Bouchtra Sahraoui

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4279390/publications.pdf

Version: 2024-02-01

408 papers	8,533 citations	29994 54 h-index	79541 73 g-index
417 all docs	417 docs citations	417 times ranked	5568 citing authors

#	Article	IF	Citations
1	Infinite Lifshitz point in incommensurate type-I dielectrics. Physical Review B, 1999, 60, 10-13.	1.1	293
2	A Switchable NLO Organicâ€inorganic Compound Based on Conformationally Chiral Disulfide Molecules and Bi(III)I₅ Iodobismuthate Networks. Advanced Materials, 2008, 20, 1013-1017.	11.1	222
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.	7.2	99
4	Zinc Induced a Dramatic Enhancement of the Nonlinear Optical Properties of an Azo-Based Iminopyridine Ligand. Journal of Physical Chemistry C, 2014, 118, 7545-7553.	1.5	98
5	Metal-induced efficient enhancement of nonlinear optical response in conjugated azo-based iminopyridine complexes. Organic Electronics, 2016, 36, 1-6.	1.4	98
6	Influence of hydrostatic pressure and temperature on two-photon absorption of aC60-2-thioxo-1,3-dithiole cycloadduct. Physical Review B, 1999, 59, 9229-9238.	1.1	96
7	Nonlinear optics and surface relief gratings in alkynylâ€“ruthenium complexes. Journal of Optics, 2009, 11, 024005.	1.5	96
8	Photoinduced two-photon absorption and second-harmonic generation inAs2Te3âˆ’CaCl2âˆ’PbCl2glasses. Physical Review B, 1999, 60, 942-949.	1.1	95
9	Third-order nonlinear optical response of pushâ€“pull azobenzene polymers. Chemical Physics Letters, 2012, 554, 107-112.	1.2	95
10	Second- and Third-Order Nonlinearities of Novel Pushâˆ’Pull Azobenzene Polymers. Journal of Physical Chemistry B, 2011, 115, 1944-1949.	1.2	91
11	Nonlinear optical properties of natural laccaic acid dye studied using Z-scan technique. Optical Materials, 2015, 46, 270-275.	1.7	91
12	Nonlinear absorption reversing between an electroactive ligand and its metal complexes. Optics Express, 2012, 20, 25311.	1.7	88
13	Nonlinear refraction and absorption activity of dimethylaminostyryl substituted BODIPY dyes. RSC Advances, 2016, 6, 84854-84859.	1.7	87
14	Non-linear optical and electrical properties of ZnO doped Ni Thin Films obtained using spray ultrasonic technique. Optical Materials, 2011, 33, 968-972.	1.7	86
15	Effect of metal cation complexation on the nonlinear optical response of an electroactive bisiminopyridine ligand. Dyes and Pigments, 2014, 101, 229-233.	2.0	85
16	Linear and nonlinear optical properties of ZnO/PMMA nanocomposite films. Journal of Applied Physics, 2009, 106, .	1.1	84
17	Calculation of structural, optical and electronic properties of ZnS, ZnSe, MgS, MgSe and their quaternary alloy Mg1âˆ’xZnxSySe1âˆ’y. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 163-171.	1.7	83
18	Optical properties of ZnO and ZnO:Ce layers grown by spray pyrolysis. Optics Communications, 2006, 267, 433-439.	1.0	82

#	Article	IF	Citations
19	Optimization and diagnostic of nonlinear optical features of Ï€-conjugated benzodifuran-based derivatives. RSC Advances, 2016, 6, 14439-14447.	1.7	82
20	Optical and structural characterization of thin films containing metallophthalocyanine chlorides. Dyes and Pigments, 2015, 112, 116-126.	2.0	81
21	Optical properties of ZnO/PMMA nanocomposite films. Journal of Alloys and Compounds, 2010, 502, 24-27.	2.8	80
22	Complete sets of elastic constants and photoelastic coefficients of pure and MgO-doped lithium niobate crystals at room temperature. Journal of Applied Physics, 2009, 106, .	1.1	77
23	Structural and nonlinear optical properties of as-grown and annealed metallophthalocyanine thin films. Thin Solid Films, 2013, 545, 429-437.	0.8	77
24	Functionalized azo-based iminopyridine rhenium complexes for nonlinear optical performance. Dyes and Pigments, 2017, 145, 256-262.	2.0	76
25	Linear and nonlinear optical properties of ZnO thin films deposited by pulsed laser deposition. Journal of Luminescence, 2016, 169, 483-491.	1.5	75
26	Nonlinear optical properties of Au nanoparticles on indiumâ€“tin oxide substrate. Nanotechnology, 2005, 16, 1687-1692.	1.3	74
27	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.	0.9	73
28	Influence of Ag, Cu dopants on the second and third harmonic response of ZnO films. Journal of Alloys and Compounds, 2009, 481, 819-825.	2.8	73
29	Cathodoluminescent and nonlinear optical properties of undoped and erbium doped nanostructured ZnO films deposited by spray pyrolysis. Optics Communications, 2007, 277, 196-201.	1.0	72
30	Novel pendant azobenzene/polymer systems for second harmonic generation and optical data storage. Dyes and Pigments, 2015, 114, 24-32.	2.0	72
31	Third order nonlinear optical properties of organometal halide perovskite by means of the Z-scan technique. Chemical Physics Letters, 2016, 647, 7-13.	1.2	72
32	Penta(zinc porphyrin)[60]fullerenes: Strong reverse saturable absorption for optical limiting applications. Applied Surface Science, 2020, 533, 147468.	3.1	72
33	Third harmonic generation in undoped and X doped ZnO films (X: Ce, F, Er, Al, Sn) deposited by spray pyrolysis. Journal of Applied Physics, 2007, 101, 063104.	1.1	71
34	Physical origin of the third order nonlinear optical response of orthogonal pyrrolo-tetrathiafulvalene derivatives. Applied Physics Letters, 2010, 97, .	1.5	71
35	Intrinsic hyperpolarizability of 3-dicyanomethylene-5,5-dimethyl-1-[2-(4-hydroxyphenyl)ethenyl]-cyclohexene nanocrystallites incorporated into the photopolymer matrices. Chemical Physics Letters, 2007, 443, 309-312.	1.2	70
36	Design and Synthesis of Ruthenium Oligothienylacetylide Complexes. New Materials for Acoustically Induced Nonlinear Optics. Organometallics, 2005, 24, 687-695.	1.1	69

#	Article	IF	Citations
37	Photoinduced effects in the Sb2Se3â€“BaCl2â€“PbCl2 glasses. Journal of Applied Physics, 1999, 85, 425-431.	1.1	68
38	Grating inscription in picosecond regime in thin films of functionalized DNA. Optics Express, 2007, 15, 15268.	1.7	68
39	Multifunctional Bi2ZnOB2O6 single crystals for second and third order nonlinear optical applications. Applied Physics Letters, 2013, 103, .	1.5	68
40	Transparent amorphous zinc oxide thin films for NLO applications. Optical Materials, 2014, 37, 327-337.	1.7	67
41	Third-Order Nonlinear Optical Figure of Merits for Conjugated TTFâ^'Quinone Molecules. Journal of Physical Chemistry B, 2005, 109, 10179-10183.	1.2	65
42	Third-order nonlinear optical properties and two-photon absorption in branched oligothienylenevinylenes. Optics Communications, 2002, 209, 461-466.	1.0	64
43	Degenerate four-wave mixing in absorbing isotropic media. Optics Communications, 1997, 138, 109-112.	1.0	63
44	NLO properties of functionalized DNA thin films. Thin Solid Films, 2008, 516, 8932-8936.	0.8	63
45	Electronic and nuclear contributions to the third-order nonlinear optical susceptibilities of new p-N, N^?-dimethylaniline tetrathiafulvalene derivatives. Optics Letters, 1998, 23, 1811.	1.7	62
46	Second and third order nonlinear optical properties of microrod ZnO films deposited on sapphire substrates by thermal oxidation of metallic zinc. Journal of Applied Physics, 2007, 102, 113113.	1.1	60
47	Impact of annealing process on stacking orientations and second order nonlinear optical properties of metallophthalocyanine thin films and nanostructures. Dyes and Pigments, 2014, 101, 212-220.	2.0	60
48	Optical poling of oligoether acrylate photopolymers doped by stilbene-benzoate derivative chromophores. Journal of Physics Condensed Matter, 2004, 16, 231-239.	0.7	58
49	Amplified spontaneous emission in the spiropyran-biopolymer based system. Applied Physics Letters, 2009, 94, .	1.5	58
50	Influence of size effect and sputtering conditions on the crystallinity and optical properties of ZnO thin films. Optics Communications, 2007, 269, 346-350.	1.0	57
51	Influence of the central metal atom on the nonlinear optical properties of MPcs solutions and thin films. Optics Communications, 2007, 274, 206-212.	1.0	56
52	Third-order Nonlinear Optical Properties of Ethylenic Tetrathiafulvalene Derivatives. Journal of Modern Optics, 1995, 42, 2095-2107.	0.6	55
53	Low temperature anomalies in polyvinyl alcohol photopolymers. Polymer, 1997, 38, 4803-4806.	1.8	55
54	Third-order nonlinear optical properties of new bisdithiafulvenyl-substituted tetrathiafulvalene. Journal of the Optical Society of America B: Optical Physics, 1998, 15, 923.	0.9	55

#	Article	IF	Citations
55	Third-order optical nonlinearities in new octupolar molecules and their dipolar subunits. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 610.	0.9	55
56	Ï‡(2) Grating in Ru Derivative Chromophores Incorporated within the PMMA Polymer Matrices. Journal of Physical Chemistry B, 2004, 108, 14942-14947.	1.2	55
57	Temperatureâ^'Pressure Anomalies of Electrooptic Coefficients in C60â^'TTF Derivatives. Journal of Physical Chemistry B, 2001, 105, 6295-6299.	1.2	53
58	Quasi-phase-matched gratings printed by all-optical poling in polymer films. Optics Letters, 2002, 27, 2028.	1.7	53
59	Photophysical properties of Alq3 thin films. Optical Materials, 2013, 36, 91-97.	1.7	53
60	Ferroelectric AgNa(NO2)2 crystals as novel highly efficient nonlinear optical material: Phase matched second harmonic generation driven by a spontaneous and electric field induced polarizations. Journal of Applied Physics, 2010, 107, .	1.1	51
61	Effect of the counter cation on the third order nonlinearity in anionic Au dithiolene complexes. Applied Physics Letters, 2012, 101, .	1.5	50
62	Physical origin of third order non-linear optical response of porphyrin nanorods. Materials Chemistry and Physics, 2012, 134, 646-650.	2.0	49
63	Type structure, which is composed of organic diammonium, triiodide and hexaiodobismuthate, varies according to different structures of incorporated cations. CrystEngComm, 2007, 9, 298.	1.3	45
64	Polymer thin-film distributed feedback tunable lasers. Journal of Optics, 2000, 2, 279-283.	1.5	44
65	Nonlinear optical properties of poly(methyl methacrylate) thin films doped with Bixa Orellana dye. Applied Surface Science, 2015, 340, 72-77.	3.1	44
66	Ï€ Conjugation Across the Tetrathiafulvalene Core: Synthesis of Extended Tetrathiafulvalene Derivatives and Theoretical Analysis of their Unusual Electrochemical Properties. Chemistry - A European Journal, 2000, 6, 1199-1213.	1.7	44
67	Influence of different peripheral substituents on the nonlinear optical properties of cobalt phthalocyanine core. Journal of Applied Physics, 2007, 101, 083112.	1.1	42
68	Influence of Bi doping on the electrical and optical properties of ZnO thin films. Superlattices and Microstructures, 2015, 85, 370-378.	1.4	42
69	Linear Electro-Optics Effect in ZnO-F Film-Glass Interface. Physica Status Solidi (B): Basic Research, 2002, 234, 553-562.	0.7	41
70	Pyrazoline derivatives with a tailored third order nonlinear optical response. RSC Advances, 2015, 5, 48363-48367.	1.7	40
71	Tuning the nonlinear optical properties of BODIPYs by functionalization with dimethylaminostyryl substituents. Dyes and Pigments, 2017, 137, 507-511.	2.0	40
72	Diagnostic and control of linear and nonlinear optical effects in selected self-assembled metallophthalocyanine chlorides nanostructures. Dyes and Pigments, 2018, 157, 151-162.	2.0	40

#	Article	IF	Citations
73	Design and photoinduced surface relief grating formation of photoresponsive azobenzene based molecular materials with ruthenium acetylides. Journal of Materials Chemistry, 2010, 20, 2858.	6.7	39
74	Synthesized rare-earth doped oxide glasses for nonlinear optics. Journal of Applied Physics, 2002, 92, 2260-2268.	1.1	38
75	Experimental and theoretical studies of NLO properties of organicâ€“inorganic materials base on p-nitroaniline. Chemical Physics Letters, 2008, 455, 270-274.	1.2	38
76	Novel Styrylquinolinium Dye Thin Films Deposited by Pulsed Laser Deposition for Nonlinear Optical Applications. Journal of Physical Chemistry C, 2012, 116, 7144-7152.	1.5	37
77	Dye-sensitized solar cells with PVAâ€“KIâ€“ECâ€“PC gel electrolytes. Optical and Quantum Electronics, 2014, 46, 133-141.	1.5	37
78	Synthesis, characterization and femtosecond nonlinear saturable absorption behavior of copper phthalocyanine nanocrystals doped-PMMA polymer thin films. Optical Materials, 2015, 50, 138-143.	1.7	37
79	Solâ€“gel synthesized ZnO for optoelectronics applications: a characterization review. Materials Research Express, 2017, 4, 122001.	0.8	37
80	Roughness effect on photoluminescence of cerium doped zinc oxide thin films. Optical Materials, 2009, 31, 1357-1361.	1.7	36
81	Synthesis and functionalization of coumarin-containing copolymers for second order optical nonlinearities. Optical Materials, 2013, 35, 576-581.	1.7	36
82	Optical properties of MgO thin films grown by laser ablation technique. Optical and Quantum Electronics, 2016, 48, 1.	1.5	36
83	Electroluminescence of several pyrazoloquinoline and quinoksaline derivatives. Materials Letters, 2006, 60, 3301-3306.	1.3	35
84	Investigation study on the nonlinear optical properties of natural dyes: Chlorophyll a and b. Optics Communications, 2013, 293, 75-79.	1.0	35
85	Experimental and theoretical studies of the second- and third-order NLO properties of a semi-organic compound: 6-Aminoquinolinium iodide monohydrate. Chemical Physics, 2014, 428, 67-74.	0.9	35
86	Computations of absorption spectra and nonlinear optical properties of molecules based on anthocyanidin structure. Optical and Quantum Electronics, 2015, 47, 1091-1099.	1.5	35
87	Dynamic charge-carrier-mobility-mediated holography in thin layers of photoconducting polymers. Applied Physics Letters, 2002, 81, 3705-3707.	1.5	34
88	Nonlinear optical effects in Bi12TiO20 nanocrystallites embedded within a photopolymer matrix. Optics Communications, 2004, 236, 123-129.	1.0	34
89	Second and third order nonlinear optical properties of nanostructured ZnO thin films deposited on Î±-BBO and LiNbO3. Optics Communications, 2008, 281, 6107-6111.	1.0	34
90	Nonlinear optical properties of thiazolidinone derivatives. Optical Materials, 2009, 31, 554-557.	1.7	34

#	Article	IF	Citations
91	Comparison of structural, morphological, linear and nonlinear optical properties of NiO thin films elaborated by Spin-Coating and Spray Pyrolysis. Optik, 2017, 128, 8-13.	1.4	34
92	Selected Organometallic Compounds for Third Order Nonlinear Optical Application. Nanomaterials, 2019, 9, 254.	1.9	34
93	Study of linear optical properties and two-photons absorption in Zn1â^'xMgxSe thin layers. Optical Materials, 2000, 15, 199-203.	1.7	33
94	Synthesis and study of nonlinear optical properties of oxazolone containing polymers. Synthetic Metals, 2007, 157, 708-712.	2.1	33
95	Study of the amplified spontaneous emission in a dye-doped biopolymer-based material. Journal Physics D: Applied Physics, 2009, 42, 085101.	1.3	32
96	Nonlinear optical properties of selected natural pigments extracted from spinach: Carotenoids. Dyes and Pigments, 2010, 86, 161-165.	2.0	31
97	Influence of strain/stress on the nonlinear-optical properties of sprayed deposited ZnO:Al thin films. Applied Surface Science, 2011, 257, 8003-8005.	3.1	31
98	Azo-azulene based compounds-nonlinear optical and photorefractive properties. Optical Materials, 2011, 33, 1387-1390.	1.7	31
99	Gel polymer electrolyte based on LiBOB and PAN for the application in dye-sensitized solar cells. Optical Materials, 2013, 36, 135-139.	1.7	31
100	UV irradiation induce NLO modulation in photochromic styrylquinoline-based polymers: Computational and experimental studies. Organic Electronics, 2019, 66, 175-182.	1.4	31
101	Nonlinear optical properties of Zn1â^'xMgxSe and Cd1â^'xMgxSe crystals. Optical Materials, 2009, 31, 518-522.	1.7	30
102	Opportunities of deoxyribonucleic acid complexes composites for nonlinear optical applications. Journal of Applied Physics, 2011, 110, 083117.	1.1	30
103	Spin-coated nickel doped cadmium sulfide thin films for third harmonic generation applications. Journal of Alloys and Compounds, 2017, 696, 1292-1297.	2.8	30
104	Tetrabutylammonium (TBA)-Doped Methylammonium Lead Iodide: High Quality and Stable Perovskite Thin Films. Frontiers in Energy Research, 2022, 10, .	1.2	30
105	Diagnostic study of the roughness surface effect of zirconium on the third-order nonlinear-optical properties of thin films based on zinc oxide nanomaterials. Applied Surface Science, 2009, 255, 4693-4695.	3.1	29
106	Synthesis, spectral, optical properties and theoretical calculations on schiff bases ligands containing o-tolidine. Optical Materials, 2016, 56, 116-120.	1.7	29
107	Chemical structure versus second-order nonlinear optical response of the pushâ€“pull type pyrazoline-based chromophores. RSC Advances, 2017, 7, 9941-9947.	1.7	28
108	Pushâ€“pull chromophores incorporated in 1,3-dithiol-2-ylidene moiety as new electrooptics materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 87, 148-159.	1.7	27

#	Article	IF	Citations
109	Enhancement of third-order optical susceptibility of C60-TTF compounds using nematic liquid crystal. Chemical Physics Letters, 2002, 365, 327-332.	1.2	27
110	Nonlinear optical properties of zinc oxide doped bismuth thin films using Z-scan technique. Optical Materials, 2016, 56, 40-44.	1.7	27
111	Characterization and third harmonic generation calculations of undoped and doped spin-coated multilayered CuO thin films. Journal of Physics and Chemistry of Solids, 2019, 124, 60-66.	1.9	27
112	Solvatochromic fluorophores based on thiophene derivatives for highly-precise water, alcohols and dangerous ions detection. Dyes and Pigments, 2020, 177, 108300.	2.0	27
113	Manifestation of electronâ€“phonon interactions in IR-induced second harmonic generation in a sulphide glass-ceramic with Î²-GeS2 microcrystallites. Physica B: Condensed Matter, 2007, 391, 222-227.	1.3	26
114	The indicative surfaces of the photoelastic effect in Cs2HgCl4 biaxial crystals. Optical Materials, 2007, 29, 475-480.	1.7	26
115	Optical properties of oxazalone derivatives with and without DNAâ€“CTMA. Optical Materials, 2011, 33, 1429-1433.	1.7	26
116	Efficient diagnostics of the electronic and optical properties of defective ZnO nanoparticles synthesized using the solâ€“gel method: experimental and theoretical studies. Materials Research Express, 2017, 4, 085908.	0.8	26
117	Luminescent spectra of PbI2 single crystals doped by 3d-metal impurities. Journal of Luminescence, 1998, 79, 257-267.	1.5	25
118	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.	1.7	25
119	Electronic and nuclear contributions to the third-order optical susceptibility of the C60-TTF dyads. Optics Communications, 2004, 236, 159-166.	1.0	24
120	Picosecond nonlinear optical features of ferroelectric large sized nanocrystallites. Optical Materials, 2012, 34, 1261-1266.	1.7	24
121	Spin-coated Tin-doped NiO thin films for third order nonlinear optical applications. Optik, 2017, 136, 237-243.	1.4	24
122	Investigation of crystal structure and nonlinear optical properties of 2-methoxyanilinium nitrate. Optics Communications, 2007, 278, 180-186.	1.0	23
123	Example of Disulfide Conformational Change in the Solid State: Preparation, Optical Properties, and Xâ€ray Studies of a Cystamineâ€Based Iodoplombate Hybrid. European Journal of Inorganic Chemistry, 2008, 2008, 3592-3596.	1.0	23
124	Enhancement of electrostrictive polymer efficiency for energy harvesting with cellular polypropylene electrets. Synthetic Metals, 2012, 162, 1948-1953.	2.1	23
125	Synthesis, spectral, theoretical calculations and optical properties performance of substituted-azobenzene dyes. Optical and Quantum Electronics, 2016, 48, 1.	1.5	23
126	Influence of ZnO nanoparticles on nonlinear optical properties. Applied Nanoscience (Switzerland), 2020, 10, 4977-4982.	1.6	23

#	Article	IF	Citations
127	Nitrobenzene as a material for the fast-respond degenerate four-wave mixing. Optical Materials, 2001, 16, 417-429.	1.7	22
128	Study of the third order nonlinear optical properties of Zn1â^'xMgxSe and Cd1â^'xMgxSe crystals. Opto-electronics Review, 2008, 16, .	2.4	22
129	Nonlinear photonics properties of porphyrins nanocomposites and self-assembled porphyrins. Journal of Porphyrins and Phthalocyanines, 2012, 16, 985-995.	0.4	22
130	Synthesis and nonlinear optical properties of push-pull type stilbene and pyrazoline based chromophores. Dyes and Pigments, 2017, 142, 507-515.	2.0	22
131	Mechanical characterization of an electrostrictive polymer for actuation and energy harvesting. Journal of Applied Physics, 2012, 111, .	1.1	21
132	Arylmethylene-1,3-indandione based molecular glasses: Third order optical non-linearity. Dyes and Pigments, 2012, 95, 33-40.	2.0	21
133	Conjugated iminopyridine based Azo dye derivatives with efficient charge transfer for third order nonlinearities. Chemical Physics Letters, 2014, 597, 106-109.	1.2	21
134	Theoretical Diagnostics of Second and Third-order Hyperpolarizabilities of Several Acid Derivatives. Open Chemistry, 2019, 17, 151-156.	1.0	21
135	The structure and electronic properties of silicon oxynitride gate dielectrics. Semiconductor Science and Technology, 2001, 16, 467-470.	1.0	20
136	Giant Pockels effect in ZnO-F films deposited on bare glasses. Journal of Physics Condensed Matter, 2002, 14, 5407-5417.	0.7	20
137	UV-Induced Nonlinear Absorption in Lanthanum Calcium Borate Single Crystals. Journal of Physical Chemistry B, 2006, 110, 9090-9094.	1.2	20
138	Correlation between structural studies and third order NLO properties of selected new quinolinium semi-organic compounds. Chemical Physics, 2010, 375, 1-7.	0.9	20
139	Influence of surfactant on dynamics of photoinduced motions and light emission of a dye-doped deoxyribonucleic acid. Optical Materials, 2013, 35, 2389-2393.	1.7	20
140	Investigation of superfast deposition of metal oxide and Diamond-Like Carbon thin films by nanosecond Ytterbium (Yb+) fiber laser. Optical Materials, 2013, 36, 53-59.	1.7	20
141	TTF based donor-pi-acceptor dyads synthesized for NLO applications. Dyes and Pigments, 2017, 138, 255-266.	2.0	20
142	Ï€ Conjugation Across the Tetrathiafulvalene Core: Synthesis of Extended Tetrathiafulvalene Derivatives and Theoretical Analysis of their Unusual Electrochemical Properties. Chemistry - A European Journal, 2000, 6, 1199-1213.	1.7	19
143	Second-order optical effects in organometallic nanocomposites induced by an acoustic field. Physical Review B, 2005, 71, .	1.1	19
144	Amplified spontaneous emission of Rhodamine 6G embedded in pure deoxyribonucleic acid. Applied Physics Letters, 2012, 101, .	1.5	19

#	Article	IF	Citations
145	Comparative Study on the Structural, Morphological, Linear and Nonlinear Optical Properties of CZTS Thin Films Prepared by Spin-Coating and Spray Pyrolysis. Materials Today: Proceedings, 2017, 4, 5146-5153.	0.9	19
146	Study on the effect of lithium nitrate in ionic conduction properties based alginate biopolymer electrolytes. Materials Research Express, 2020, 7, 015902.	0.8	19
147	Red luminescence and UV light generation of europium doped zinc oxide thin films for optoelectronic applications. EPJ Applied Physics, 2020, 91, 10501.	0.3	19
148	Study of Second Harmonic Generation in KDP/Al₂O₃ Crystalline Nanocomposite. Acta Physica Polonica A, 2018, 133, 856-859.	0.2	19
149	Electronic structure and optical response in GaxAl1â^'xN solid alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 242, 337-342.	0.9	18
150	A new holographic system: liquid crystal doped with photochromic molecules. Optical Materials, 2002, 20, 57-61.	1.7	18
151	Enhancement of linear and nonlinear optical properties of deoxyribonucleic acid-silica thin films doped with rhodamine. Applied Physics Letters, 2011, 99, .	1.5	18
152	IR-induced nonlinear optics in Ge-doped Bi12TiO20 large-sized nanocrystallites. Optics and Lasers in Engineering, 2005, 43, 75-83.	2.0	17
153	Study of surface relief gratings on azo organometallic films in picosecond regime. Optics Express, 2008, 16, 15633.	1.7	17
154	Characterization and investigation of NLO properties of electrodeposited polythiophenes. Journal of the European Optical Society-Rapid Publications, 0, 4, .	0.9	17
155	Linear and nonlinear optical absorption characterization of natural laccaic acid dye. Applied Physics B: Lasers and Optics, 2015, 120, 389-396.	1.1	17
156	Effect of Annealing Temperature on Morphology and Optoelectronics Properties of Spin-Coated CZTS Thin Films. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 89-99.	1.9	17
157	Electronâ€“phonon contribution to electrooptical coefficient in Ca4GdO(BO3)3 single crystals. Optical Materials, 1999, 13, 339-347.	1.7	16
158	Kinetics of third-order nonlinear optical susceptibilities in alkynyl ruthenium complexes. Optical Materials, 2006, 28, 1147-1151.	1.7	16
159	Features of the alkynyl ruthenium chromophore with modified anionic subsystem UV absorption. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 178-182.	2.0	16
160	Optical absorption and photoluminescence properties of ZnO/PMMA nanocomposite films. Journal of Physics: Conference Series, 2011, 289, 012003.	0.3	16
161	Application of LiBOB-based liquid electrolyte in co-sensitized solar cell. Optical Materials, 2013, 36, 151-158.	1.7	16
162	Theoretical and experimental investigations on the nonlinear optical properties of gold(III) dithiolene complexes. Optical Materials, 2013, 36, 106-111.	1.7	16

#	Article	IF	Citations
163	All-optical measurement of elastic constants in nematic liquid crystals. Optics Express, 2014, 22, 30257.	1.7	16
164	Long jumps contribution to the adatom diffusion process near the step edge: The case of Ag/Cu(110). Physica Status Solidi (B): Basic Research, 2014, 251, 838-844.	0.7	16
165	Reversible phase transition in semi-organic compound p-Nitroanilinium sulfate detected using second harmonic generation as a tool. Optical Materials, 2015, 48, 215-221.	1.7	16
166	Allâ€Optical Switching and Twoâ€States Lightâ€Controlled Coherentâ€Incoherent Random Lasing in a Thiopheneâ€Based Donorâ€Acceptor System. ChemPhysChem, 2018, 19, 1605-1616.	1.0	16
167	Theoretical and experimental investigation of multifunctional highly conjugated organic push-pull ligands for NLO applications. Optical Materials, 2018, 86, 304-310.	1.7	16
168	Influence of free carrier concentration on absorption and thirdâ€order susceptibilities ofnâ€type ZnSe crystals. Journal of Applied Physics, 1996, 80, 4854-4858.	1.1	15
169	Electronic and Optical Parameters of the TGM-3 Photopolymer. High Performance Polymers, 1997, 9, 51-60.	0.8	15
170	Third harmonic generation in LiKB4O7 single crystal. Materials Chemistry and Physics, 2010, 120, 114-117.	2.0	15
171	Optical properties of ZnO nanocrystals embedded in PMMA. Optical and Quantum Electronics, 2014, 46, 39-46.	1.5	15
172	Electronic and nuclear contributions to the third-order nonlinear optical properties of new polyfluroalkysulfanyl-substituted tetrathiafulvalene derivatives. Synthetic Metals, 2000, 115, 261-264.	2.1	14
173	Novel nonlinear optical organic materials: Dithienylethylenes. Journal of Chemical Physics, 2001, 115, 6179-6184.	1.2	14
174	Experimental study of third-order nonlinear optical properties in C60-TTF dyads with saturated (î—¸Cî—¸Cî—¸) chemical bonds. Optics Communications, 2002, 211, 303-308.	1.0	14
175	NLO properties of a triphenlyguanidine salt: The importance of pseudo-symmetry. Optical Materials, 2018, 84, 606-613.	1.7	14
176	Optical and electronic properties of the natural Alizarin dye: Theoretical and experimental investigations for DSSCs application. Optical Materials, 2022, 127, 112113.	1.7	14
177	Theoretical analysis of disorder effects on electronic and optical properties of the quaternary alloy In1â€“xGaxAsySb1â€“y epilayer on GaSb and InAs. Physica Status Solidi (B): Basic Research, 2003, 238, 156-172.	0.7	13
178	Photoinduced nonlinear optics in Ca4GdO(BO3)3 nanocrystallites embedded within a polymer matrix. Journal of Applied Physics, 2003, 93, 2912-2916.	1.1	13
179	Two-photon absorption in YAB:Cr3+ nanocrystallites. Optical Materials, 2005, 27, 675-678.	1.7	13
180	Solution processable double layer organic light emitting diodes (OLEDs) based on 6-N,N-arylsubstituted-1H-pyrazolo[3,4-b]quinolines. International Journal of Higher Education Management, 2015, 1, 17-22.	1.0	13

#	Article	IF	Citations
181	Computational studies on linear, second and third-order nonlinear optical properties of novel styrylquinolinium dyes. Chemical Physics Letters, 2016, 648, 47-52.	1.2	13
182	Effect of the complexation on the NLO electronic contribution in film based conjugated quinoline ligand. Physica B: Condensed Matter, 2017, 516, 1-6.	1.3	13
183	Nonlinear optical properties of new hyper-tetrathiafulvalene derivatives: saturable absorption and degenerate four-wave mixing. Optics Communications, 1997, 135, 109-115.	1.0	12
184	Title is missing!. Journal of Optics, 1999, 1, 32-36.	1.5	12
185	Two-photon absorption in nitrobenzol. Journal of Optics, 1999, 1, 192-196.	1.5	12
186	Synthesis and luminescent properties of br-substituted poiy(n-vinylcarbazoles).. Synthetic Metals, 1999, 101, 82-83.	2.1	12
187	Phonon-Assisted Second Harmonic Generation in As1-xBixTe3â^'CaBr2â^'PbBr2Glasses. Journal of Physical Chemistry B, 2005, 109, 3163-3168.	1.2	12
188	Influence of Roughness Surfaces on Third-Order Nonlinear-Optical Properties of Erbium-Doped Zinc Oxide Thin Films. Spectroscopy Letters, 2008, 41, 292-298.	0.5	12
189	Electrical and optical properties of thin films of DNA:PEDOT. Optical Materials, 2010, 32, 1629-1632.	1.7	12
190	Spontaneous and electric field induced quadratic optical nonlinearity in ferroelectric crystals AgNa(NO2)2. Applied Physics Letters, 2010, 96, .	1.5	12
191	Keto-enol tautomerism and nonlinear optical properties in Î²-diketones containing [2.2]paracyclophane. Optical Materials, 2013, 36, 47-52.	1.7	12
192	Microcrystalline Bi2ZnB2O7-polymer composites with silver nanoparticles as materials for laser operated devices. Journal of Materials Science: Materials in Electronics, 2014, 25, 2426-2434.	1.1	12
193	Effect of UV-Irradiation and ZnO Nanoparticles on Nonlinear Optical Response of Specific Photochromic Polymers. Nanomaterials, 2021, 11, 492.	1.9	12
194	Effect of metal complexation on the nonlinear optical response of a conjugated ligand. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1555.	0.9	11
195	Effect of Ar Gas Pressure on LSPR Property of Au Nanoparticles: Comparison of Experimental and Theoretical Studies. Nanomaterials, 2020, 10, 1071.	1.9	11
196	‹title›Nonlinear optical properties in ZnSe crystals‹/title›. , 2001, , .		10
197	Third-order nonlinear optical susceptibility of polymers based on carbazole derivatives. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 89.	0.9	10
198	New Methacrylic Oxazolone and Thiazolidinone Containing Polymers for Nonlinear OpticalApplications. Molecular Crystals and Liquid Crystals, 2008, 485, 1011-1018.	0.4	10

#	Article	IF	Citations
199	Study of Nonlinear Optical and Structural Properties of Organometallic Complexes. Molecular Crystals and Liquid Crystals, 2008, 485, 990-1001.	0.4	10
200	Preamble: new development on advanced materials for photonics, sensing and energy applications. Optical and Quantum Electronics, 2014, 46, 1-5.	1.5	10
201	Synthesis, photophysical and electroluminescent properties of 1,3-diphenyl-1H-benzo[g]pyrazolo[3,4â€“b]quinoxaline. Materials Letters, 2015, 138, 9-12.	1.3	10
202	Selected molecules based on (-1-cyanovinyl)benzonitrile as new materials for NLO applications â€” Experimental and computational studies. Journal of Molecular Liquids, 2020, 314, 113622.	2.3	10
203	Multifunctional Oxazolone Derivative as an Optical Amplifier, Generator, and Modulator. Journal of Physical Chemistry B, 2022, 126, 1742-1757.	1.2	10
204	Photoluminescence and nonlinear optical properties of Nickel bis-(8-hydroxyquinoline) thin film. Materials Chemistry and Physics, 2022, 284, 126031.	2.0	10
205	Photoinduced anisotropy of pushâ€“pull chromophores incorporating 5-(1,3-benzodithiol-2-ylidene)-1-(4-nitrophenyl) penta-1,3-diene embedded into photopolymer oligoetheracrylate matrices. Optics Communications, 2000, 176, 503-511.	1.0	9
206	The piezo-induced second-order nonlinear optical effect in polyvinyl alcohol/YAB:Cr nanocomposites. Nanotechnology, 2004, 15, 1118-1121.	1.3	9
207	Synthesis and characterization of azo-containing organometallic thin films for all optical switching applications. Chemical Physics Letters, 2012, 535, 106-110.	1.2	9
208	Î²-BaTeMo2O9 microcrystals as promising optically operated materials. Journal of Materials Science, 2013, 48, 5938-5945.	1.7	9
209	Quadratic nonlinear optical parameters of 7% MgO-doped LiNbO3 crystal. Optical Materials, 2016, 56, 36-39.	1.7	9
210	Bichromatic Laser Dye As a Photonic Random Number Generator. ACS Photonics, 2021, 8, 1630-1638.	3.2	9
211	Specific complex-oxide crystals with strong nonlinear absorption and nonlinear refraction as promising optical materials. Optical Materials, 2021, 121, 111493.	1.7	9
212	Influence of doping and annealing temperature in n-type semiconductors ZnSe and ZnSe:Ag on two-photon absorption and third-order susceptibility. Journal of Luminescence, 1997, 72-74, 829-831.	1.5	8
213	Experimental study of the third-order optical nonlinearities in Zn1-xAgxSe crystals. Journal of Optics, 2000, 2, 515-518.	1.5	8
214	Manifestation of hexagonal-like structure in the second-order nonlinear effects in the GaN nanocrystallites. Optics and Lasers in Engineering, 2004, 41, 51-56.	2.0	8
215	Tailoring the acceptor moiety of novel thiophene-based chromophores: Conjoined experimental and theoretical study on the nonlinear optical properties. Dyes and Pigments, 2021, 196, 109789.	2.0	8
216	Azo-based phenylthiophene Schiff bases: Syntheses, crystal structures and optical properties. Journal of Molecular Structure, 2020, 1222, 128933.	1.8	8

#	Article	IF	Citations
217	A Modified Oxazolone Dye Dedicated to Spectroscopy and Optoelectronics. Journal of Organic Chemistry, 2022, 87, 7319-7332.	1.7	8
218	Optical limiting processes in C60-2-thioxo-1,3-dithiole cycloadduct. Optical Materials, 1999, 13, 349-353.	1.7	7
219	Mid-infrared light-induced second-harmonic generation in specific glasses. Journal of Optics, 2003, 5, 174-179.	1.5	7
220	Non-linear optical monitoring of melting processes in (TEA)â€“CoCl2Br2 ferroelectric nanocrystallites incorporated into polymer matrices. Chemical Physics Letters, 2006, 433, 136-139.	1.2	7
221	Nonlinear optical properties of polymer dispersed liquid crystals doped with La2CaB10019. Optical Materials, 2012, 34, 1704-1707.	1.7	7
222	Quadratic susceptibility and first hyperpolarizability of the complex of Cr(CO)3 with [2.2]paracyclophane. Optical Materials, 2013, 36, 146-150.	1.7	7
223	Electrical and structural analysis of xPbO-(1-x)B₂O₃(0.3â‰¤xâ‰¤0.9) glasses. Molecular Crystals and Liquid Crystals, 2016, 627, 106-117.	0.4	7
224	Promoting Spontaneous Second Harmonic Generation through Organogelation. Journal of the American Chemical Society, 2016, 138, 9025-9028.	6.6	7
225	Anisotropic confinement of chromophores induces second-order nonlinear optics in a nanoporous photonic metamaterial. Optics Letters, 2021, 46, 845.	1.7	7
226	Two-photon absorption and Raman spectra of C60â€“2-thioxo-1,3-dithiole cycloadduct. Materials Letters, 1999, 41, 164-172.	1.3	6
227	Photoinduced Electrooptics in Pyrene Molecular Crystallites Incorporated within Polymer Matrices. Crystal Research and Technology, 2002, 37, 477.	0.6	6
228	Large photoelastic effect in modified fullerenes. Journal of Modern Optics, 2003, 50, 1277-1283.	0.6	6
229	Thermal stability of blends containing azo-carbazole derivatives and epoxy resin, designed for nonlinear optical applications. Optical Materials, 2009, 31, 501-504.	1.7	6
230	Study of structure and antireflective properties of LaF3/HfO2/SiO2 and LaF3/HfO2/MgF2 trilayers for UV applications. Optical Materials, 2015, 39, 1-7.	1.7	6
231	Nonlinear optical behavior of DNA-functionalized gold nanoparticles. Applied Nanoscience (Switzerland), 2019, 9, 703-708.	1.6	6
232	Study of ZnO Nanospheres Fabricated via Thermal Evaporation for Solar Cell Application. Makara Journal of Technology, 2019, 23, 11.	0.4	6
233	Infrared-induced nonlinear optical effects in chalcogenide glasses. Journal of Chemical Physics, 2001, 114, 8105-8112.	1.2	5
234	Laser-induced properties modification of CdTe:Cl and (Cd,Hg)Te: Computer simulation and experimental investigation. Optics Communications, 2005, 256, 342-346.	1.0	5

#	Article	IF	Citations
235	Polymorphism of lead(ii) benzenethiolate: a noncentrosymmetric new allotropic form of Pb(SPh)2. CrystEngComm, 2008, 10, 968.	1.3	5
236	Optimization of liquid crystal structures for real time holography applications. Optics Express, 2011, 19, 24454.	1.7	5
237	Optical characteristics of a-Si:H layers deposited by PACVD at various temperatures. Optical Materials, 2015, 39, 26-33.	1.7	5
238	Second-order Nonlinearities of Anionic Proceedings, 2016, 3, S12-S20.	0.9	5
239	One-photon Absorption Characterizations, Dipole Polarizabilities and Second Hyperpolarizabilities of Chlorophyll a and Crocin. Open Chemistry, 2018, 16, 1242-1247.	1.0	5
240	Tunable photophysical properties of thiophene based chromophores: a conjoined experimental and theoretical investigation. New Journal of Chemistry, 2019, 43, 6728-6736.	1.4	5
241	New architecture of organo electronic chalcones derivatives: Synthesis, crystal structures and optical properties. Optical Materials, 2020, 108, 110188.	1.7	5
242	Quantum chemical modelling of electronic charge density distribution in several tetrathiafulvalene derivatives. Materials Chemistry and Physics, 1997, 51, 135-141.	2.0	4
243	Third-order nonlinear optical properties of new dithienylethylenes. Synthetic Metals, 2000, 109, 315-319.	2.1	4
244	Photoinduced optical second-harmonic generation in Fe-Co-Si-B metallic spin glasses. Journal of Optics, 2001, 3, 39-44.	1.5	4
245	Pulsed laser induced switching of birefringence in nematic phase of photochromic molecules. Applied Physics Letters, 2011, 98, 081105.	1.5	4
246	Alkynyl-ruthenium based azo-organometallics: Thermal evolution of thin films microstructure. Optical Materials, 2012, 34, 1670-1676.	1.7	4
247	Properties and applications of hybrid organic-inorganic halide perovskites thin films. , 2020, , .		4
248	Computational and Experimental Study of Nonlinear Optical Susceptibilities of Composite Materials Based on PVK Polymer Matrix and Benzonitrile Derivatives. Materials, 2022, 15, 2073.	1.3	4
249	Influence of concentration and sample thickness of ethylenic tetrathiafulvalene derivatives on degenerate fourâ€wave mixing efficiency. Advanced Materials for Optics and Electronics, 1996, 6, 343-347.	0.6	3
250	Phase transition in C₆₀-2-thioxo-l, 3dithiole cycloadduct. Phase Transitions, 2001, 74, 347-352.	0.6	3
251	Model kinetics of surface relief gratings formation in organic thin films: experimental and Monte Carlo studies. Proceedings of SPIE, 2007, 6740, 16.	0.8	3
252	Preparation and study of nonlinear optical properties of functionalized DNA thin films. , 2007, , .		3

#	Article	IF	Citations
253	Laser-induced formation of periodical structures on the AIIBVI semiconductors surfaces. Optical Materials, 2007, 30, 380-383.	1.7	3
254	Dependence of the Third Order Nonlinear Optical Susceptibility on Concentration and Peripheral Substituent of Metallophthalocyanines. Molecular Crystals and Liquid Crystals, 2008, 485, 965-973.	0.4	3
255	Dependence of nonlinear refractive index of ZnSe on Be and Mg content. Opto-electronics Review, 2010, 18, .	2.4	3
256	Mechanical effect on the performance of electrostrictive polymers for energy harvesting. , 2012, , .		3
257	Second-order hyperpolarizability and susceptibility calculations of a series of ruthenium complexes. , 2013, , .		3
258	Synthesis growth and optical properties of semi organic non linear optical single crystal. Optical and Quantum Electronics, 2014, 46, 111-116.	1.5	3
259	Second and third-order nonlinear optical behavior of natural pigment: chlorophyll and crocin. Ionics, 2017, 23, 343-346.	1.2	3
260	Transition Metal Dichalcogenide for High-Performance Electrode of Supercapacitor. Makara Journal of Technology, 2019, 22, 123.	0.4	3
261	A Study of the Electron Regeneration Efficiency of Solar Cells Fabricated Using CMC/PVA-, Alginate-, and Xanthan-based Electrolytes. Makara Journal of Technology, 2019, 23, 53.	0.4	3
262	Electronic charge density distributions in tetrathiafulvalene derivatives. European Polymer Journal, 1998, 34, 455-462.	2.6	2
263	Spectral characteristics of DFB polymer lasers. , 2000, , .		2
264	Degenerate-wave mixing in new dithienylethylenes. Synthetic Metals, 2000, 110, 229-232.	2.1	2
265	<title>Novel real-time monitoring technique of the all-optical poling process</title>. , 2002, , .		2
266	Grown of ZnO: Ce layers by spray pyrolysis method for nonlinear optical studies. , 0, , .		2
267	Third-order nonlinear optical properties of CuPc: influence of thickness and concentration. , 2006, , .		2
268	Linear and nonlinear optical properties of a rotaxane molecule. , 2006, , .		2
269	Nonlinear Optical Effects In Polymeric Azoesters. Molecular Crystals and Liquid Crystals, 2008, 496, 302-309.	0.4	2
270	Second-order optical effects in seed-mediated grown palladium nanoparticles. Journal of Modern Optics, 2008, 55, 187-196.	0.6	2

#	Article	IF	Citations
271	Study of Nonlinear-Optical Properties and Roughness Surface of ZnO:Zr Thin Films. , 2008, , .		2
272	Laser ablation and thin film deposition. , 2011, , .		2
273	Influence of temperature on dynamics of birefringence switching in photochromic nematic phase. Journal of Applied Physics, 2011, 110, 113104.	1.1	2
274	Diffusion of Ag dimer on Cu (110) by dissociation-reassociation and concerted jump processes. , 2012, , .		2
275	Optical properties of metallophthalocyanine compounds thin films. , 2012, , .		2
276	Theoretical calculations of second and third-order nonlinear susceptibilities and their corresponding hyperpolarizabilities of a styrylquinolinium dye. , 2014, , .		2
277	Optical properties of Al<inf>2</inf>O<inf>3</inf> thin film deposited by sol-gel technique. , 2015, , .		2
278	Modelling and diagnostic of an ultrasonic piezoelectric actuator. Molecular Crystals and Liquid Crystals, 2016, 628, 23-40.	0.4	2
279	Electronic and optical properties of new synthesized TTF-based azine derivatives â€“ Experimental and theoretical study. Optical Materials, 2016, 56, 27-35.	1.7	2
280	Structural and optical characterization of carbon nitride layers deposited by plasma assisted chemical vapor deposition at various conditions. Thin Solid Films, 2018, 646, 28-35.	0.8	2
281	Functionalized Methacrylic Thiazolidinone Polymer for Optical Applications. , 2018, , .		2
282	Physical Properties of Metalorganic Thin Films. , 2018, , .		2
283	Pyrene-Based Iminopyridine Ligand and its Metal Complexes for Nonlinear Optical Performance. , 2019, , .		2
284	Nanostructured CuO Thin Film for Nonlinear Optical Applications. , 2019, , .		2
285	Physical Properties of Yellow Natural Moroccan Dye. , 2019, , .		2
286	The Third-Order Nonlinear Optical Susceptibility in Octupolar Molecule and its Dipolar Subunit. Acta Physica Polonica A, 2001, 99, 155-160.	0.2	2
287	Ionic Conductivity and Electrochemical Properties of Alginateâ€“NN4NO3-Based Biopolymer Electrolytes for EDLC Application. Makara Journal of Technology, 2020, 24, 7.	0.4	2
288	<title>Photoinduced phenomena in Sb2Se3-BaCl2-PbCl2 glasses</title>. , 1999, 3731, 72.		1

#	Article	IF	Citations
289	‹title›Electronic structure and electro-optical coefficients in push-pull chromophores incorporating the 1,3-dithiole-2-ylidene moiety as electron-donating part‹/title›. , 2000, 4089, 876.		1
290	Theoretical and Experimental Studies of Third-Order Nonlinear Optical Susceptibilities of New p-N,N'-Diamethylaniline Tetrathiafulvalene Derivatives. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	1
291	Theoretical and Experimental Studies of Third-Order Nonlinear Optical Susceptibilities of New p-N,N'-Diamethylaniline Tetrathiafulvalene Derivatives. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	1
292	‹title›Real-time monitoring of the all-optical poling in polymers‹/title›. , 2002, , .		1
293	Dynamics of ps-pulse induced gratings in LC panels. , 2002, , .		1
294	Kinetics of photoizomerization of DR1 molecules embedded in solid matrix by a dynamic holography method. , 2004, 5351, 319.		1
295	Physical origin of the third-order nonlinear optical properties of polyenes. Journal of Modern Optics, 2005, 52, 1933-1945.	0.6	1
296	Design and synthesis of multi-functionalized organometallic nano-composites compounds for nonlinear optical applications. , 0, , .		1
297	Monte Carlo Based Design of Photonic Processes in Azopolymers. Molecular Crystals and Liquid Crystals, 2006, 446, 47-54.	0.4	1
298	Functionalized Azo-Carbazole Compounds for Nonlinear Optical Application. , 2006, , .		1
299	Effect of substrate temperature on cathodoluminescence of ITO thin films prepared by spray pyrolysis. , 2007, , .		1
300	The class of molecules with mobile parts: Catenanes and rotaxanes for nonlinear optical applications. , 2007, , .		1
301	Third Order nonlinear optical susceptibility of ternary and quaternary ZnSe-based mixed crystals. , 2007, , .		1
302	Photoinduced Gratings in Functionalized Azo-Carbazole Compounds in Picosecond Regime. Molecular Crystals and Liquid Crystals, 2008, 485, 1030-1042.	0.4	1
303	Theoretical and Experimental Studies of NLO Properties of New Carbazole Derivatives. Molecular Crystals and Liquid Crystals, 2008, 485, 887-893.	0.4	1
304	Electrochemical Growth and Physico-Chemical Characterization in Organic Medium of Nb2O5 Thin Films. , 2008, , .		1
305	Optical properties of the ZnSe nanocrystals embedded in PMMA matrix. , 2008, , .		1
306	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.	1.7	1

#	Article	IF	Citations
307	Nonlinear optical properties of functionalized DNA. Journal of Computational Methods in Sciences and Engineering, 2010, 10, 545-557.	0.1	1
308	Side-Chain Azobenzene Polymers: Synthesis and Photochemical Properties. Molecular Crystals and Liquid Crystals, 2011, 536, 115/[347]-121/[353].	0.4	1
309	ZnO thin films doped with erbium: Elaboration, characterization and nonlinear optical properties measurements. , 2011, , .		1
310	Temperature Dependence of the Bistable Photoconductivity of Thin DNA: PEDOT Films. Molecular Crystals and Liquid Crystals, 2012, 554, 83-94.	0.4	1
311	Influence of surfactant on dynamics of photoinduced motions in a dye-doped deoxyribonucleic acid. Proceedings of SPIE, 2012, , .	0.8	1
312	Z-scan determination and ab-initio computations on third-order optical nonlinearities of a styrylquinolinium dye. , 2014, , .		1
313	Photophysical properties of thin films containing metal and 8-hydroxyquinoline complexes. , 2015, , .		1
314	Single-Walled Carbon Nanotubes: Structural and optical properties. , 2016, , .		1
315	Synthesis, characterization, X-ray structure, optical properties and theoretical calculations of condensed phthalazines. Journal of Chemical Sciences, 2017, 129, 721-731.	0.7	1
316	Nonlinear optical properties of some selected highly conjugated molecules based on TTF for optoelectronics applications. , 2017, , .		1
317	Third Harmonic Generation in Spin-Coated Styrylquinoline Based Polymer Thin Films. , 2019, , .		1
318	Physical Properties of Bis-(8-hydroxyquinoline) Magnesium Thin Films. , 2019, , .		1
319	The role of d-electron metal ions complexation on the nonlinear-optical parameters of new trans-dichloropalladium(II) complex. Molecular Crystals and Liquid Crystals, 2019, 695, 99-105.	0.4	1
320	Photoactivated Refractive Index Anisotropy in Fluorescent Thiophene Derivatives. Journal of Physical Chemistry C, 2020, 124, 25465-25472.	1.5	1
321	The optimal vector phase matching conditions in crystalline materials determined by extreme surfaces method: Example of uniaxial nonlinear crystals. Optical Materials, 2021, 120, 111420.	1.7	1
322	Photoinduced SHG in Push-Pull Chromophores 1,3-dithiol-2-yliedene Moieties Embedded in Photopolymer Matrices. Acta Physica Polonica A, 2003, 103, 293-300.	0.2	1
323	Single crystal and the third order non-linear of the adeninium dinitrate. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c282-c282.	0.3	1
324	Optical Properties of Zn1-xMgxSe Epilayers Studied by Spectroscopy Methods. Acta Physica Polonica A, 1998, 94, 321-325.	0.2	1

#	Article	IF	Citations
325	A Local Binary Pattern-Based Method for Color and Multicomponent Texture Analysis. Journal of Signal and Information Processing, 2020, 11, 58-73.	0.8	1
326	Influence of Lithium Bromide on Electrical Properties in Bio-based Polymer Electrolytes. Makara Journal of Technology, 2020, 24, 106.	0.4	1
327	Photoluminescence properties of Reactive Red 141 for organic light-emitting diode (OLED). , 2022, , .		1
328	Nonlinear optical characterization of Disperse Orange dyes (3 and 25) and Pigment Orange 43. , 2022, , .		1
329	Acousto-optical investigations of crystalline solid solutions. Journal of Optics, 1998, 7, 1373-1377.	0.5	0
330	<title>Acousto-optical features of polysilane oligomer polymers</title>. , 1998, , .		0
331	<title>Two-photon absorption in Zn<formula><inf><roman>1-x</roman></inf></formula>MgxSe films grown by molecular beam epitaxy technique</title>. , 1999, , .		0
332	<title>Laser action in periodically structured polymer films</title>. , 1999, , .		0
333	<title>Theoretical and experimental studies of third-order nonlinear optical susceptibilities of new p-N,N'-dimethylaniline tetrathiafulvalene derivatives</title>. , 2000, 4089, 884.		0
334	Structure and electronic properties of silicon oxynitride as gate dielectric. , 2000, 4182, 362.		0
335	Second Order Hyperpolarisabilities of Various Series of Organic Compounds: Tetrathiafulvalene Derivatives. Molecular Crystals and Liquid Crystals, 2000, 354, 485-492.	0.3	0
336	Experimental study of the third order optical nonlinearities in ZnSe:Ag crystals. , 0, , .		0
337	NLO effect as a sensitive tool for determination of phase transition in C/sub 60/-2-thioxo-1, 3-dithiole and in C/sub 60/-TTF derivatives. , 0, , .		0
338	New organic nonlinear optical materials: dithienylethylenes. Materials Research Society Symposia Proceedings, 2001, 708, 10311.	0.1	0
339	Nonlinear optical diagnostics of phase transitions in C 60 -TTF derivatives. , 2001, , .		0
340	Influence of Ag content on third order nonlinear optical susceptibility of ZnSe single crystals. , 0, , .		0
341	Fast real-time all-optical poling diagnostic of polymer thin films. , 2002, 4812, 91.		0
342	Nonlinear optical refractive index and absorption of coordination compounds. , 2003, , .		0

#	Article	IF	Citations
343	Second harmonic generation in In2O3â€“SiON films doped by Al and Sn. Optics and Laser Technology, 2004, 36, 529-533.	2.2	0
344	Diagnostic and photoinduced nonlinear effects in highly conjugated organic compounds. , 0, , .		0
345	Photochromism in thin films containing azodyes. , 0, , .		0
346	Nonlinear optical effects of thin layers based on ZnO:Ce nanostructures. , 0, , .		0
347	Third order nonlinear optical properties of hybrid mono crystals with π-conjugated systems. , 0, , .		0
348	Functionalized Carbazole Azo Dyes for Nonlinear Optical Application. , 2006, , .		0
349	Design of push-pull chromophores based on the incorporation of transition metal acetylides in the main π conjugated system. , 2007, , .		0
350	Studies of organic-inorganic hydride materials for nonlinear optical applications. , 2007, , .		0
351	Physico-chemical characterization and study of nonlinear optical properties of tin and fluoride doped indium oxide thin films deposed by spray pyrolysis. , 2007, , .		0
352	Effect of roughness on third-order nonlinear-optical susceptibility of rare earth doped zinc oxide thin films. , 2007, , .		0
353	Polymers with benzylidene fragment for nonlinear optical application. , 2007, , .		0
354	Structural Phase Transition and Nonlinear Optical Properties in P-Nitroaniline. , 2008, , .		0
355	Alkynyl-ruthenium complexes for nonlinear optical applications. , 2008, , .		0
356	New Optical Materials Based on Natural Extracts Immobilized in Different Silica Polymeric Matrices. , 2008, , .		0
357	Theoretical simulation of the third order nonlinear optical properties of some selected organometallics complexes. , 2008, , .		0
358	Third Order Nonlinear Optical Properties of Phenylazo-Azulene Derivatives Investigated by DFWM Technique. , 2008, , .		0
359	Azo-azulene derivatives for nonlinear optical applications. , 2008, , .		0
360	Calibration and rotational contribution in third-order NLO properties characterization. , 2008, , .		0

#	Article	IF	Citations
361	Study of dynamic molecular reorientation in azo-containing organometallic thin films. , 2009, , .		0
362	Investigation of functionalised thin films of DNA:PEDT-PSS - electrical and optical properties. , 2009, , .		0
363	Third order non linear optical properties of ZnO:Al thin films prepared by spray pyrolysis. , 2009, , .		0
364	Some selected and functionalised organometallic molecules for NLO applications. , 2009, , .		0
365	Applications of the DNA-based material for lasing and dynamic holography. , 2009, , .		0
366	Thin Films of DNA:PEDOT-PSS â€“ Electrical and Optical Properties. Molecular Crystals and Liquid Crystals, 2010, 522, 203/[503]-210/[510].	0.4	0
367	Nonlinear optical properties of azo-azulenes derivatives. , 2010, , .		0
368	Investigation of selected polymers with different azobenzene moieties for NLO application. , 2010, , .		0
369	Nonlinear optical response of self-assembled molecular corners. , 2011, , .		0
370	Investigation of the nonlinear optical response in polymeric azoester systems. , 2011, , .		0
371	All optical switching in a photochromic dye-doped biopolymeric matrix. Proceedings of SPIE, 2011, , .	0.8	0
372	Third order nonlinear optical properties of novel tetrathiafulvalene-phenanthroline based dyads. , 2011, , .		0
373	Structural and nonlinear-optical properties of sprayed deposited Zr-Li codoped ZnO thin films. , 2011, , .		0
374	Comparison between quantum mechanical computations of NLO properties and experimental data in selected functionalized azo-dyes. , 2012, , .		0
375	Photonic applications of photochromic molecules. , 2012, , .		0
376	Zig-zag diffusion of pentamer on (110) surface. , 2013, , .		0
377	Structural and optical properties of as-grown and annealed Alq<inf>3</inf> thin films. , 2013, , .		0
378	The investigation of third-order hyperpolarizabilities and susceptibilities of push-pull azobenzene polymers. , 2013, , .		0

#	Article	IF	Citations
379	Determination of dipole polarizabilities and second hyperpolarizabilities in alkynyl-ruthenium complexes using quantum-chemical calculations. , 2013, , .		0
380	NLO investigations of electroactive ligands and of their electroactive metal complexes. , 2013, , .		0
381	NLO investigations of self-assembled organometallic thin films. , 2014, , .		0
382	Effect of metal complexation on the nonlinear optical response in conjugated ligands. , 2014, , .		0
383	Preparation -non linear optical properties of CdSe -KCL nanocomposite material. , 2014, , .		0
384	Third order nonlinear optical response of conjugated photoactive ligands. , 2015, , .		0
385	Special proceedings of the International Symposium on Materials and Assets Integrity (ISMAI 2016) â€œAdvancements and Innovations in Materials and Asset Integrity Analysis and Managementâ€•during 10th International Materials Technology Conference & Exhibition (IMTCEÂ2016), Kuala Lumpur, Malaysia, 16â€“18 May 2016. Ionics. 2017, 23, 253-255.	1.2	0
386	Effect of UV irradiation on nonlinear optical response of azo-based iminopyridine rhenium complexes. , 2017, , .		0
387	Physical Vapor Deposition technique and its application to thin organometallic films. , 2017, , .		0
388	Diagnostic on nonlinear optical response of neodymium (III) oxide thin films. , 2017, , .		0
389	Nonlinear optical response of KDP/Al<inf>2</inf>O<inf>3</inf> crystalline nanocomposite. , 2017, , .		0
390	Third Harmonic Generation of Azo-Based Thin Films. , 2018, , .		0
391	Nonlinear Optical Properties of Oxide Thin Films. , 2018, , .		0
392	Coherent laser induced synthesis of rare earth doped nanocrystallites of 50 PbO-25Bi<inf>2</inf>O<inf>3</inf>-20Ga<inf>2</inf>O<inf>3</inf>-5BaO. , 2018, , .		0
393	Luminescence Properties of Praseodymium-Doped Crystals. , 2019, , .		0
394	Influence of Polymer Matrix on Nonlinear Optical Response in Octaethylporphine Palladium Derivative Thin Films. , 2019, , .		0
395	Structural and Dynamic Studies of the Polar Orientation Induced by Corona Poling and All-Optical Poling in Crosslinkable Polymer Thin Films. , 2003, , 355-366.		0
396	Photoinduced Nonlinear Effects in C₆₀-2-thioxo-1,3-di thiole and C₆₀-TTF Derivatives. Acta Physica Polonica A, 2003, 103, 283-292.	0.2	0

#	Article	IF	Citations
397	Optical poling of oligoether acrylate photopolymers doped by stilbene-benzoate derivative chromophores. Journal of Physics Condensed Matter, 2005, 17, 1767-1767.	0.7	0
398	Third order NLO properties of modified azo-azulenes. Photonics Letters of Poland, 2010, 2, .	0.2	0
399	Photoelectrical Behaviour of DNA:PEDT-PSS Functionalised Films. Acta Physica Polonica A, 2011, 119, 151-153.	0.2	0
400	Crystal structures and NLO properties of quinoline derivatives. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C643-C643.	0.3	0
401	Ab-initio calculations on static and dynamic third-order optical nonlinearity of azo-azulenes. Photonics Letters of Poland, 2012, 4, .	0.2	0
402	Experimental and theoretical studies of the NLO properties of a chiral crystal. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s219-s219.	0.3	0
403	Influence of Free Carrier Concentration on Nonlinear Absorption of n-Type ZnSe Crystals. Acta Physica Polonica A, 1996, 90, 1070-1074.	0.2	0
404	Separation of Electronic and Nuclear Contributions to the Third-Order Nonlinear Optical Susceptibilities of New Tetrathiafulvalene Derivatives Using Degenerate Four Wave Mixing. Acta Physica Polonica A, 1999, 95, 837-842.	0.2	0
405	Functionalization of Specific Electrostrictive Polymers for High Power Harvesting. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 412-451.	0.3	0
406	Optical limiting efficiency of an electroactive bis-iminopyridine ligand and its zinc complex. Photonics Letters of Poland, 2016, 8, .	0.2	0
407	Analyses of electronic and optical properties of TTF-based azine derivatives. , 2017, , .		0
408	Structural morphological and Cathodoluminescent properties of undoped and Erbium doped nanostructured ZnO deposited by Spray Pyrolysis. , 2019, , 7-12.		0