

Ayhan Elmali

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Defect assisted nonlinear absorption and optical limiting in amorphous TlGaS ₂ (1-x)Se ₂ (x) (0 ≤ x ≤ 1) thin films. <i>Journal of Luminescence</i> , 2022, 241, 118540.	3.1	13
2	Amino-functionalized nitrogen-doped graphene quantum dots and silver-graphene based nanocomposites: Ultrafast charge transfer and a proof-of-concept study for bioimaging applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113741.	3.9	10
3	Colorimetric probe and optical behaviours of new azomethine derivatives of sulfonamide. <i>Journal of Molecular Structure</i> , 2022, 1253, 132239.	3.6	11
4	Enhanced nonlinear absorption and optical limiting of transparent, electrospun graphite filled polymer composite nanofibers in near IR region. <i>Journal of Materials Science</i> , 2022, 57, 1058-1068.	3.7	18
5	Morphology, defects and polymer concentration related nonlinear absorption and optical limiting properties of electrospun polyamide 6 nanofibers. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	8
6	Naked-eye colorimetric anion probing and fluorescent switching features of conjugated Schiff Bases derived from 4-(Trifluoromethyl) benzenesulfonamide. <i>Journal of Luminescence</i> , 2022, 247, 118849.	3.1	5
7	Tuning the energy bandgap and nonlinear absorption coefficients of WO _x / ZrO ₂ nanocomposite thin films with the role of weight and doping concentration. <i>Journal of Luminescence</i> , 2022, 247, 118869.	3.1	8
8	Understanding electrooxidation mechanism of anticancer drugs utilizing ultrafast pump probe spectroscopy. <i>Journal of Molecular Structure</i> , 2022, 1262, 133071.	3.6	1
9	Above bandgap one-photon excitation induced nonlinear absorption behavior of InTe. <i>Journal of Luminescence</i> , 2022, 248, 118987.	3.1	3
10	Nonlinear optical performance and optical limiting of germanate glasses modified with PbF ₂ and B ₂ O ₃ induced by nanosecond pulsed laser. <i>Journal of Non-Crystalline Solids</i> , 2022, 590, 121704.	3.1	10
11	Thienyl/phenyl bay-substituted perylenebisimides: Intersystem crossing and application as heavy atom-free triplet photosensitizers. <i>Dyes and Pigments</i> , 2021, 184, 108708.	3.7	16
12	Enhanced nonlinear absorption coefficient and low optical limiting threshold of NiO nanocomposite films. <i>Optik</i> , 2021, 227, 165975.	2.9	16
13	Twisted BODIPY derivative: intersystem crossing, electron spin polarization and application as a novel photodynamic therapy reagent. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8641-8652.	2.8	40
14	Ultrafast Electron/Energy Transfer and Intersystem Crossing Mechanisms in BODIPY-Porphyrin Compounds. <i>Processes</i> , 2021, 9, 312.	2.8	3
15	Tuning the linear and nonlinear optical absorption properties of ZnS/hydrochar nanocomposites by concentration of nanoparticles. <i>Optical Materials</i> , 2021, 113, 110849.	3.6	10
16	Intersystem Crossing and Electron Spin Selectivity in Anthracene-Naphthalimide Compact Electron Donor-Acceptor Dyads Showing Different Geometry and Electronic Coupling Magnitudes. <i>Chemistry - A European Journal</i> , 2021, 27, 7572-7587.	3.3	21
17	Enhancement of Nonlinear Absorption in Defect Controlled ZnO Polycrystalline Thin Films by Means of Co-Doping. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000539.	1.5	15
18	Spiro Rhodamine-Perylene Compact Electron Donor-Acceptor Dyads: Conformation Restriction, Charge Separation, and Spin-Orbit Charge Transfer Intersystem Crossing. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4187-4203.	2.6	21

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19	Chromophore Orientation-Dependent Photophysical Properties of Pyrene- <i>N</i> -Naphthalimide Compact Electron Donor-Acceptor Dyads: Electron Transfer and Intersystem Crossing. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9244-9259.	2.6	16
20	Thermally Induced Phase Transition and Defect-Assisted Nonlinear Absorption and Optical Limiting in Nanorod Morphology $V_{2}O_{5}$ Thin Films. <i>Advanced Engineering Materials</i> , 2021, 23, 2100468.	3.5	19
21	Intersystem Crossing and Triplet-State Property of Anthryl- and Carbazole-[1,12]fused Perylenebisimide Derivatives with a Twisted π -Conjugation Framework. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9317-9332.	2.6	11
22	Great enhancement of two photon absorption cross section value by intramolecular charge transfer in newly synthesized triphenylamine-BODIPY derivative. <i>Dyes and Pigments</i> , 2021, 193, 109522.	3.7	8
23	Defect assisted optical limiting performance of hexagonal boron nitride nanosheets in aqueous suspension and PMMA nanocomposite films. <i>Optical Materials</i> , 2021, 121, 111630.	3.6	14
24	Synthesis, spectral, thermal, structural, optical characterization, and Hirshfield surface analysis of N,N'-diethylnicotinamide complexes of Mn(II) and Co(II) 4-cyanobenzoates. <i>Chemical Papers</i> , 2020, 74, 2021-2033.	2.2	1
25	The synthesis of $1,3,5,7,8$ aryl substituted boron-dipyrromethene chromophores: Nonlinear optical and photophysical characterization. <i>Journal of Molecular Structure</i> , 2020, 1206, 127691.	3.6	4
26	Effect of Cr/Sb doping and annealing on nonlinear absorption coefficients of SnO ₂ /PMMA nanocomposite films. <i>Materials Chemistry and Physics</i> , 2020, 255, 123596.	4.0	21
27	A novel AB ₃ -type trimeric zinc(<i>ii</i>)-phthalocyanine as an electrochromic and optical limiting material. <i>Dalton Transactions</i> , 2020, 49, 14068-14080.	3.3	9
28	Long-Lived Triplet Excited State Accessed with Spin-Orbit Charge Transfer Intersystem Crossing in Red Light-Absorbing Phenoxazine-Styryl BODIPY Electron Donor/Acceptor Dyads. <i>ChemPhysChem</i> , 2020, 21, 1388-1401.	2.1	33
29	Nonlinear optical absorption properties of tellurium glasses containing different network modifiers. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 075501.	2.2	4
30	Electronic coupling and spin-orbit charge transfer intersystem crossing (SOCT-ISC) in compact BDP-carbazole dyads with different mutual orientations of the electron donor and acceptor. <i>Journal of Chemical Physics</i> , 2020, 152, 114701.	3.0	40
31	Thermal annealing and dopant dependence of nonlinear absorption characteristics in ZnO Nanoparticle/PMMA films. <i>Optical Materials</i> , 2020, 101, 109749.	3.6	20
32	Charge separation, recombination and intersystem crossing of directly connected perylenemonoimide-carbazole electron donor/acceptor dyads. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6376-6390.	2.8	21
33	The effect of Ga/In ratio and annealing temperature on the nonlinear absorption behaviors in amorphous TlGa _x In _(1-x) S ₂ (0 ≤ x ≤ 1) chalcogenide thin films. <i>Optics and Laser Technology</i> , 2020, 128, 106230.	4.6	15
34	Tuning the energy bandgap and nonlinear absorption coefficients of CdO nanocomposite films with doping and annealing process. <i>Optical Materials</i> , 2020, 103, 109880.	3.6	32
35	The superiority of the classical synthesis compared to the hydrothermal synthesis upon the structural, optical absorption and fluorescent properties of new Cd(II) 3-fluorobenzoate complexes with Pyridine-3-carboxamide/Pyridine-3-carboxylate. <i>Inorganica Chimica Acta</i> , 2020, 509, 119694.	2.4	4
36	Study of the Spin-Orbit Charge Transfer Intersystem Crossing of Perylenemonoimide-Phenothiazine Compact Electron Donor/Acceptor Dyads with Steady-State and Time-Resolved Optical and Magnetic Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18270-18282.	3.1	28

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37	Molecular simulation of PcCel45A protein expressed from <i>Aspergillus nidulans</i> to understand its structure, dynamics, and thermostability. <i>Journal of Molecular Modeling</i> , 2019, 25, 317.	1.8	4
38	The effect of doping and annealing on the nonlinear absorption characteristics in hydrothermally grown Al doped ZnO thin films. <i>Optical Materials</i> , 2019, 98, 109495.	3.6	27
39	Spin-Orbit Charge-Transfer Intersystem Crossing (SOCT-ISC) in Bodipy-Phenoxazine Dyads: Effect of Chromophore Orientation and Conformation Restriction on the Photophysical Properties. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22793-22811.	3.1	95
40	Effect of Molecular Conformation Restriction on the Photophysical Properties of N ^N Platinum(II) Bis(ethynyl)naphthalimide Complexes Showing Close-Lying ³ MLCT and ³ LE Excited States. <i>Inorganic Chemistry</i> , 2019, 58, 1850-1861.	4.0	16
41	Enhancing of the nonlinear absorption and optical limiting performances of the phthalocyanine thin films by adding of the single walled carbon nanotubes in poly(methyl methacrylate) host. <i>Optical Materials</i> , 2019, 91, 326-332.	3.6	8
42	Linear and nonlinear absorption, SHG and photobleaching behaviors of Dy doped GaSe single crystal. <i>Chinese Journal of Physics</i> , 2019, 59, 465-472.	3.9	9
43	Two new potential optical materials: Co(II) and Ni(II) 3-fluorobenzoate complexes with pyridine-3-carboxamide. <i>Journal of Coordination Chemistry</i> , 2019, 72, 786-795.	2.2	6
44	Electronic Coupling and Spin-Orbit Charge-Transfer Intersystem Crossing in Phenothiazine-Perylene Compact Electron Donor/Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2019, 123, 7010-7024.	3.1	47
45	Synthesis, Crystal Structure, Anion Sensing Applications and DFT Studies of (E)-2-[(3,5-Bis(trifluoromethyl)phenylimino)methyl]-4-chlorophenol. <i>Journal of Chemical Crystallography</i> , 2019, 49, 232-244.	1.1	4
46	Electron/energy transfer studies on hybrid materials based on dinuclear coordination compounds of twisted perylene diimide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 226-234.	3.9	3
47	Investigation of ultrafast energy transfer mechanism in BODIPY-Porphyrin dyad system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 373, 116-121.	3.9	13
48	Syntheses and studies of electron/energy transfer of new dyads based on an unsymmetrical perylene diimide incorporating chelating 1,10-phenanthroline and its corresponding square-planar complexes with dichloroplatinum(^{II}) and dichloropalladium(^{II}). <i>Dalton Transactions</i> , 2018, 47, 7422-7430.	3.3	7
49	Experimental, DFT Calculation, Biological Activity, Anion Sensing Application Studies and Crystal Structure of (E)-4-[(pyridin-3-ylimino)methyl]benzene-1,3-diol. <i>Journal of Chemical Crystallography</i> , 2018, 48, 32-46.	1.1	2
50	Enhancing the blue shift of SHG signal in GaSe:B/Ce crystal. <i>Optics and Laser Technology</i> , 2018, 99, 392-395.	4.6	8
51	Controlling the nonlinear absorption characteristics of TiO ₂ /carbon nanocomposites on films. <i>Optics and Laser Technology</i> , 2018, 108, 510-514.	4.6	13
52	Frequency conversion, nonlinear absorption and carrier dynamics of GaSe:B/Er crystals. <i>Optical Materials</i> , 2017, 66, 137-141.	3.6	7
53	Fabrication of Plasmonically Active Substrates Using Engineered Silver Nanostructures for SERS Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39795-39803.	8.0	43
54	Size and structure dependent ultrafast dynamics of plasmonic gold nanosphere heterostructures on poly(ethylene glycol) brushes. <i>Optical Materials</i> , 2017, 73, 83-88.	3.6	5

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55	The effect of Se/Te ratio on transient absorption behavior and nonlinear absorption properties of $\text{CuIn}_{0.7}\text{Ga}_{0.3}(\text{Se}_{1-x}\text{Te}_x)_2$ amorphous semiconductor thin films. <i>Optical Materials</i> , 2017, 73, 20-24.	3.6	22
56	Synthesis, spectral and quantum chemical studies and use of (E)-3-[(3,5-bis(trifluoromethyl)phenyl)amino]acrylonitrile as an anion sensor, DNA binding, DNA cleavage, anti-microbial, anti-mutagenic and anti-cancer agent. <i>Journal of Molecular Structure</i> , 2016, 1125, 162-176.	3.6	33
57	Synthesis, characterization, and evaluation of (E)-methyl 2-((2-oxonaphthalen-1(2H)-ylidene)amino)acrylate. <i>Journal of Molecular Structure</i> , 2016, 24, 5592-5601.	3.0	8
58	Influence of boron concentration on nonlinear absorption and ultrafast dynamics in GaSe crystals. <i>Optical Materials</i> , 2016, 60, 74-80.	3.6	25
59	DiiodoBodipy-Perylenebisimide Dyad/Triad: Preparation and Study of the Intramolecular and Intermolecular Electron/Energy Transfer. <i>Journal of Organic Chemistry</i> , 2015, 80, 3036-3049.	3.2	49
60	Broad-Band Visible Light Harvesting Complex with Heteroleptic Bodipy Acetylde Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 7803-7817.	4.0	37
61	The effect of heavy atom to two photon absorption properties and intersystem crossing mechanism in aza-boron-dipyrromethene compounds. <i>Dyes and Pigments</i> , 2015, 122, 286-294.	3.7	32
62	Near-IR Broadband-Absorbing trans-Bisphosphine Pt(II) Bisacetylde Complexes: Preparation and Study of the Photophysics. <i>Inorganic Chemistry</i> , 2015, 54, 7492-7505.	4.0	41
63	Bodipy triple hydrogen bonding assemblies as heavy atom-free triplet photosensitizers: preparation and study of the singlet/triplet energy transfer. <i>Chemical Science</i> , 2015, 6, 3724-3737.	7.4	41
64	Nonlinear and saturable absorption characteristics of Ho doped InSe crystals. <i>Optics Communications</i> , 2014, 310, 100-103.	2.1	14
65	Resonance energy transfer-enhanced rhodamine-styryl Bodipy dyad triplet photosensitizers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3900-3913.	5.5	50
66	Explanation of pH probe mechanism in borondipyrromethene-benzimidazole compound using ultrafast spectroscopy technique. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 737-744.	7.8	24
67	BODIPY triads triplet photosensitizers enhanced with intramolecular resonance energy transfer (RET): broadband visible light absorption and application in photooxidation. <i>Chemical Science</i> , 2014, 5, 489-500.	7.4	116
68	trans-Bis(alkylphosphine) platinum-alkynyl complexes showing broadband visible light absorption and long-lived triplet excited states. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9720-9736.	5.5	33
69	Probing ultrafast energy transfer between excitons and plasmons in the ultrastrong coupling regime. <i>Applied Physics Letters</i> , 2014, 105, 051105.	3.3	29
70	Attractive versus Repulsive Excitonic Interactions of Colloidal Quantum Dots Control Blue- to Red-Shifting (and Non-shifting) Amplified Spontaneous Emission. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 4146-4152.	4.6	38
71	Enhancement of two photon absorption properties by charge transfer in newly synthesized aza-boron-dipyrromethene compounds containing triphenylamine, 4-ethynyl-N,N-dimethylaniline and methoxy moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 256, 23-28.	3.9	21
72	The effect of charge transfer on the ultrafast and two-photon absorption properties of newly synthesized boron-dipyrromethene compounds. <i>Dyes and Pigments</i> , 2013, 99, 979-985.	3.7	25

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73	The effect of aggregation on the nonlinear optical absorption performance of indium and gallium phthalocyanines in a solution and co-polymer host. <i>Materials Chemistry and Physics</i> , 2013, 138, 270-276.	4.0	15
74	The effect of film thickness, Se/S ratio and annealing temperature on the nonlinear absorption behaviors in amorphous GaSexS1âˆ”x (0 â‰‰ xâ‰‰ 1) thin films. <i>Optics Communications</i> , 2013, 288, 107-113.	2.1	17
75	Crystallization of Ge in SiO2 matrix by femtosecond laser processing. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , 2012, 30, .	1.2	7
76	Synthesis, optical properties and ultrafast dynamics of aza-boron-dipyrromethene compounds containing methoxy and hydroxy groups and two-photon absorption cross-section. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 247, 24-29.	3.9	23
77	Encapsulation of a zinc phthalocyanine derivative in self-assembled peptide nanofibers. <i>Journal of Materials Chemistry</i> , 2012, 22, 2553-2559.	6.7	20
78	Thickness-dependent nonlinear absorption behaviors in polycrystalline ZnSe thin films. <i>Optics Communications</i> , 2012, 285, 1471-1475.	2.1	41
79	Two photon absorption characteristics of bulk GaTe crystal. <i>Optics and Laser Technology</i> , 2012, 44, 2178-2181.	4.6	19
80	The nonlinear and saturable absorption characteristics of Ga_{0.90}In_{0.10}Se and Ga_{0.85}In_{0.15}Se semiconductor crystals and their amorphous thin films. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 075203.	2.2	16
81	Femtosecond laser crystallization of amorphous Ge. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	24
82	The third order nonlinear optical characteristics of amorphous vanadium oxide thin film. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 1025-1030.	2.3	8
83	Optical limiting properties of trimeric metallo-phthalocyanines/polymer composite films. <i>Optics and Laser Technology</i> , 2011, 43, 992-995.	4.6	15
84	The effect of thickness and doping on the nonlinear absorption behaviour of IIIA-VIA group amorphous semiconductor thin films. , 2011, , .		0
85	Electrochemically tunable ultrafast optical response of graphene oxide. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	29
86	Synthesis and X-ray crystal structure determination of N-p-methylphenyl-4-benzoyl-3,4-diphenyl-2-azetidinone. <i>Crystallography Reports</i> , 2010, 55, 1220-1222.	0.6	3
87	Strong optical limiting property of a ball-type supramolecular zinc-phthalocyanine in polymer-phthalocyanine composite film. <i>Optics Communications</i> , 2010, 283, 330-334.	2.1	31
88	Optical limiting properties of zinc phthalocyanines in solution and solid PMMA composite films. <i>Optics Communications</i> , 2010, 283, 4749-4753.	2.1	40
89	The effect of thickness and/or doping on the nonlinear and saturable absorption behaviors in amorphous GaSe thin films. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	54
90	Nonlinear and saturable absorption characteristics of amorphous InSe thin films. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	71

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91	Good optical limiting performance of indium and gallium phthalocyanines in a solution and co-polymer host. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 015208.	2.2	35
92	Synthesis, Characterization, Electrochemical, and Optic Limiting Properties of Novel Co ^{II} , Cu ^{II} , and Double-Decker Lu ^{III} Phthalocyanines. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2096-2103.	2.0	28
93	Optical limiting response by embedding copper phthalocyanine into polymer host. <i>Optics Communications</i> , 2009, 282, 2426-2430.	2.1	21
94	Synthesis, Characterization, Nonlinear Absorption and Electrochromic Properties of Double-Decker Octakis(mercaptopropylisobutyl-POSS)phthalocyaninatolanthanide(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4943-4950.	2.0	26
95	The nonlinear refraction and absorption dependence on the thermal effect for 4ns pulse duration in binuclear Zn(II) phthalocyanine solution. <i>Optics Communications</i> , 2008, 281, 3897-3901.	2.1	27
96	Trimeric metallo-phthalocyanines with good performances for nanosecond optical limiting in solution. <i>Optics Communications</i> , 2008, 281, 2970-2974.	2.1	10
97	Synthesis, structure, linear and third-order nonlinear optical behavior of N-(3-hydroxybenzalidene)4-bromoaniline. <i>Journal of Molecular Structure</i> , 2008, 877, 152-157.	3.6	29
98	Synthesis, characterization and nonlinear absorption of novel octakis-POSS substituted metallophthalocyanines and strong optical limiting property of CuPc. <i>Dalton Transactions</i> , 2008, , 2407.	3.3	32
99	Structure, Spectroscopic Study and ab initio Calculations on Third-order Nonlinear Optical Behavior of N-(2-Hydroxy-4-methoxybenzylidene)-3- nitroaniline. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 1315-1320.	0.7	0
100	THE INVESTIGATION OF ELECTRONIC PROPERTIES AND MICROSCOPIC SECOND-ORDER NONLINEAR OPTICAL BEHAVIOR OF 1-SALICYLIDENE-3-THIO-SEMICARBAZONE. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 91-99.	1.8	20
101	SYNTHESIS, CRYSTAL STRUCTURE, SPECTROSCOPIC STUDIES AND AB-INITIO CALCULATIONS ON THIRD-ORDER OPTICAL NONLINEARITY OF A FIVE-COORDINATE CHLOROIRON(III) COMPLEX. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 329-341.	1.8	8
102	Third-order Nonlinear Optical Properties and Crystal Structures of N-(2-Nitrobenzalidene)-2,4-dimethylaniline and N-(3-Nitrobenzalidene)- 2,4-dimethylaniline. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 1437-1442.	0.7	6
103	THIRD-ORDER NONLINEAR OPTIC AND OPTICAL LIMITING PROPERTIES OF A MN(III) TRANSITION METAL COMPLEX. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 505-518.	1.8	10
104	THEORETICAL STUDIES ON LINEAR AND NONLINEAR OPTICAL CHARACTERIZATION AND OPTICAL LIMITING PROPERTY OF Pb(II), In(III) CHLORIDE, Ni(II) METALLATED 1,4,8,11,15,18,22,25-OCTAALKYLPHTHALOCYANINES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 247-254.	1.8	1
105	Synthesis, molecular structure, spectroscopic studies and second-order nonlinear optical behaviour of N,N ² -(2-hydroxy-propane-1,3-diyl)-bis(5-nitrosalicylaldiminato-N,O)-copper(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 66, 1141-1146.	3.9	17
106	Linear optical transmission measurements and computational study of linear polarizabilities, first hyperpolarizabilities of a dinuclear iron(III) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 567-572.	3.9	57
107	Synthesis, Structure, Spectroscopic Studies And Ab-Initio Calculations On First Hyperpolarizabilities Of N,N ² -Bis(2-Hydroxy-1-Naphthylmethylidene)- 1-Methyl-1,2-Diaminoethane-N,N ² ,O,O ² -Copper(II). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 968-974.	0.7	21
108	Third-order Nonlinear Optical Properties of Copper(II)bis{2-[(4-iodophenyl)iminomethyl]-6-methoxy-phenolate}. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 1355-1360.	0.7	1

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109	Synthesis, spectroscopic studies and nonlinear optical behavior of N,N'-bis(2-hydroxy-1-naphthylmethylidene)-1-methyl-1,2-diaminoethane-N,N'-O,O'-nickel(II). Journal of Molecular Structure, 2006, 800, 18-22.	3.6	20
110	Static and dynamic second hyperpolarizabilities of [FeL(MeOH)Cl] ₂ (L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (N-(5-methylphenyl)-2-hydroxy-1-naphthylmethylidene)-1,2-diaminoethane-N,N'-O,O'-nickel(II). Journal of Molecular Structure, 2006, 800, 67-70.	1.5	8
111	Study On The Second Order Optical Properties Of N-(2,4-Dichloro)-Salicylaldimine. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 376-382.	1.5	12
112	Nonlinear optical properties, synthesis, structures and spectroscopic studies of N-(4-nitrobenzylidene)-o-fluoroamine and N-(3-nitrobenzylidene)-p-fluoroamine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2979-2987.	3.9	44
113	Nonlinear optical properties of bis[(p-bromophenyl-salicylaldiminato)chloro]iron(III) and its ligand N-(4-bromo)-salicylaldimine. Chemical Physics, 2005, 309, 251-257.	1.9	35
114	The Crystal Structures of [N,N'-Bis(3-methoxysalicylidene)-1,3-diaminopropane]nickel(II) and -copper(II). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 228-232.	0.7	7
115	Crystal Structure and Magnetic Properties of a Novel Cu ^{II} /Nd ^{III} Heterodinuclear Schiff Base Complex. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 530-534.	0.7	11
116	Synthesis of (4S*,5S*)-Diphenyl-1,3,4,5-tetrahydro-2H-[1]benzopyrano [4,3-d]pyrimidine-2-thiones by Base-Catalyzed Cyclocondensation of (E)-3-Benzylidene flavanones with Thiourea, and Determination of Their Monoacetylation Site.. ChemInform, 2004, 35, no.	0.0	0
117	Schiff bases with various donor-acceptor substituents and regulating groups as non-linear optical materials: ab initio quantum mechanical calculations. Computational and Theoretical Chemistry, 2004, 712, 117-122.	1.5	8
118	Structural and magnetic properties of Al doped Co-Ag granular films: temperature dependence of magnetoresistance. Journal of Magnetism and Magnetic Materials, 2004, 279, 202-209.	2.3	3
119	Synthesis of (4S*,5S*)-Diphenyl-1,3,4,5-Tetrahydro-2H-[1]Benzopyrano [4,3-d]Pyrimidine-2-Thiones by Base-Catalysed Cyclocondensation of (E)-3-Benzylidene flavanones with Thiourea, and Determination of Their Monoacetylation Site. Journal of Chemical Research, 2004, 2004, 180-182.	1.3	3
120	Magnetic Properties and Crystal Structure of a Cu ^{II} /Gd ^{III} Heterodinuclear Schiff Base Complex. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2004, 59, 535-540.	0.7	20
121	Crystal Structure and Magnetic Properties of a Ce ^{III} -Cu ^I Heterodinuclear Complex. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 639-643.	0.7	20
122	Conformations and Structures of N,N'-Bis(2-methoxybenzylidene)-1,3-diamino-propanol and N,N'-Bis(3-methoxybenzylidene)-1,3-diamino-propanol. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 1141-1146.	0.7	9
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