifunctional macromolecular chain transfer agent: Design, synthesis, and characterizations. Polymer, 2014, 55, 782-787.	3.8	5
87	Pharmaceutical Applications of Chitosan Extracted from Local Marine Sources. Revista De Chimie (discontinued), 2019, 70, 2618-2621.	0.4	5
88	Metal(II) Nitrate Complexes with Phenyl-2-Pyridil-Ketone: Synthesis, Characterization and Antibacterial Activity. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2009, 39, 419-424.	0.6	4
89	Biopolymer Thin Films for Photonics Applications. Key Engineering Materials, 0, 415, 33-36.	0.4	4
90	Biostimulatory Properties ofMonascus sp.Bioproducts. Molecular Crystals and Liquid Crystals, 2012, 555, 195-201.	0.9	4

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91	Nonlinear optical properties of Rh610 sensitized DNA-CTMA characterized by Z-Scan. Proceedings of SPIE, 2013, , .	0.8	4
92	Photochemistry of Fluorescent Azobenzenes Substituted with Azulenylpyridine Moiety. Molecular Crystals and Liquid Crystals, 2014, 604, 41-51.	0.9	4
93	Gold and silver geranium biocomposites. Molecular Crystals and Liquid Crystals, 2016, 627, 190-197.	0.9	4
94	The correlation between SHG efficiency and structural peculiarities of [2.2]paracyclophane derivatives. Molecular Crystals and Liquid Crystals, 2017, 655, 16-34.	0.9	4
95	Electrochemical Behavior of Ti and TiAlV in Tani-Zucchi Artificial Saliva. Molecular Crystals and Liquid Crystals, 2004, 418, 271-284.	0.9	3
96	The Characterization of Bioartificial Polymer Films Based on Collagen Filled with Oligoelements. Molecular Crystals and Liquid Crystals, 2004, 418, 291-298.	0.9	3
97	Preparation and study of nonlinear optical properties of functionalized DNA thin films. , 2007, , .		3
98	Synthesis and Spectroscopic Properties of Porphyrin Derivatives of C60. Molecular Crystals and Liquid Crystals, 2010, 521, 253-264.	0.9	3
99	Therapeutic Effect of Polysaccharides fromPlantago Species. Molecular Crystals and Liquid Crystals, 2010, 523, 236/[808]-246/[818].	0.9	3
100	Natural materials with enhanced optical damage threshold. Optical Materials, 2018, 86, 1-6.	3.6	3
101	Micromorphological details and identification of chitinous wall structures in Rapana venosa (Gastropoda, Mollusca) egg capsules. Scientific Reports, 2020, 10, 14550.	3.3	3
102	Linear and nonlinear optical properties of a rotaxane molecule. , 2006, , .		2
103	Spectral and Chromatic Analysis in Art Work Authentication. Molecular Crystals and Liquid Crystals, 2008, 484, 213/[579]-237/[603].	0.9	2
104	Monte Carlo kinetic study of chromophore distribution in poled guest-host system. Proceedings of SPIE, 2008, , .	0.8	2
105	Therapeutic Effect of Flavonoids Derived fromPlantago Species. Molecular Crystals and Liquid Crystals, 2010, 523, 273/[845]-281/[853].	0.9	2
106	Organic capacitive structures using biopolymers. , 2011, , .		2
107	Towards modelling of stochastic kinetics for process related to photochromic dye semi-intercalation in DNA-based polymer matrix. , 2011, , .		2
108	Preparation, linear and NLO properties of DNA-CTMA-SBE complexes. Proceedings of SPIE, 2013, , .	0.8	2

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109	Biohybrids Based on Carbon Nanotubes and Liposomes â€“ Biophysical Studies. Molecular Crystals and Liquid Crystals, 2014, 604, 1-10.	0.9	2
110	Chitosan an eco-friendly biomaterial from marine invertebrates. , 2015, , .		2
111	Separation and purification of natural extracts obtained from beetroot (Beta vulgaris): Topic: Chemistry applied in medicine. , 2015, , .		2
112	New polymeric materials for photonic applications: Preliminary investigations. Optical Materials, 2016, 56, 90-93.	3.6	2
113	Effect of UV irradiation on biomimetic membranes labelled with bioporphyrins. Molecular Crystals and Liquid Crystals, 2017, 655, 87-93.	0.9	2
114	Photoresponsive natural materials. Molecular Crystals and Liquid Crystals, 2019, 695, 37-44.	0.9	2
115	The electrochromic device performance with DNA based electrolyte. Materials Chemistry and Physics, 2020, 241, 122349.	4.0	2
116	Kinetics of photoizomerization of DR1 molecules embedded in solid matrix by a dynamic holography method. , 2004, 5351, 319.		1
117	A new mechanism of relaxation in poled guest-host systems: Monte Carlo analysis of aggregation scenario. , 2007, , .		1
118	The class of molecules with mobile parts: Catenanes and rotaxanes for nonlinear optical applications. , 2007, , .		1
119	Photoinduced Gratings in Functionalized Azo-Carbazole Compounds in Picosecond Regime. Molecular Crystals and Liquid Crystals, 2008, 485, 1030-1042.	0.9	1
120	New Scaffold Structure Based on Collagen. Fabrication and Biocompatibility Evaluation. Molecular Crystals and Liquid Crystals, 2008, 486, 147/[1189]-156/[1198].	0.9	1
121	Photoluminescence properties of 4,5-dimethyl-4â€²,5â€²-di(methylamido) tetrathiafulvalene thin film grown by thermal evaporation. Optical Materials, 2009, 31, 831-836.	3.6	1
122	Biomaterials based on DNA embedded in silica matrix. , 2009, , .		1
123	Biological properties of nanomaterials based on irridoidic compounds. Proceedings of SPIE, 2009, , .	0.8	1
124	Nonlinear optical properties of functionalized DNA. Journal of Computational Methods in Sciences and Engineering, 2010, 10, 545-557.	0.2	1
125	Therapeutic Effect of Irridoidic Compounds fromPlantago Species. Molecular Crystals and Liquid Crystals, 2010, 523, 289/[861]-296/[868].	0.9	1
126	Optical third-harmonic generation measurements in biopolymer complexes. , 2012, , .		1

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127	Guest Editorsâ€™ Foreword. Molecular Crystals and Liquid Crystals, 2012, 554, 1-3.	0.9	1
128	Influence of surfactant on dynamics of photoinduced motions in a dye-doped deoxyribonucleic acid. Proceedings of SPIE, 2012, , .	0.8	1
129	Lasing and random lasing based on organic molecules. , 2013, , .		1
130	A method for determination of real and imaginary parts of third-order NLO susceptibility in solid solutions. Optical Materials, 2013, 35, 1099-1102.	3.6	1
131	Grating inscription in DR1:DNA-CTMA thin films: theory and experiment. Proceedings of SPIE, 2013, , .	0.8	1
132	Spectro-Electrochemical Properties ofÂPelargonidin-3-O-Glucoside. Molecular Crystals and Liquid Crystals, 2014, 603, 136-145.	0.9	1
133	Random lasing in dye doped bio-organic based systems: recent experiments and stochastic approach. Proceedings of SPIE, 2014, , .	0.8	1
134	Bio-inspired materials for electrochemical devices. , 2015, , .		1
135	Preliminary studies concerning some natural extracts influence on dentin. Molecular Crystals and Liquid Crystals, 2016, 628, 110-114.	0.9	1
136	A simple technique for measuring the optical propagation losses in thin films. Molecular Crystals and Liquid Crystals, 2017, 655, 51-60.	0.9	1
137	Comparative solubility studies of some natural wild berries extracts. Molecular Crystals and Liquid Crystals, 2019, 695, 78-84.	0.9	1
138	New Treatment for Dentistry Regeneration Based on Metronidazole Release from Collagen/Strontium Sponges. Materiale Plastice, 2018, 55, 243-246.	0.8	1
139	STRUCTURAL CHARACTERIZATION AND IN VITRO CYTOTOXIC POTENTIAL OF COAL DUST IN A ROMANIAN POWER PLANT. Environmental Engineering and Management Journal, 2010, 9, 1297-1304.	0.6	1
140	Review of biomaterials for electronics and photonics. , 2018, , .		1
141	Photochromism in thin films containing azodyes. , 0, , .		0
142	Oriented conjugated polymer thin films for all optical switching applications. , 2005, , .		0
143	Carbazole-based Azopolymers for Non-Linear Optics. Molecular Crystals and Liquid Crystals, 2006, 447, 167/[485]-172/[490].	0.9	0
144	Novel Solâ€“Gel Systems for Application in Optical Signal Processing. Molecular Crystals and Liquid Crystals, 2006, 446, 141-150.	0.9	0

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145	Calibration and rotational contribution in third-order NLO properties characterization. , 2008, , .		0
146	New trends in architecture of azo-polymer materials with applications in optical field. , 2009, , .		0
147	New nanobiomaterials based on irridoidic compounds. Proceedings of SPIE, 2009, , .	0.8	0
148	Biopigments, Obtaining and Properties. Molecular Crystals and Liquid Crystals, 2010, 523, 1/[573]-10/[582].	0.9	0
149	Photoluminescence and Electro-Optic Kerr Effect in Porphyrin Derivatives of C60. Molecular Crystals and Liquid Crystals, 2010, 522, 191/[491]-202/[502].	0.9	0
150	All optical switching in a photochromic dye-doped biopolymeric matrix. Proceedings of SPIE, 2011, , .	0.8	0
151	The substituted [2.2] paracyclophanes as versatile platform for a design of new optical materials. Proceedings of SPIE, 2011, , .	0.8	0
152	Antioxidant Properties of Fungal Biomaterial. Molecular Crystals and Liquid Crystals, 2012, 555, 202-207.	0.9	0
153	Adsorption Modeling of Polychlorinated Biphenyls on Fluorisil. Molecular Crystals and Liquid Crystals, 2012, 554, 135-149.	0.9	0
154	Some technical methods to study the roughness of some surfaces generated into metallic targets by laser micro piercing in determined conditions. , 2012, , .		0
155	About some possibilities of influencing the energetic relief of metals in order to favor micro-joining processes. , 2012, , .		0
156	Photonic applications of photochromic molecules. , 2012, , .		0
157	Editor's Foreword. International Quarterly of Community Health Education, 2012, 32, 177-178.	0.9	0
158	Random lasing in bio-polymeric dye-doped systems. , 2013, , .		0
159	Advanced Metallic Stents and Their Efficiency in Complicated Myocardial Infarction Treatment. Molecular Crystals and Liquid Crystals, 2014, 603, 99-104.	0.9	0
160	Biopolymers suitable for space environments. , 2014, , .		0
161	Investigations of molecular nonlinear optical polarizabilities of azobenzenes substituted with strong acceptor groups. Proceedings of SPIE, 2014, , .	0.8	0
162	Spectral characterisation of some materials based on natural extracts: Topic title(s): Biomaterials. , 2015, , .		0

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163	Towards modeling of random lasing in dye doped bio-organic based systems: ray-tracing and cellular automaton analysis. , 2015, , .		0
164	Photoresponsive behavior of azobenzene hybrid materials. , 2015, , .		0
165	Effect of charge carrier blocking layers on poling nonlinear optic polymers. Proceedings of SPIE, 2016, , .	0.8	0
166	Dynamical light scattering for DNA-CTMA:DR1 chains: wormlike semi-flexible model, coil size and persistence length. , 2016, , .		0
167	Electro-optic enhancing interfacial buffer layers for nonlinear optic polymers. , 2016, , .		0
168	Effect of charge carrier blocking, surface resistance and electric field distribution on electric field poling of nonlinear optic polymers. , 2017, , .		0
169	Chromophore influence on DNA compactisation (Conference Presentation). , 2017, , .		0
170	Essential oils alternative for the human dentine treatment. Molecular Crystals and Liquid Crystals, 2017, 655, 272-274.	0.9	0
171	Modeling the drugs release from composite materials based on collagen. Molecular Crystals and Liquid Crystals, 2017, 655, 250-254.	0.9	0
172	Lipo-nanosilver composites biogenerated using Artemisia abrotanum L. aqueous extract. Molecular Crystals and Liquid Crystals, 2019, 694, 40-48.	0.9	0
173	Charge carrier blocking layers for polymer-based electro-optic devices. , 2017, , .		0
174	Evaluation of Manganese Retention in the Crustacean Tissue and its Implications for Chitin Product and Applications. , 2021, , .		0
175	Corona poling of PMMA based thin films doped by oxy and carboxy derivatives of [2,2]paracyclophane. Optical Materials, 2022, 131, 112663.	3.6	0