

# Ileana Rau

## List of Publications by Year in descending order

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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	Corona poling of PMMA based thin films doped by oxy and carboxy derivatives of [2,2]paracyclophane. <i>Optical Materials</i> , 2022, 131, 112663.	3.6	0
2	Evaluation of Manganese Retention in the Crustacean Tissue and its Implications for Chitin Product and Applications. , 2021, , .		0
3	The electrochromic device performance with DNA based electrolyte. <i>Materials Chemistry and Physics</i> , 2020, 241, 122349.	4.0	2
4	Ionophore- Nafionâ„¢ modified gold-coated electrospun polymeric fibers electrodes for determination of electrolytes. <i>Electrochimica Acta</i> , 2020, 363, 137239.	5.2	13
5	Micromorphological details and identification of chitinous wall structures in <i>Rapana venosa</i> (Gastropoda, Mollusca) egg capsules. <i>Scientific Reports</i> , 2020, 10, 14550.	3.3	3
6	Ciprofloxacin-Collagen-Based Materials with Potential Oral Surgical Applications. <i>Polymers</i> , 2020, 12, 1915.	4.5	7
7	DNA influence on norfloxacin fluorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 8-15.	3.9	14
8	Oxytetracycline versus Doxycycline Collagen Sponges Designed as Potential Carrier Supports in Biomedical Applications. <i>Pharmaceutics</i> , 2019, 11, 363.	4.5	9
9	Influence of the parameters of chitin deacetylation process on the chitosan obtained from crab shell waste. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1890-1899.	2.7	16
10	Piroxicam-Collagen-Based Sponges for Medical Applications. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-7.	2.7	12
11	Lipo-nanosilver composites biogenerated using <i>Artemisia abrotanum</i> L. aqueous extract. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 694, 40-48.	0.9	0
12	Recent advances with electro-optic polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 694, 73-116.	0.9	8
13	Optimization of chitin extraction procedure from shrimp waste using Taguchi method and chitosan characterization. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 695, 19-28.	0.9	8
14	Photoresponsive natural materials. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 695, 37-44.	0.9	2
15	Comparative solubility studies of some natural wild berries extracts. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 695, 78-84.	0.9	1
16	All-optical spatial phase modulation in films of dye-doped DNA biopolymer. <i>European Polymer Journal</i> , 2019, 110, 130-137.	5.4	7
17	Third order nonlinear optical properties of DNA-based biopolymers thin films doped with selected natural chromophores. <i>Optical Materials</i> , 2019, 88, 181-186.	3.6	6
18	Pharmaceutical Applications of Chitosan Extracted from Local Marine Sources. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 2618-2621.	0.4	5

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19	New-chitosan characterization and its bioassay in different salinity solutions using <i>Artemia salina</i> as bio tester. <i>Chemical Papers</i> , 2018, 72, 1853-1860.	2.2	6
20	Natural materials with enhanced optical damage threshold. <i>Optical Materials</i> , 2018, 86, 1-6.	3.6	3
21	New Treatment for Dentistry Regeneration Based on Metronidazole Release from Collagen/Strontium Sponges. <i>Materiale Plastice</i> , 2018, 55, 243-246.	0.8	1
22	Review of biomaterials for electronics and photonics. , 2018, , .		1
23	Chromophore doped DNA based solid polymer electrolyte for electrochromic devices. <i>Arabian Journal of Chemistry</i> , 2017, 10, 232-239.	4.9	10
24	Effect of charge carrier blocking, surface resistance and electric field distribution on electric field poling of nonlinear optic polymers. , 2017, , .		0
25	Chromophore influence on DNA compactisation (Conference Presentation). , 2017, , .		0
26	The correlation between SHG efficiency and structural peculiarities of [2.2]paracyclophane derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 16-34.	0.9	4
27	Fluorescence, optical absorption and third-order nonlinear optical properties of terbium (III) complex embedded into DNA-CTMA matrix. <i>Journal of Luminescence</i> , 2017, 182, 59-64.	3.1	8
28	Essential oils alternative for the human dentine treatment. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 272-274.	0.9	0
29	Effect of UV irradiation on biomimetic membranes labelled with bioporphyrins. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 87-93.	0.9	2
30	Modeling the drugs release from composite materials based on collagen. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 250-254.	0.9	0
31	A simple technique for measuring the optical propagation losses in thin films. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 655, 51-60.	0.9	1
32	Ecobiophysical Aspects on Nanosilver Biogenerated from <i>Citrus reticulata</i> Peels, as Potential Biopesticide for Controlling Pathogens and Wetland Plants in Aquatic Media. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-12.	2.7	8
33	Charge carrier blocking layers for polymer-based electro-optic devices. , 2017, , .		0
34	Novel materials based on DNA-CTMA and lanthanide ( $Ce^{3+}$ , $Pr^{3+}$ ). <i>Biopolymers</i> , 2016, 105, 613-617.	2.4	10
35	New polymeric materials for photonic applications: Preliminary investigations. <i>Optical Materials</i> , 2016, 56, 90-93.	3.6	2
36	New source of chitosan from Black Sea marine organisms identification. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 628, 102-109.	0.9	10

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37	DNA based materials doped with praseodymium (III) hydroxide nanoparticles. <i>Optical Materials</i> , 2016, 56, 3-7.	3.6	6
38	Electric field tunable light emitting diodes containing europium $\beta^2$ -diketonates with [2.2]paracyclophane moiety. <i>Optical Materials</i> , 2016, 57, 114-119.	3.6	14
39	Synthesis, linear and nonlinear optical properties of DNA-CTMA/europium (III) complex. <i>Synthetic Metals</i> , 2016, 221, 120-126.	3.9	6
40	Collagen network as the scaffold for spontaneously distributed optical resonators. <i>Organic Electronics</i> , 2016, 39, 100-104.	2.6	10
41	Multifunctional soft hybrid bio-platforms based on nano-silver and natural compounds. <i>Materials Science and Engineering C</i> , 2016, 69, 922-932.	7.3	32
42	Effect of charge carrier blocking layers on poling nonlinear optic polymers. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
43	Dynamical light scattering for DNA-CTMA:DR1 chains: wormlike semi-flexible model, coil size and persistence length. , 2016, , .		0
44	Tuning NLO Susceptibility in Functionalized DNA. <i>Advanced Optical Materials</i> , 2016, 4, 271-275.	7.3	9
45	Preliminary studies concerning some natural extracts influence on dentin. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 628, 110-114.	0.9	1
46	Gold and silver geranium biocomposites. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 627, 190-197.	0.9	4
47	Collagen-based biomaterials for ibuprofen delivery. <i>Comptes Rendus Chimie</i> , 2016, 19, 390-394.	0.5	28
48	Silver-based biohybrids "œgreen" synthesized from <i>Chelidonium majus</i> L.. <i>Optical Materials</i> , 2016, 56, 94-99.	3.6	16
49	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. <i>Optics Express</i> , 2016, 24, A270.	3.4	11
50	Electro-optic enhancing interfacial buffer layers for nonlinear optic polymers. , 2016, , .		0
51	Chitosan an eco-friendly biomaterial from marine invertebrates. , 2015, , .		2
52	Spectral characterisation of some materials based on natural extracts: Topic title(s): Biomaterials. , 2015, , .		0
53	Synthesis of conducting azopolymers by electrochemical grafting of a diazonium salt at polypyrrole electrodes. <i>Synthetic Metals</i> , 2015, 206, 84-91.	3.9	12
54	Tunable wavelength light emission and amplification in Rhodamine 6G aggregates. <i>International Journal of Higher Education Management</i> , 2015, 1, 69-73.	1.3	16

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55	Separation and purification of natural extracts obtained from beetroot ( <i>Beta vulgaris</i> ): Topic: Chemistry applied in medicine. , 2015, , .		2
56	Towards modeling of random lasing in dye doped bio-organic based systems: ray-tracing and cellular automaton analysis. , 2015, , .		0
57	First Principle Calculations of the Electronic and Vibrational Properties of the 3-(1,1-Dicyanoethenyl)-1-phenyl-4,5-dihydro-1H-pyrazole Molecule. <i>Journal of Physical Chemistry A</i> , 2015, 119, 1347-1358.	2.5	17
58	DNA-based membranes for potential applications. <i>Ionics</i> , 2015, 21, 1381-1390.	2.4	14
59	Lasing in DNA-CTMA doped with Rhodamine 610 in butanol. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13104-13111.	2.8	13
60	Spontaneous crystalization and aggregation of DCNP pyrazoline-based organic dye as a way to tailor random lasers. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 195101.	2.8	14
61	Bio-inspired materials for electrochemical devices. , 2015, , .		1
62	Advances in understanding the photoresponsive behavior of azobenzenes substituted with strong electron withdrawing groups. <i>Optical Materials</i> , 2015, 48, 160-164.	3.6	26
63	Photoresponsive behavior of azobenzene hybrid materials. , 2015, , .		0
64	Chloramphenicol collagen sponges for local drug delivery in dentistry. <i>Comptes Rendus Chimie</i> , 2015, 18, 986-992.	0.5	25
65	Pure DNA as an Efficient Electron Blocking Layer. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 213-221.	0.9	6
66	Biohybrids Based on Carbon Nanotubes and Liposomes - Biophysical Studies. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 1-10.	0.9	2
67	Spectro-Electrochemical Properties of Pelargonidin-3-O-Glucoside. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 603, 136-145.	0.9	1
68	Advanced Metallic Stents and Their Efficiency in Complicated Myocardial Infarction Treatment. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 603, 99-104.	0.9	0
69	Biopolymers suitable for space environments. , 2014, , .		0
70	Photochemistry of Fluorescent Azobenzenes Substituted with Azulenylpyridine Moiety. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 604, 41-51.	0.9	4
71	Investigations of molecular nonlinear optical polarizabilities of azobenzenes substituted with strong acceptor groups. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
72	Latest advances in biomaterials: from deoxyribonucleic acid to nucleobases. , 2014, , .		5

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73	Niflumic acid-collagen delivery systems used as anti-inflammatory drugs and analgesics in dentistry. Comptes Rendus Chimie, 2014, 17, 12-17.	0.5	16
74	A significant improvement of luminance vs current density efficiency of a BioLED. Optical Materials, 2014, 36, 1027-1033.	3.6	26
75	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
76	Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties. Journal of Materials Chemistry B, 2014, 2, 3221-3231.	5.8	18
77	Holographic grating inscription in DR1: DNA-CTMA thin films: the puzzle of time scales. Open Chemistry, 2014, 12, 886-892.	1.9	7
78	Random lasing in dye doped bio-organic based systems: recent experiments and stochastic approach. Proceedings of SPIE, 2014, , .	0.8	1
79	Refractive index and surface relief grating formation in DNA based dye-doped films. Macromolecular Research, 2013, 21, 331-337.	2.4	9
80	Keto-enol tautomerism and nonlinear optical properties in $\hat{1}^2$ -diketones containing [2.2]paracyclophane. Optical Materials, 2013, 36, 47-52.	3.6	12
81	Quadratic susceptibility and first hyperpolarizability of the complex of Cr(CO) <sub>3</sub> with [2.2]paracyclophane. Optical Materials, 2013, 36, 146-150.	3.6	7
82	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
83	Nonlinear optical properties of Rh610 sensitized DNA-CTMA characterized by Z-Scan. Proceedings of SPIE, 2013, , .	0.8	4
84	Enhanced fluorescence of isophorone derivatives in DNA based materials. Optical Materials, 2013, 35, 1810-1816.	3.6	16
85	Fluorescence, spectroscopic and NLO properties of green tea extract in deoxyribonucleic acid. Optical Materials, 2013, 36, 140-145.	3.6	10
86	Lasing and random lasing based on organic molecules. , 2013, , .		1
87	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
88	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
89	Poling kinetics and second order NLO properties of DCNP doped PMMA based thin film. Optical Materials, 2013, 36, 69-74.	3.6	15
90	DNA- and DNA-CTMA: novel bio-nanomaterials for application in photonics and in electronics. Proceedings of SPIE, 2013, , .	0.8	5

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91	Random lasing in bio-polymeric dye-doped systems. , 2013, , .		0
92	Preparation, linear and NLO properties of DNA-CTMA-SBE complexes. Proceedings of SPIE, 2013, , .	0.8	2
93	Grating inscription in DR1:DNA-CTMA thin films: theory and experiment. Proceedings of SPIE, 2013, , .	0.8	1
94	Optical third-harmonic generation measurements in biopolymer complexes. , 2012, , .		1
95	Kinetics of grating inscription in DR1:DNA-CTMA thin film: experiment and semi-intercalation approach. Proceedings of SPIE, 2012, , .	0.8	5
96	Antioxidant Properties of Fungal Biomaterial. Molecular Crystals and Liquid Crystals, 2012, 555, 202-207.	0.9	0
97	Adsorption Modeling of Polychlorinated Biphenyls on Fluorasil. Molecular Crystals and Liquid Crystals, 2012, 554, 135-149.	0.9	0
98	Some technical methods to study the roughness of some surfaces generated into metallic targets by laser micro piercing in determined conditions. , 2012, , .		0
99	About some possibilities of influencing the energetic relief of metals in order to favor micro-joining processes. , 2012, , .		0
100	Amplified spontaneous emission of Rhodamine 6G embedded in pure deoxyribonucleic acid. Applied Physics Letters, 2012, 101, .	3.3	19
101	Second Order Nonlinear Optical Properties of a New Class of Organic Molecules. Molecular Crystals and Liquid Crystals, 2012, 554, 22-30.	0.9	5
102	Guest Editorsâ€™ Foreword. Molecular Crystals and Liquid Crystals, 2012, 554, 1-3.	0.9	1
103	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
104	Electronic structure and optical properties of some anthocyanins extracted from grapes. Optical Materials, 2012, 34, 1644-1650.	3.6	20
105	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
106	DNA â€™ novel nanomaterial for applications in photonics and in electronics. Comptes Rendus Physique, 2012, 13, 853-864.	0.9	47
107	Stability of Selected Chromophores in Biopolymer Matrix. Molecular Crystals and Liquid Crystals, 2012, 554, 43-55.	0.9	6
108	Influence of surfactant on dynamics of photoinduced motions in a dye-doped deoxyribonucleic acid. Proceedings of SPIE, 2012, , .	0.8	1

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109	Photonic applications of photochromic molecules. , 2012, , .		0
110	Biostimulatory Properties of <i>Monascus</i> sp. Bioproducts. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 555, 195-201.	0.9	4
111	Cytotoxicity Study Regarding Some Products Derived from <i>Monascus</i> sp.. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 555, 189-194.	0.9	6
112	Editor's Foreword. <i>International Quarterly of Community Health Education</i> , 2012, 32, 177-178.	0.9	0
113	Organic capacitive structures using biopolymers. , 2011, , .		2
114	Towards modelling of stochastic kinetics for process related to photochromic dye semi-intercalation in DNA-based polymer matrix. , 2011, , .		2
115	All optical switching in a photochromic dye-doped biopolymeric matrix. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
116	Biopolymer based system doped with nonlinear optical dye as a medium for amplified spontaneous emission and lasing. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	46
117	Ionically conducting DNA-based membranes for electrochromic devices. <i>Synthetic Metals</i> , 2011, 161, 2329-2334.	3.9	47
118	Synthesis and characterization of side-chain maleimide-styrene copolymers with new pendant azobenzene moieties. <i>Journal of Polymer Research</i> , 2011, 18, 1009-1016.	2.4	15
119	Enhancement of linear and nonlinear optical properties of deoxyribonucleic acid-silica thin films doped with rhodamine. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	18
120	The substituted [2.2] paracyclophanes as versatile platform for a design of new optical materials. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
121	Thermal behaviour and spectroscopic investigation of some methyl 2-pyridyl ketone complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 1107-1114.	3.6	22
122	Nonlinear optical properties of functionalized DNA. <i>Journal of Computational Methods in Sciences and Engineering</i> , 2010, 10, 545-557.	0.2	1
123	Therapeutic Effect of Flavonoids Derived from <i>Plantago</i> Species. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 523, 273/[845]-281/[853].	0.9	2
124	Biopigments, Obtaining and Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 523, 1/[573]-10/[582].	0.9	0
125	Synthesis and Spectroscopic Properties of Porphyrin Derivatives of C60. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 521, 253-264.	0.9	3
126	Photoluminescence and Electro-Optic Kerr Effect in Porphyrin Derivatives of C60. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 522, 191/[491]-202/[502].	0.9	0



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127	Therapeutic Effect of Irridoidic Compounds from <i>Plantago Species</i> . <i>Molecular Crystals and Liquid Crystals</i> , 2010, 523, 289/[861]-296/[868].	0.9	1
128	On the Stability and Degradation of DNA Based Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 523, 182/[754]-190/[762].	0.9	9
129	Concentration Variation of Quadratic NLO Susceptibility in PMMA-DR1 Side Chain Polymer. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 522, 180/[480]-190/[490].	0.9	20
130	Second harmonic generation in poled polymers: prepoling history paradigm. <i>Optics Express</i> , 2010, 18, 18793.	3.4	27
131	Therapeutic Effect of Polysaccharides from <i>Plantago Species</i> . <i>Molecular Crystals and Liquid Crystals</i> , 2010, 523, 236/[808]-246/[818].	0.9	3
132	Biopolymer Thin Films for Optoelectronics Applications. <i>Molecular Crystals and Liquid Crystals</i> , 2010, 522, 229/[529]-237/[537].	0.9	7
133	Synthesis and structural studies of complexes of Cu, Co, Ni and Zn with isonicotinic acid hydrazide and isonicotinic acid (1-naphthylmethylene)hydrazide. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 229-242.	0.8	20
134	STRUCTURAL CHARACTERIZATION AND IN VITRO CYTOTOXIC POTENTIAL OF COAL DUST IN A ROMANIAN POWER PLANT. <i>Environmental Engineering and Management Journal</i> , 2010, 9, 1297-1304.	0.6	1
135	Metal(II) Nitrate Complexes with Phenyl-2-Pyridil-Ketone: Synthesis, Characterization and Antibacterial Activity. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2009, 39, 419-424.	0.6	4
136	Photoluminescence properties of 4,5-dimethyl-4,5-di(methylamido) tetrathiafulvalene thin film grown by thermal evaporation. <i>Optical Materials</i> , 2009, 31, 831-836.	3.6	1
137	Efficient second harmonic generation from thin films of V-shaped benzo[b]thiophene based molecules. <i>Optics Express</i> , 2009, 17, 2557.	3.4	12
138	New trends in architecture of azo-polymer materials with applications in optical field. , 2009, , .		0
139	Biomaterials based on DNA embedded in silica matrix. , 2009, , .		1
140	Biological properties of nanomaterials based on irridoidic compounds. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
141	New nanobiomaterials based on irridoidic compounds. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
142	NLO properties of functionalized DNA thin films. <i>Thin Solid Films</i> , 2008, 516, 8932-8936.	1.8	63
143	A Switchable NLO Organic-Inorganic Compound Based on Conformationally Chiral Disulfide Molecules and Bi(III) Iodobismuthate Networks. <i>Advanced Materials</i> , 2008, 20, 1013-1017.	21.0	222
144	New insights into the relaxation of polar order in electro-optic polymers. <i>Thin Solid Films</i> , 2008, 516, 8880-8886.	1.8	6

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145	Photoinduced Gratings in Functionalized Azo-Carbazole Compounds in Picosecond Regime. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 485, 1030-1042.	0.9	1
146	Comparison of Z-scan and THG derived nonlinear index of refraction in selected organic solvents. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1738.	2.1	73
147	On the Mechanisms of Relaxation in Electro-Optic Polymers. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 485, 862-872.	0.9	7
148	New Scaffold Structure Based on Collagen. Fabrication and Biocompatibility Evaluation. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 486, 147/[1189]-156/[1198].	0.9	1
149	Influence of Roughness Surfaces on Third-Order Nonlinear-Optical Properties of Erbium-Doped Zinc Oxide Thin Films. <i>Spectroscopy Letters</i> , 2008, 41, 292-298.	1.0	12
150	Spectral and Chromatic Analysis in Art Work Authentication. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 484, 213/[579]-237/[603].	0.9	2
151	Monte Carlo kinetic study of chromophore distribution in poled guest-host system. <i>Proceedings of SPIE</i> , 2008, , .	0.8	2
152	Calibration and rotational contribution in third-order NLO properties characterization. , 2008, , .		0
153	A new mechanism of relaxation in poled guest-host systems: Monte Carlo analysis of aggregation scenario. , 2007, , .		1
154	The class of molecules with mobile parts: Catenanes and rotaxanes for nonlinear optical applications. , 2007, , .		1
155	Preparation and study of nonlinear optical properties of functionalized DNA thin films. , 2007, , .		3
156	Aggregation: A new mechanism of relaxation of polar order in electro-optic polymers. <i>Chemical Physics Letters</i> , 2007, 442, 329-333.	2.6	28
157	Conjugated Polymers Oriented Organic Thin Films for Nonlinear Optics. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 446, 23-45.	0.9	9
158	Carbazole-based Azopolymers for Non-Linear Optics. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 447, 167/[485]-172/[490].	0.9	0
159	Linear and nonlinear optical properties of a rotaxane molecule. , 2006, , .		2
160	Conglomerate-to-True-Racemate Reversible Solid-State Transition in Crystals of an Organic Disulfide-Based Iodoplumbate. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2100-2103.	13.8	99
161	Novel Solâ€“Gel Systems for Application in Optical Signal Processing. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 446, 141-150.	0.9	0
162	Novel High Glass Transition Temperature Polyurethanes Functionalized with Efficient CT Chromophores for Second Order NLO Applications. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 446, 161-174.	0.9	9

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163	Oriented conjugated polymer thin films for all optical switching applications. , 2005, , .		0
164	Electrochemical Behavior of Ti and TiAlV in Tani-Zucchi Artificial Saliva. Molecular Crystals and Liquid Crystals, 2004, 418, 271-284.	0.9	3
165	Kinetics of photoisomerization of DR1 molecules embedded in solid matrix by a dynamic holography method. , 2004, 5351, 319.		1
166	The Characterization of Bioartificial Polymer Films Based on Collagen Filled with Oligoelements. Molecular Crystals and Liquid Crystals, 2004, 418, 291-298.	0.9	3
167	Modelling the arsenic (V) and (III) adsorption. European Physical Journal D, 2003, 53, A549-A556.	0.4	8
168	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
169	Influence of the silica based matrix on the formation of iron oxide nanoparticles in the Fe <sub>2</sub> O <sub>3</sub> •SiO <sub>2</sub> system, obtained by sol-gel method. Journal of Materials Chemistry, 2002, 12, 1401-1407.	6.7	144
170	NANOCOMPOSITE MATERIALS FOR As(V) REMOVAL BY MAGNETICALLY INTENSIFIED ADSORPTION. Separation Science and Technology, 2002, 37, 3693-3701.	2.5	10
171	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
172	Composite SiO <sub>2</sub> •Iron Oxide Materials for Magnetically Intensified Adsorption. Journal of Radioanalytical and Nuclear Chemistry, 2000, 246, 557-563.	1.5	15
173	SiO <sub>2</sub> -Iron Oxide Composites Obtained by Sol-Gel Method. Journal of Sol-Gel Science and Technology, 2000, 19, 631-635.	2.4	14
174	Photochromism in thin films containing azodyes. , 0, , .		0
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