

# Parutagouda Shankaragouda Patil

## List of Publications by Year in descending order

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198  
papers

3,141  
citations

172457

29  
h-index

182427

51  
g-index

198  
all docs

198  
docs citations

198  
times ranked

1864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical bath deposition of indium sulphide thin films: preparation and characterization. <i>Thin Solid Films</i> , 1999, 340, 18-23.	1.8	170
2	Process and characterisation of chemical bath deposited manganese sulphide (MnS) thin films. <i>Thin Solid Films</i> , 1998, 330, 70-75.	1.8	129
3	Experimental and computational studies on second-and third-order nonlinear optical properties of a novel D- $\pi$ -A type chalcone derivative: 3-(4-methoxyphenyl)-1-(4-nitrophenyl) prop-2-en-1-one. <i>Optics and Laser Technology</i> , 2017, 97, 219-228.	4.6	110
4	Ultrafast optical nonlinearities and figures of merit in acceptor-substituted 3,4,5-trimethoxy chalcone derivatives: Structure-property relationships. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	108
5	An investigation on the key features of a D- $\pi$ -A type novel chalcone derivative for opto-electronic applications. <i>RSC Advances</i> , 2015, 5, 87320-87332.	3.6	103
6	Second harmonic generation and crystal growth of new chalcone derivatives. <i>Journal of Crystal Growth</i> , 2007, 303, 520-524.	1.5	97
7	Two-photon-induced excited-state absorption: Theory and experiment. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	95
8	Crystal growth and characterization of new nonlinear optical chalcone derivative: 1-(4-Methoxyphenyl)-3-(3, 4-dimethoxyphenyl)-2-propen-1-one. <i>Journal of Crystal Growth</i> , 2006, 295, 44-49.	1.5	94
9	Structural characterizations, Hirshfeld surface analyses, and third-order nonlinear optical properties of two novel chalcone derivatives. <i>Optical Materials</i> , 2018, 75, 580-594.	3.6	85
10	Influence of Dy doping on key linear, nonlinear and optical limiting characteristics of SnO <sub>2</sub> films for optoelectronic and laser applications. <i>Optics and Laser Technology</i> , 2018, 108, 609-618.	4.6	84
11	Synthesis, growth, and characterization of 4-OCH <sub>3</sub> -4-nitrochalcone single crystal: A potential NLO material. <i>Journal of Crystal Growth</i> , 2006, 297, 111-116.	1.5	78
12	Structural, third-order optical nonlinearities and figures of merit of ( E )-1-(3-substituted) Tj ETQqO O O rgBT /Overlock 10 Tf 50 307 Td (p limiting applications. <i>Dyes and Pigments</i> , 2017, 139, 720-729.	3.7	76
13	Crystalline perfection, third-order nonlinear optical properties and optical limiting studies of 3, 4-Dimethoxy -4-nitrochalcone single crystal. <i>Optics and Laser Technology</i> , 2016, 81, 70-76.	4.6	74
14	Molecular structure, second- and third-order nonlinear optical properties and DFT studies of a novel non-centrosymmetric chalcone derivative: (2E)-3-(4-fluorophenyl)-1-(4-[[[(1E)-(4-fluorophenyl)methylene]amino]phenyl]prop-2-en-1-one. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 184, 342-354.	3.9	74
15	An experimental and theoretical study on a novel donor- $\pi$ -acceptor bridge type 2, 4, 5-trimethoxy-4-nitrochalcone for optoelectronic applications: A dual approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 445-456.	3.9	70
16	Structure and nonlinear optical properties of ( E )-1-(4-aminophenyl)-3-(3-chlorophenyl) prop-2-en-1-one: A promising new D- $\pi$ -A- $\pi$ -D type chalcone derivative crystal for nonlinear optical devices. <i>Journal of Molecular Structure</i> , 2017, 1129, 239-247.	3.6	68
17	The role of cobalt doping in tuning the band gap, surface morphology and third-order optical nonlinearities of ZnO nanostructures for NLO device applications. <i>RSC Advances</i> , 2019, 9, 22302-22312.	3.6	59
18	Investigation on structural, linear, nonlinear and optical limiting properties of sol-gel derived nanocrystalline Mg doped ZnO thin films for optoelectronic applications. <i>Journal of Molecular Structure</i> , 2018, 1173, 375-384.	3.6	58

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19	Effect of Aluminium doping on photoluminescence and third-order nonlinear optical properties of nanostructured CdS thin films for photonic device applications. <i>Physica B: Condensed Matter</i> , 2019, 555, 145-151.	2.7	52
20	4-Chloro-N <sup>2</sup> -(4-nitrobenzylidene)benzohydrazide monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1707-o1707.	0.2	48
21	Nonlinear optical properties of 2,4,5-Trimethoxy-4'-nitrochalcone: observation of two-photon-induced excited-state nonlinearities. <i>Optics Express</i> , 2009, 17, 1126.	3.4	47
22	Z-scan studies of third-order nonlinear optical and optical limiting properties of chalcones doped Poly(methyl methacrylate) thin films for visible laser protection. <i>Optical Materials</i> , 2018, 84, 28-37.	3.6	45
23	Linear optical and third-order nonlinear optical properties of anthracene chalcone derivatives doped PMMA thin films. <i>Optik</i> , 2019, 190, 54-67.	2.9	45
24	Key functions analysis of a novel nonlinear optical D-π-A bridge type (2E)-3-(4-Methylphenyl)-1-(3-nitrophenyl) prop-2-en-1-one chalcone: An experimental and theoretical approach. <i>Optical Materials</i> , 2017, 72, 427-435.	3.6	44
25	Second and third order nonlinear optical studies of a novel thiophene substituted chalcone derivative. <i>Physica B: Condensed Matter</i> , 2019, 555, 125-132.	2.7	39
26	4-Chloro-N <sup>2</sup> -(Z)-4-(dimethylamino)benzylidene]benzohydrazide monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1594-o1595.	0.2	36
27	Molecular structure, spectroscopic (FT-IR, FT Raman, UV, NMR and THz) investigation and hyperpolarizability studies of 3-(2-Chloro-6-fluorophenyl)-1-(2-thienyl) prop-2-en-1-one. <i>Journal of Molecular Structure</i> , 2017, 1129, 292-304.	3.6	35
28	Promising PVA/TiO <sub>2</sub> , CuO filled nanocomposites for electrical and third order nonlinear optical applications. <i>Optical Materials</i> , 2019, 95, 109218.	3.6	33
29	Growth and characterization of a new organic nonlinear optical crystal: 1-(3-Nitrophenyl)-5-phenylpenta-2,4-dien-1-one. <i>Optics and Laser Technology</i> , 2015, 71, 108-113.	4.6	31
30	Characterization of ultrasonic spray pyrolysed ruthenium oxide thin films. <i>Thin Solid Films</i> , 1997, 310, 57-62.	1.8	28
31	Study on nonlinear optical properties of 2,4,5-trimethoxy-4-bromochalcone single crystal. <i>Optics and Laser Technology</i> , 2014, 55, 37-41.	4.6	28
32	Crystal growth and characterization of second- and third-order nonlinear optical chalcone derivative: (2E)-3-(5-bromo-2-thienyl)-1-(4-nitrophenyl)prop-2-en-1-one. <i>Journal of Applied Crystallography</i> , 2018, 51, 1035-1042.	4.5	28
33	Crystal structure, spectroscopic analyses, linear and third-order nonlinear optical properties of anthracene-based chalcone derivative for visible laser protection. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	28
34	Continuous wave laser induced nonlinear optical response of nitrogen doped graphene oxide. <i>Optik</i> , 2019, 178, 384-393.	2.9	28
35	Nonlinear optical and optical power limiting studies of Zn <sub>1-x</sub> Mn <sub>x</sub> O thin films prepared by spray pyrolysis. <i>Optik</i> , 2019, 182, 671-681.	2.9	27
36	1-(4-Chlorophenyl)-3-(4-ethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2497-o2498.	0.2	25

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37	Concentration-dependent two-photon absorption and subsequent excited-state absorption in 4-methoxy-2-nitroaniline. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	25
38	Crystal growth of 2, 4, 5-Trimethoxy-4- $\alpha^2$ -chlorochalcone and its characterization. <i>Materials Letters</i> , 2008, 62, 451-453.	2.6	24
39	Investigation of third-order nonlinear optical properties of NNDC-doped PMMA thin films by Z-scan technique. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 723-731.	2.3	24
40	Linear, second and third order nonlinear optical properties of novel noncentrosymmetric donor-acceptor configure chalcone derivatives: A dual approach study. <i>Optik</i> , 2019, 199, 163354.	2.9	24
41	Molecular structure, linear optical, second and third-order nonlinear optical properties of two non-centrosymmetric thiophene $\alpha^2$ chalcone derivatives. <i>Journal of Molecular Structure</i> , 2020, 1222, 128901.	3.6	24
42	N $\alpha^2$ -[(E)-1-Phenylethylidene]benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1961-o1962.	0.2	21
43	Thermally induced optical nonlinearity and optical power limiting action of 2,4,5-trimethoxy-4- $\alpha^2$ -nitrochalcone under CW laser regime. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2018, 27, 1850012.	1.8	21
44	Crystal structure, Hirshfeld and third-order nonlinear optical properties of applications. <i>Optical Materials</i> , 2018, 86, 138-147.	3.6	21
45	Linear, third order nonlinear and optical limiting studies on MZO/FTO thin film system fabricated by spin coating technique for electro-optic applications. <i>Journal of Materials Research</i> , 2018, 33, 3880-3889.	2.6	21
46	Structural and femtosecond third-order nonlinear optical properties of electron donor $\alpha^2$ acceptor substituted chalcones: An experimental and computational approach. <i>Journal of Molecular Structure</i> , 2020, 1219, 128523.	3.6	19
47	Nonlinear refractive and optical limiting measurements of 2-thienylchalcone derivatives under cw laser regime. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 805-810.	2.3	18
48	Synthesis, growth and characterization of second-order nonlinear optical crystal: 5-Br-2-thienyl-4- $\alpha^2$ -methoxychalcone. <i>Journal of Crystal Growth</i> , 2007, 305, 218-221.	1.5	17
49	Structure $\alpha^2$ property relation and third-order nonlinear optical studies of two new halogenated chalcones. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 349-360.	0.8	17
50	Influence of solution molarity on structure, surface morphology, non-linear optical and electric properties of CdO thin films prepared by spray pyrolysis technique. <i>Materials Research Express</i> , 2019, 6, 106447.	1.6	17
51	Crystal structure, linear and nonlinear optical properties of three thiophenyl chalcone derivatives: A combined experimental and computational study. <i>Optical Materials</i> , 2020, 110, 110462.	3.6	17
52	Ultrafast Nonlinear Optical and Structure $\alpha^2$ Property Relationship Studies of Pyridine-Based Anthracene Chalcones Using <i>Z</i> -Scan, Degenerate Four-Wave Mixing, and Computational Approaches. <i>Journal of Physical Chemistry B</i> , 2021, 125, 3883-3898.	2.6	16
53	Enhancement of optical limiting performance in nanocrystalline La <sup>3+</sup> doped ZnO film. <i>Materials Science in Semiconductor Processing</i> , 2021, 133, 105931.	4.0	16
54	2-(4-Hydroxystyryl)-1-methylpyridinium 4-bromobenzenesulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o5494-o5496.	0.2	15

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55	Enhanced optical nonlinearity in sprayed Mn doped ZnS thin films. <i>Chemical Physics Letters</i> , 2020, 750, 137457.	2.6	15
56	3-(4-Methoxyphenyl)-1-(4-nitrophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o896-o898.	0.2	14
57	Defect assisted saturable absorption characteristics in Al and Li doped ZnO thin films. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	14
58	Photophysical, Electrochemical Studies of Novel Pyrazolone and Dihydroquinazolinones and Their Anticancer Activity. <i>ChemistrySelect</i> , 2017, 2, 6882-6890.	1.5	11
59	Fluorescence and third-order nonlinear optical properties of thermally stable CBPEA dye-doped PMMA/ZnO nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10531-10547.	2.2	11
60	(2E,4E)-1-(3-Nitrophenyl)-5-phenylpenta-2,4-dien-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2122-o2123.	0.2	10
61	Structure-Property Relationship of Three 2-Chloro-4-fluoro Chalcone Derivatives: A Comprehensive Study on Linear and Non-linear Optical Properties, Structural Characterizations and Density Functional Theory. <i>Journal of Molecular Structure</i> , 2022, 1267, 133584.	3.6	10
62	A cocrystal of 1-(4-methoxyphenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one and (E)-3-(3-chloro-4,5-dimethoxyphenyl)-1-(4-methoxyphenyl)-2-propen-1-one (0.92/0.08). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1228-o1230.	0.2	9
63	1,3-Bis(4-bromophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1421-o1423.	0.2	9
64	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium 4-chlorobenzenesulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1802-o1804.	0.2	9
65	3-(4-Bromophenyl)-1-(4-chlorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2175-o2177.	0.2	9
66	Structural, linear optical, second and third-order nonlinear optical properties of two halogenated chalcone derivatives containing thiophene moiety. <i>Chemical Physics Letters</i> , 2020, 761, 138051.	2.6	9
67	Thermo-optic effects mediated self focusing mechanism and optical power limiting studies of ZnO thin films deposited on ITO coated PET substrates by RF magnetron sputtering under continuous wave laser regime. <i>Optik</i> , 2021, 225, 165835.	2.9	9
68	Synthesis and Crystal Structure of 1-(4-fluorophenyl)-3-(3,4,5-trimethoxyphenyl)-2-propen-1-one. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 461, 123-130.	0.9	8
69	1-(4-Bromophenyl)-3-(3-methoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2612-o2612.	0.2	8
70	N <sup>+</sup> -(Z)-4-(Dimethylamino)benzylidene]-4-nitrobenzohydrazide monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1907-o1908.	0.2	8
71	Donor-Acceptor-Donor class of 2,5-dibenzylidenecyclopentan-1-one analogues as efficient third order nonlinear optical and photoluminescent materials – An experimental investigation. <i>Optics and Laser Technology</i> , 2019, 117, 304-315.	4.6	8
72	Investigation of structure, morphology, photoluminescence, linear and third-order nonlinear optical properties of Sn <sup>2+</sup> /xLa <sup>3+</sup> O <sub>2</sub> thin films for optical limiting applications. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162070.	5.5	8

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73	(E)-3-(4-Methylphenyl)-1-(4-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o954-o955.	0.2	8
74	4-(4-Bromobenzylideneamino)-1-(diphenylaminomethyl)-3-[1-(4-isobutylphenyl)ethyl]-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1001-o1002.	0.2	8
75	1-(4-Bromophenyl)-3-(2,4-dichlorophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1710-o1712.	0.2	7
76	3-(3-Bromophenyl)-1-(4-bromophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2399-o2400.	0.2	7
77	1-(4-Bromophenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4644-o4645.	0.2	7
78	1-(3-Bromophenyl)-3-[4-(dimethylamino)phenyl]prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1738-o1740.	0.2	7
79	Sprayed nanocrystalline ZMS thin films for nonlinear optical device applications. Optical Materials, 2019, 96, 109304.	3.6	7
80	Structural, photoluminescence, physical, optical limiting, and hirshfeld surface analysis of polymorphic chlorophenyl organic chalcone derivative for optoelectronic applications. Journal of Molecular Structure, 2021, 1232, 130053.	3.6	7
81	Modification of structure, electrical, linear and third-order nonlinear optical properties of spray pyrolyzed tin oxide films by deposition temperature. Superlattices and Microstructures, 2021, 155, 106920.	3.1	7
82	3-[1-(4-Isobutylphenyl)ethyl]-6-(4-methylphenyl)-1,2,4-triazolo[3,4-b][1,3,4]thiadiazole. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1076-o1077.	0.2	7
83	1-(4-Bromophenyl)-3-(4-ethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1540-o1541.	0.2	7
84	1-(4-Bromophenyl)-3-(3,4-dimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1570-o1572.	0.2	6
85	1-(4-Nitrophenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4228-o4230.	0.2	6
86	3-(5-Bromo-2-thienyl)-1-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o59-o60.	0.2	6
87	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium iodide monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2321-o2323.	0.2	6
88	Investigation of structural, physical, linear, and nonlinear optical properties of two novel thiophene centred D-π-A type push-pull organic derivatives for nonlinear optical applications. Journal of Molecular Structure, 2020, 1220, 128763.	3.6	6
89	Impact of brilliant green dye on structural, linear, and third-order nonlinear optical properties of poly(vinyl alcohol) polymer composites for optoelectronic applications. Journal of Materials Research, 2021, 36, 2856-2871.	2.6	6
90	(E)-1-(3-Bromophenyl)-3-(4-ethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1356-o1357.	0.2	6

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91	3-(2,4-Dichlorophenyl)-1-(4-methylphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3096-o3098.	0.2	5
92	1-(4-Bromophenyl)-3-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3718-o3720.	0.2	5
93	1-(4-Bromophenyl)-3-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4128-o4129.	0.2	5
94	(2E)-3-[4-(Dimethylamino)phenyl]-1-(3-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2692-o2692.	0.2	5
95	3-Hydroxy-4-methoxybenzaldehyde thiosemicarbazone hemihydrate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2274-o2275.	0.2	5
96	Vibrational spectroscopic characterization, electronic absorption, optical nonlinearity computation and terahertz investigation of (2E) 3-(4-ethoxyphenyl)-1-(3-bromophenyl) prop-2-en-1-one for NLO device fabrication. Journal of Molecular Structure, 2019, 1198, 126909.	3.6	5
97	Nonlinear reverse saturation absorption, self-defocusing behavior and structure-property relationship of a novel 2,3,4-trimethoxy-4'-nitrochalcone single crystal. Journal of Molecular Structure, 2019, 1193, 177-184.	3.6	5
98	Third-order NLO properties and power limiting behavior of (E)-3-(4-fluorophenyl)-1-(4-methoxyphenyl)prop-2-en-1-one under CW laser excitation. Materials Today: Proceedings, 2020, 23, 359-365.	1.8	5
99	Enhanced nonlinear optical absorption in defect enriched graphene oxide and reduced graphene oxide using continuous wave laser z-scan technique. Materials Today: Proceedings, 2022, 55, 186-193.	1.8	5
100	3-(3-Bromophenyl)-1-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4798-o4799.	0.2	4
101	N-(3-Chloro-4-fluorophenyl)thiourea. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o67-o68.	0.2	4
102	3-(4-Chlorophenyl)-1-(2-hydroxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o561-o562.	0.2	4
103	3-(5-Bromo-2-thienyl)-1-(4-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o785-o786.	0.2	4
104	2-[(E)-2-(3-Hydroxy-4-methoxyphenyl)ethenyl]-1-methylquinolinium 4-bromobenzenesulfonate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2124-o2126.	0.2	4
105	4-[(E)-4-Bromobenzylideneamino]-3-methyl-1H-1,2,4-triazole-5-thione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1509-o1509.	0.2	4
106	Influence of structure and surface morphology on optical limiting property of spray pyrolyzed ZCO thin films. Chemical Physics Letters, 2020, 759, 137975.	2.6	4
107	Linear and nonlinear optical investigations of ZnO nanoparticles for optoelectronic applications. AIP Conference Proceedings, 2020, .	0.4	4
108	(E)-1-(2-Thienyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1510-o1511.	0.2	4

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109	Influence of annealing on microstructure, nonlinear optical and electrical properties of spray pyrolyzed Sn <sub>0.97</sub> La <sub>0.03</sub> O <sub>2</sub> films. <i>Optical Materials</i> , 2022, 125, 112080.	3.6	4
110	Synthesis, Growth, and Characterization of Single-Crystal Benzo[e]indolium for Third-Order Nonlinear Optical Properties. <i>Journal of Electronic Materials</i> , 2022, 51, 3531-3541.	2.2	4
111	3-(4-Bromophenyl)-1-(4-nitrophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1466-o1468.	0.2	3
112	1-(4-Chlorophenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2991-o2992.	0.2	3
113	1-(4-Chlorophenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4448-o4449.	0.2	3
114	3,4-Dimethoxychalcone. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4646-o4647.	0.2	3
115	1,5-(4-Dichlorophenyl)-3-(2,5-dimethoxyphenyl)pentane-1,5-dione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o5024-o5026.	0.2	3
116	(2E)-1-(3-Bromophenyl)-3-(4-chlorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o1844-o1845.	0.2	3
117	1-(4-Bromophenyl)-3-(3-methyl-2-thienyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o2724-o2725.	0.2	3
118	1-(4-Bromophenyl)-3-(2-chloro-6-fluorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o3238-o3238.	0.2	3
119	4-Amino-3-[1-[4-(2-methylpropyl)phenyl]ethyl]-1H-1,2,4-triazole-5(4H)-thione. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1590-o1591.	0.2	3
120	Strong reverse saturable absorption and negative nonlinear refractive index in S and N co-doped GQDs at 532 nm CW laser. <i>Materials Letters</i> , 2019, 235, 19-22.	2.6	3
121	Novel nitro based chalcone derivative single crystals: characterization on structural, linear optical, thermal, and third-order nonlinear optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	3
122	phenyl]-1-(4methylphenyl)penta-2,4-dien-1-one crystal for second and third order nonlinear applications. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	1.5	3
123	(E)-3-(2-Chlorophenyl)-1-(4-chlorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1177-o1177.	0.2	3
124	(E)-1-(4-Bromophenyl)-3-(2-chlorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1464-o1464.	0.2	3
125	(E)-3-(4-Chlorophenyl)-1-(2,4-dichloro-5-fluorophenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o956-o957.	0.2	3
126	1-(4-Bromophenyl)-3-(2,5-dimethoxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1460-o1462.	0.2	2



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127	A cocrystal of 1-(4-chlorophenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one and 3-(3-chloro-4,5-dimethoxyphenyl)-1-(4-chlorophenyl)prop-2-en-1-one (0.95:0.05). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2611-o2613.	0.2	2
128	4-Fluorochalcone. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2897-o2899.	0.2	2
129	1-(4-Nitrophenyl)-3-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3957-o3958.	0.2	2
130	The 0.893/0.104/0.003 cocrystal of 1-(4-methylphenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one, 3-(3-chloro-4,5-dimethoxyphenyl)-1-(4-methylphenyl)prop-2-en-1-one and 3-(3,5-dichloro-4-methoxyphenyl)-1-(4-methylphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4650-o4652.	0.2	2
131	N-(2-Methoxyphenyl)thiourea. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o5692-o5693.	0.2	2
132	4-Methoxy-2-nitroaniline. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1039-o1040.	0.2	2
133	(2E)-1-(3-Bromophenyl)-3-phenylprop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2501-o2501.	0.2	2
134	S-Benzylthiuronium 3-nitrobenzenesulfonate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1195-o1196.	0.2	2
135	(E)-1-(4-Fluorophenyl)-3-(4-methylphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o935-o935.	0.2	2
136	(E)-1-(4-Chlorophenyl)-3-(4-methylphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1038-o1038.	0.2	2
137	(E)-3-(4-Chlorophenyl)-1-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1592-o1593.	0.2	2
138	Third order nonlinear optical properties of graphene quantum dots under continuous wavelength regime at 532 nm. AIP Conference Proceedings, 2018, , .	0.4	2
139	Zn doped CdO thin films with enhanced linear and third order nonlinear optical properties for optoelectronic applications. AIP Conference Proceedings, 2018, , .	0.4	2
140	Third-order nonlinear optical properties of three chlorinated thienyl chalcones derivatives: synthesis, structural determination and Hirshfeld surface analysis. Zeitschrift Fur Kristallographie - Crystalline Materials, 2019, 234, 685-696.	0.8	2
141	Structure and property relationship of methoxy substituted novel organic crystals for photonic applications. Materials Today: Proceedings, 2021, 35, 366-373.	1.8	2
142	Preparation, characterization and study on the nonlinear optical parameters of novel biphenyl-4-carbohydrazide derivative. Materials Today: Proceedings, 2021, 35, 478-482.	1.8	2
143	Target-to-substrate distance influenced linear and nonlinear optical properties of a-plane oriented ZnO:Al thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 22214-22231.	2.2	2
144	4-[(E)-2-Furylmethyleneamino]-3-phenyl-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1528-o1529.	0.2	2

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145	3-(2-Chloro-6-fluorophenyl)-1-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1720-o1721.	0.2	2
146	(E)-3-(2,4-Dichlorophenyl)-1-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1814-o1815.	0.2	2
147	(E)-1-(4-Aminophenyl)-3-(2-chlorophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2014-o2015.	0.2	2
148	2,5-Dimethoxybenzaldehyde thiosemicarbazone. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2276-o2276.	0.2	2
149	Ethyl 2-[(E)-4-(dimethylamino)benzylidenehydrazino]-5-nitrobenzoate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o2286-o2287.	0.2	2
150	1,4-Bis(fluoromethyl)benzene. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o459-o459.	0.2	2
151	(E)-3-(2-Chlorophenyl)-1-(2-furyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1467-o1467.	0.2	2
152	Structure Characterization, Spectroscopic investigation and Nonlinear Optical Study using Density Functional Theory of (E)-1-(4-Chlorophenyl)-3-(4-methylphenyl) prop-2-en-1-one. Asian Journal of Research in Chemistry, 2022, , 121-128.	1.0	2
153	1-Phenyl-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o890-o892.	0.2	1
154	1-(4-Chlorophenyl)-3-(2-furyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2261-o2262.	0.2	1
155	3-(2-Furyl)-1-(4-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2397-o2398.	0.2	1
156	1-(2,4-Dichlorophenyl)-3-(3,4-dimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2596-o2598.	0.2	1
157	3-(4-Bromophenyl)-1-(2,4-dichlorophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4380-o4381.	0.2	1
158	1-(4-Fluorophenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o54-o56.	0.2	1
159	3-(4-Chlorophenyl)-1-(3,4-dimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1783-o1784.	0.2	1
160	3-(3-Methoxyphenyl)-1-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1895-o1896.	0.2	1
161	3-(2,4-Dichlorophenyl)-1-(3,4-dimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1897-o1898.	0.2	1
162	1-(3,4-Dimethoxyphenyl)-3-[4-(dimethylamino)phenyl]prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3253-o3254.	0.2	1

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163	Ethyl 4-(2-bromo-5-fluorophenyl)-6-methyl-1-phenyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1526-o1527.	0.2	1
164	Third-order nonlinear optical properties of 1,3-bis(3,4-dimethoxyphenyl) prop-2-en-1-one under femtosecond laser pulses. AIP Conference Proceedings, 2018, , .	0.4	1
165	4-[(E)-2,6-Dichlorobenzylideneamino]-3-[1-[4-(2-methylpropyl)phenyl]ethyl]-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1503-o1504.	0.2	1
166	(E)-3-(2-Chlorophenyl)-1-(3-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1525-o1525.	0.2	1
167	2,3-Dibromo-1-(2,4-dichloro-5-fluorophenyl)-3-phenylpropan-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1039-o1039.	0.2	1
168	2-Bromo-1-(4-methylphenyl)-3-phenylprop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1559-o1559.	0.2	1
169	Evolution of physicochemical properties of 2-(2-(4-(4-chloro) phenyl) vinyl)-1, 1, 3-trimethyl-1H-benzo[e] Indolium iodide via experimental and quantum chemical calculation for third-harmonic generation applications. Journal of Molecular Structure, 2022, 1268, 133557.	3.6	1
170	3-(3-Bromophenyl)-1-phenylprop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o893-o895.	0.2	0
171	3-(4-Chlorophenyl)-1-(2,4-dichlorophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1463-o1465.	0.2	0
172	3-(2-Furyl)-1-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1526-o1528.	0.2	0
173	1-(2,4-Dichlorophenyl)-3-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1707-o1709.	0.2	0
174	1-(2,4-Dichlorophenyl)-3-(2-furyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2520-o2522.	0.2	0
175	1-(4-Chlorophenyl)-3-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3200-o3202.	0.2	0
176	1-(4-Methylphenyl)-3-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4648-o4649.	0.2	0
177	1-(2,4-Dichlorophenyl)-3-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4653-o4655.	0.2	0
178	N-(4-Methoxyphenyl)thiourea. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4693-o4694.	0.2	0
179	3-(2,4-Dichlorophenyl)-1-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o4773-o4774.	0.2	0
180	1-(4-Aminophenyl)-3-(4-chlorophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o5150-o5151.	0.2	0

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181	(2E)-3-(2,4-Dichlorophenyl)-1-(3-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1736-o1737.	0.2	0
182	(2E)-1-(3-Bromophenyl)-3-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1867-o1868.	0.2	0
183	1,3-Bis(3,4-dimethoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2613-o2613.	0.2	0
184	1-(3,4-Dimethoxyphenyl)-3-(4-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2503-o2503.	0.2	0
185	3-(2-Furyl)-1-(3-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o2693-o2693.	0.2	0
186	1-(3,4-Dimethoxyphenyl)-3-(3-methoxyphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3239-o3239.	0.2	0
187	<i>S</i> -Benzylthiuronium 4-anilinobenzenesulfonate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1858-o1859.	0.2	0
188	Solvents effect on photoluminescence of nitrogen incorporated graphene oxide using light emitting diode as an excitation source. AIP Conference Proceedings, 2018, . .	0.4	0
189	1-(2,4-Dichlorophenyl)-3-(4-methylphenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o936-o936.	0.2	0
190	(E)-3-(2-Chlorophenyl)-1-(2,4-dichlorophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1086-o1086.	0.2	0
191	(E)-3-(2-Chlorophenyl)-1-(4-nitrophenyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o958-o959.	0.2	0
192	(E)-3-(3,4-Dimethoxyphenyl)-1-(2-furyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1434-o1435.	0.2	0
193	(E)-3-(3,4-Dimethoxyphenyl)-1-(2-thienyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1440-o1440.	0.2	0
194	4-(4-Bromobenzylideneamino)-3-{1-[4-(2-methylpropyl)phenyl]ethyl}-1-(morpholinomethyl)-1H-1,2,4-triazole-5(4H)-thione. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1570-o1571.	0.2	0
195	(E)-3-(4-Chlorophenyl)-1-(2-furyl)prop-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1530-o1530.	0.2	0
196	3-Ethyl-6-{1-[4-(2-methylpropyl)phenyl]ethyl}-1,2,4-triazolo[3,4- <i>b</i> ][1,3,4]thiadiazole. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1838-o1839.	0.2	0
197	2-Bromo-1-(4-methylphenyl)-3-phenylprop-2-en-1-one. Corrigendum. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, e32-e32.	0.2	0
198	3-(2,4-Dichlorophenyl)-1,5-di-2-furylpentane-1,5-dione. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o336-o337.	0.2	0