

Ayhan Elmali

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Nonlinear and saturable absorption characteristics of amorphous InSe thin films. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	71
4	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
5	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
6	Resonance energy transfer-enhanced rhodamine-styryl Bodipy dyad triplet photosensitizers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3900-3913.	5.5	50
7	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
8	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
9	Nonlinear optical properties, synthesis, structures and spectroscopic studies of N-(4-nitrobenzylidene)-o-fluoroamine and N-(3-nitrobenzylidene)-p-fluoroamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2979-2987.	3.9	44
10	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
11	Thickness-dependent nonlinear absorption behaviors in polycrystalline ZnSe thin films. <i>Optics Communications</i> , 2012, 285, 1471-1475.	2.1	41
12	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
13	Bodipy-C ₆₀ 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
14	Optical limiting properties of zinc phthalocyanines in solution and solid PMMA composite films. <i>Optics Communications</i> , 2010, 283, 4749-4753.	2.1	40
15	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
16	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
17	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
18	Broad-Band N ²⁺ Pt(II) Bisacetylde Visible Light Harvesting Complex with Heteroleptic Bodipy Acetylde Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 7803-7817.	4.0	37

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19	Nonlinear optical properties of bis[(p-bromophenyl-salicylaldiminato)chloro]iron(III) and its ligand N-(4-bromo)-salicylaldimine. <i>Chemical Physics</i> , 2005, 309, 251-257.	1.9	35
20	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
21	trans-Bis(alkylphosphine) platinum(II)-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
22	Synthesis, spectral and quantum chemical studies and use of (E)-3-[(3,5-bis(trifluoromethyl)phenyl)imino]propanoic acid 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
23	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
24	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
25	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
26	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
27	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
28	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
29	Electrochemically tunable ultrafast optical response of graphene oxide. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	29
30	Probing ultrafast energy transfer between excitons and plasmons in the ultrastrong coupling regime. <i>Applied Physics Letters</i> , 2014, 105, 051105.	3.3	29
31	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
32	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
33	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
34	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
35	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
36	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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37	Influence of boron concentration on nonlinear absorption and ultrafast dynamics in GaSe crystals. <i>Optical Materials</i> , 2016, 60, 74-80.	3.6	25
38	Crystal Structure and Conformation of N-(5-Chlorosalicylidene)- 2-hydroxy-5-chloroaniline. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 651-656.	0.7	24
39	Femtosecond laser crystallization of amorphous Ge. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	24
40	Explanation of pH probe mechanism in borondipyromethene-benzimidazole compound using ultrafast spectroscopy technique. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 737-744.	7.8	24
41	Crystal structure of bis-N,Nâ€²-p-chlorosalicylideneamine-1,2-diaminobenzene. <i>Journal of Chemical Crystallography</i> , 1994, 24, 603-606.	1.1	23
42	Synthesis, optical properties and ultrafast dynamics of aza-boron-dipyromethene 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
43	Structure and Spin-Spin Interactions in a Linear Trinuclear Ni(II) Complex. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1996, 51, 665-670.	0.7	22
44	The effect of Se/Te ratio on transient absorption behavior and nonlinear absorption properties of CuIn _{0.7} Ga _{0.3} (Se _{1-x} Tex) ₂ (0 ≤ x ≤ 1) amorphous semiconductor thin films. <i>Optical Materials</i> , 2017, 73, 20-24.	3.6	22
45	Synthesis, Structure, Spectroscopic Studies And Ab-Initio Calculations On First Hyperpolarizabilities Of N,Nâ€™-Bis(2-Hydroxy-1-Naphthylmethylidene)- 1-Methyl-1,2-Diaminoethane-N,Nâ€™,O,Oâ€™-Copper(Ii). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2006, 61, 968-974.	0.7	21
46	Optical limiting response by embedding copper phthalocyanine into polymer host. <i>Optics Communications</i> , 2009, 282, 2426-2430.	2.1	21
47	Enhancement of two photon absorption properties by charge transfer in newly synthesized aza-boron-dipyromethene 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
48	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
49	Charge separation, recombination and intersystem crossing of directly connected perylenemonoimideâ€™ carbazole electron donor/acceptor dyads. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6376-6390.	2.8	21
50	Intersystem Crossing and Electron Spin Selectivity in Anthraceneâ€™Naphthalimide Compact Electron Donorâ€™Acceptor Dyads Showing Different Geometry and Electronic Coupling Magnitudes. <i>Chemistry - A European Journal</i> , 2021, 27, 7572-7587.	3.3	21
51	Spiro Rhodamine-Perylene Compact Electron Donorâ€™Acceptor Dyads: Conformation Restriction, Charge Separation, and Spinâ€™Orbit Charge Transfer Intersystem Crossing. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4187-4203.	2.6	21
52	Crystal Structure and Magnetic Properties of a Cellâ€™Cull Heterodinuclear Complex. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003, 58, 639-643.	0.7	20
53	Magnetic Properties and Crystal Structure of a Cu ^{II} /Gd ^{III} Heterodinuclear Schiff Base Complex. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 535-540.	0.7	20
54	Synthesis, spectroscopic studies and nonlinear optical behavior of N,Nâ€™-bis(2-hydroxy-1-naphthylmethylidene)-1-methyl-1,2-diaminoethane-N,Nâ€™,O,Oâ€™-nickel(II). <i>Journal of Molecular Structure</i> , 2006, 800, 18-22.	3.6	20

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55	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
56	Encapsulation of a zinc phthalocyanine derivative in self-assembled peptide nanofibers. <i>Journal of Materials Chemistry</i> , 2012, 22, 2553-2559.	6.7	20
57	Thermal annealing and dopant dependence of nonlinear absorption characteristics in ZnO Nanoparticle/PMMA films. <i>Optical Materials</i> , 2020, 101, 109749.	3.6	20
58	Two photon absorption characteristics of bulk GaTe crystal. <i>Optics and Laser Technology</i> , 2012, 44, 2178-2181.	4.6	19
59	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
60	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
61	[N,Nâ€²-Bis(5-bromosalicylidene)-1,3-diaminopropane]nickel(II) and [N,Nâ€²-bis(5-chlorosalicylidene)-1,3-diaminopropane]copper(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 1302-1304.	0.4	17
62	Synthesis, molecular structure, spectroscopic studies and second-order nonlinear optical behaviour of N,Nâ€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
63	The effect of film thickness, Se/S ratio and annealing temperature on the nonlinear absorption behaviors in amorphous $Ga_{0.90}In_{0.10}Se$ thin films. <i>Optics Communications</i> , 2013, 288, 107-113.	2.1	17
64	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
65	Effect of Molecular Conformation Restriction on the Photophysical Properties of N ^N Platinum(II) Bis(ethynyl)naphthalimide Complexes Showing Close-Lying 3MLCT and 3LE Excited States. <i>Inorganic Chemistry</i> , 2019, 58, 1850-1861.	4.0	16
66	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
67	Enhanced nonlinear absorption coefficient and low optical limiting threshold of NiO nanocomposite films. <i>Optik</i> , 2021, 227, 165975.	2.9	16
68	Chromophore Orientation-Dependent Photophysical Properties of Pyreneâ€“Naphthalimide Compact Electron Donorâ€“Acceptor Dyads: Electron Transfer and Intersystem Crossing. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9244-9259.	2.6	16
69	Evolution of the surface roughness (dynamic scaling) and microstructure of sputter-deposited $Ag_{75}Co_{25}$ granular films. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 9237-9245.	1.8	15
70	Optical limiting properties of trimeric metallo-phthalocyanines/polymer composite films. <i>Optics and Laser Technology</i> , 2011, 43, 992-995.	4.6	15
71	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
72	The effect of Ga/In ratio and annealing temperature on the nonlinear absorption behaviors in amorphous $TlGa_xIn_{(1-x)}S_2$ chalcogenide thin films. <i>Optics and Laser Technology</i> , 2020, 128, 106230.	4.6	15

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73	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
74	Nonlinear and saturable absorption characteristics of Ho doped InSe crystals. <i>Optics Communications</i> , 2014, 310, 100-103.	2.1	14
75	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
76	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
77	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
78	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
79	Study On The Second Order Optical Properties Of N-(2,4-Dichloro)-Salicylaldimine. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2005, 60, 376-382.	1.5	12
80	Crystal Structure and Magnetic Properties of a Novel Cu ^{II} /Nd ^{III} Heterodinuclear Schiff Base Complex. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004, 59, 530-534.	0.7	11
81	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
82	Colorimetric probe and optical behaviours of new azomethine derivatives of sulfonamide. <i>Journal of Molecular Structure</i> , 2022, 1253, 132239.	3.6	11
83	Structures and Magnetic Properties of Dinuclear Iron(III) Complexes. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1994, 49, 365-369.	0.7	10
84	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
85	Trimeric metallo-phthalocyanines with good performances for nanosecond optical limiting in solution. <i>Optics Communications</i> , 2008, 281, 2970-2974.	2.1	10
86	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
87	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
88	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
89	Conformations and Structures of N,N'-Bis(2-methoxybenzylidene)-1,3-diamino-propanol and N,N'-Bis(3-methoxybenzylidene)-1,3-diamino-propanol. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003, 58, 1141-1146.	0.7	9
90	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

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91	A novel AB ₃ -type trimeric zinc(II)-phthalocyanine as an electrochromic and optical limiting material. Dalton Transactions, 2020, 49, 14068-14080.	3.3	9
92	Crystal Structure of Chloro[bis(5-bromo-salicylideneiminephenyl)disulfide]-iron(III) Complex.. Analytical Sciences, 2002, 18, 1399-1400.	1.6	8
93	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
94	Static and dynamic second hyperpolarizabilities of [FeL(MeOH)Cl] ₂ (L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (N-(5-methylphenyl)amino)ethane-1-thiolate. Journal of Coordination Chemistry, 2010, 63, 67-70.	1.5	8
95	SYNTHESIS, CRYSTAL STRUCTURE, SPECTROSCOPIC STUDIES AND AB-INITIO CALCULATIONS ON THIRD-ORDER OPTICAL NONLINEARITY OF A FIVE-COORDINATE CHLOROIRON(III) COMPLEX. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 329-341.	1.8	8
96	The third order nonlinear optical characteristics of amorphous vanadium oxide thin film. Applied Physics A: Materials Science and Processing, 2011, 104, 1025-1030.	2.3	8
97	Synthesis, characterization, and evaluation of (E)-methyl 2-((2-oxonaphthalen-1(2H)-ylideneamino)ethyl)acrylate. Journal of Chemistry, 2016, 24, 5592-5601.	3.0	8
98	Enhancing the blue shift of SHG signal in GaSe:B/Ce crystal. Optics and Laser Technology, 2018, 99, 392-395.	4.6	8
99	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. Optical Materials, 2019, 91, 326-332.	3.6	8
100	Great enhancement of two photon absorption cross section value by intramolecular charge transfer in newly synthesized triphenylamine-BODIPY derivative. Dyes and Pigments, 2021, 193, 109522.	3.7	8
101	Morphology, defects and polymer concentration related nonlinear absorption and optical limiting properties of electrospun polyamide 6 nanofibers. Journal of Applied Polymer Science, 2022, 139, .	2.6	8
102	Tuning the energy bandgap and nonlinear absorption coefficients of WO _x / ZrO ₂ nanocomposite thin films with the role of weight and doping concentration. Journal of Luminescence, 2022, 247, 118869.	3.1	8
103	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
104	Crystallization of Ge in SiO ₂ matrix by femtosecond laser processing. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	1.2	7
105	Frequency conversion, nonlinear absorption and carrier dynamics of GaSe:B/Er crystals. Optical Materials, 2017, 66, 137-141.	3.6	7
106	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). Dalton Transactions, 2018, 47, 7422-7430.	3.3	7
107	Third-order Nonlinear Optical Properties and Crystal Structures of N-(2-Nitrobenzalidene)-2,4-dimethylaniline and N-(3-Nitrobenzalidene)-2,4-dimethylaniline. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2007, 62, 1437-1442.	0.7	6
108	Two new potential optical materials: Co(II) and Ni(II) 3-fluorobenzoate complexes with pyridine-3-carboxamide. Journal of Coordination Chemistry, 2019, 72, 786-795.	2.2	6

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109	Crystal Structure of Chloro[bis(5-chlorosalicylideneiminephenyl)disulfido]-iron(III) Complex.. Analytical Sciences, 2001, 17, 1137-1138.	1.6	5
110	Size and structure dependent ultrafast dynamics of plasmonic gold nanosphere heterostructures on poly (ethylene glycol) brushes. Optical Materials, 2017, 73, 83-88.	3.6	5
111	Naked-eye colorimetric anion probing and fluorescent switching features of conjugated Schiff Bases derived from 4-(Trifluoromethyl) benzenesulfonamide. Journal of Luminescence, 2022, 247, 118849.	3.1	5
112	Crystal Structure of (2,2'-Dipyridyl)-(2-hydroxynaphthaldehydato)copper(II) Perchlorate.. Analytical Sciences, 2002, 18, 855-856.	1.6	4
113	Molecular simulation of PcCel45A protein expressed from Aspergillus nidulans to understand its structure, dynamics, and thermostability. Journal of Molecular Modeling, 2019, 25, 317.	1.8	4
114	Synthesis, Crystal Structure, Anion Sensing Applications and DFT Studies of (E)-2-[(3,5-Bis(trifluoromethyl)phenylimino)methyl]-4-chlorophenol. Journal of Chemical Crystallography, 2019, 49, 232-244.	1.1	4
115	The synthesis of $\hat{A}^1, \hat{A}^3, \hat{A}^5, \hat{A}^7, \hat{A}^8$ aryl substituted boron-dipyrromethene chromophores: Nonlinear optical and photophysical characterization. Journal of Molecular Structure, 2020, 1206, 127691.	3.6	4
116	Nonlinear optical absorption properties of tellurium glasses containing different network modifiers. Journal of Optics (United Kingdom), 2020, 22, 075501.	2.2	4
117	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. Inorganica Chimica Acta, 2020, 509, 119694.	2.4	4
118	Structure and Magnetic Properties of a Dinuclear Complex with Iron(III) in Octahedral and Pyramidal Coordination. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1994, 49, 1239-1242.	0.7	3
119	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
120	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
121	Synthesis and X-ray crystal structure determination of N-p-methylphenyl-4-benzoyl-3,4-diphenyl-2-azetidinone. Crystallography Reports, 2010, 55, 1220-1222.	0.6	3
122	Electron/energy transfer studies on hybrid materials based on dinuclear coordination compounds of twisted perylene diimide. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 226-234.	3.9	3
123	Ultrafast Electron/Energy Transfer and Intersystem Crossing Mechanisms in BODIPY-Porphyrin Compounds. Processes, 2021, 9, 312.	2.8	3
124	Above bandgap one-photon excitation induced nonlinear absorption behavior of InTe. Journal of Luminescence, 2022, 248, 118987.	3.1	3
125	Structure and Magnetic Properties of a Dinuclear Copper(II) Complex. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 157-161.	0.7	2
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