

N Sekar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1229688/publications.pdf>

Version: 2024-02-01

291
papers

5,752
citations

94269

37
h-index

168136

53
g-index

298
all docs

298
docs citations

298
times ranked

4775
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic analysis and DFT calculations of a food additive Carmoisine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 654-662.	2.0	283
2	Design, synthesis, antimicrobial activity and computational studies of novel azo linked substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Computational Biology and Chemistry</i> , 2019, 78, 330-337.	1.1	98
3	Carbazole-Linked Near-Infrared Aza-BODIPY Dyes as Triplet Sensitizers and Photoacoustic Contrast Agents for Deep-Tissue Imaging. <i>Chemistry - A European Journal</i> , 2017, 23, 6570-6578.	1.7	83
4	Fluorescent azo disperse dyes from 3-(1,3-benzothiazol-2-yl)naphthalen-2-ol and comparison with 2-naphthol analogs. <i>Dyes and Pigments</i> , 2013, 96, 92-103.	2.0	81
5	Synthesis of New ESIPT-Fluorescein: Photophysics of pH Sensitivity and Fluorescence. <i>Journal of Physical Chemistry A</i> , 2012, 116, 536-545.	1.1	74
6	Synthesis and antimicrobial activity of novel 2-substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1125-S1130.	2.3	71
7	Novel pyrazino-phenanthroline based rigid donor-acceptor compounds: A detail study of optical properties, acidochromism, solvatochromism and structure-property relationship. <i>Dyes and Pigments</i> , 2017, 136, 31-45.	2.0	67
8	Metal complex dyes for dye-sensitized solar cells: Recent developments. <i>Resonance</i> , 2010, 15, 819-831.	0.2	64
9	The synthesis and photo-physical properties of extended styryl fluorescent derivatives of N-ethyl carbazole. <i>Dyes and Pigments</i> , 2011, 88, 378-384.	2.0	64
10	Red emitting solid state fluorescent triphenylamine dyes: Synthesis, photo-physical property and DFT study. <i>Dyes and Pigments</i> , 2013, 97, 429-439.	2.0	64
11	A new rhodamine based OFF-ON fluorescent chemosensors for selective detection of Hg ²⁺ and Al ³⁺ in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1196-1204.	4.0	64
12	FT-Raman, IR and UV-visible spectral investigations and <i>ab initio</i> computations of a nonlinear food dye amaranth. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 928-936.	1.2	59
13	Synthesis and Photo-Physical Characteristics of ESIPT Inspired 2-Substituted Benzimidazole, Benzoxazole and Benzothiazole Fluorescent Derivatives. <i>Journal of Fluorescence</i> , 2012, 22, 311-322.	1.3	59
14	Congeners of Pyrromethene-567 Dye: Perspectives from Synthesis, Photophysics, Photostability, Laser, and TD-DFT Theory. <i>Journal of Organic Chemistry</i> , 2015, 80, 6152-6164.	1.7	59
15	Linear correlation between DSSC efficiency, intramolecular charge transfer characteristics, and NLO properties – DFT approach. <i>Computational and Theoretical Chemistry</i> , 2018, 1138, 75-83.	1.1	56
16	Schiff base clubbed benzothiazole: synthesis, potent antimicrobial and MCF-7 anticancer activity, DNA cleavage and computational study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1-14.	2.0	55
17	Enhancement of NLO Properties in OBO Fluorophores Derived from Carbazole-Coumarin Chalcones Containing Carboxylic Acid at the <i>N</i> -Alyl Terminal End. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14313-14325.	1.5	54
18	Nonlinear optical properties of curcumin: solvatochromism-based approach and computational study. <i>Molecular Physics</i> , 2016, 114, 1867-1879.	0.8	51

#	ARTICLE	IF	CITATIONS
19	Photostable coumarin containing azo dyes with multifunctional property. <i>Dyes and Pigments</i> , 2019, 163, 692-699.	2.0	50
20	Benzothiazole pyrazole containing emissive azo dyes decorated with ESIPT core: Linear and non linear optical properties, Z scan, optical limiting, laser damage threshold with comparative DFT studies. <i>Journal of Molecular Structure</i> , 2020, 1203, 127401.	1.8	50
21	Indion 190 resin: efficient, environmentally friendly, and reusable catalyst for synthesis of benzimidazoles, benzoxazoles, and benzothiazoles. <i>Green Chemistry Letters and Reviews</i> , 2012, 5, 139-145.	2.1	49
22	Synthesis and combined experimental and computational investigations on spectroscopic and photophysical properties of red emitting 3-styryl coumarins. <i>Dyes and Pigments</i> , 2015, 119, 49-55.	2.0	47
23	Fluorescent difluoroboron-curcumin analogs: An investigation of the electronic structures and photophysical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 241-251.	2.0	47
24	Methoxy supported, deep red emitting mono, bis and tris triphenylamine-isophorone based styryl colorants: Synthesis, photophysical properties, ICT, TICT emission and viscosity sensitivity. <i>Dyes and Pigments</i> , 2017, 136, 116-130.	2.0	47
25	Aggregation induced emissive carbazole-based push pull NLOphores: Synthesis, photophysical properties and DFT studies. <i>Dyes and Pigments</i> , 2016, 124, 82-92.	2.0	46
26	Deep red emitting triphenylamine based coumarin-rhodamine hybrids with large Stokes shift and viscosity sensing: Synthesis, photophysical properties and DFT studies of their spirocyclic and open forms. <i>Dyes and Pigments</i> , 2017, 137, 329-341.	2.0	46
27	Synthesis, Photo-physical and DFT Studies of ESIPT Inspired Novel 2-(2,4-Dihydroxyphenyl) Benzimidazole, Benzoxazole and Benzothiazole. <i>Journal of Fluorescence</i> , 2013, 23, 1019-1029.	1.3	44
28	Triphenylamine derived coumarin chalcones and their red emitting OBO difluoride complexes: Synthesis, photophysical and NLO property study. <i>Dyes and Pigments</i> , 2018, 148, 474-491.	2.0	44
29	Red emitting NLOphoric 3-styryl coumarins: Experimental and computational studies. <i>Optical Materials</i> , 2016, 51, 121-127.	1.7	43
30	Triphenylamine and N-phenyl carbazole-based coumarin derivatives: Synthesis, solvatochromism, acidochromism, linear and nonlinear optical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 382, 111937.	2.0	43
31	ESIPT-inspired benzothiazole fluorescein: Photophysics of microenvironment pH and viscosity. <i>Dyes and Pigments</i> , 2013, 98, 507-517.	2.0	42
32	DFT based approach to photophysical properties. <i>Tetrahedron</i> , 2013, 69, 1767-1777.	1.0	41
33	Review of NLOphoric azo dyes – Developments in hyperpolarizabilities in last two decades. <i>Dyes and Pigments</i> , 2021, 191, 109367.	2.0	41
34	Novel pyrromethene dyes with N-ethyl carbazole at the meso position: a comprehensive photophysical, lasing, photostability and TD-DFT study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17221-17236.	1.3	40
35	Structure-efficiency relationship of newly synthesized 4-substituted donor-acceptor coumarins for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018, 42, 5267-5275.	1.4	40
36	Phosphomolybdic Acid: An Efficient and Recyclable Solid Acid Catalyst for the Synthesis of 4,4-(Arylmethylene)bis(1H-pyrazol-5-ols). <i>Synthetic Communications</i> , 2012, 42, 1349-1358.	1.1	38

#	ARTICLE	IF	CITATIONS
37	A comprehensive spectroscopic and computational investigation of intramolecular proton transfer in the excited states of 2-(2-hydroxyphenyl) benzoxazole and its derivatives. <i>Journal of Luminescence</i> , 2014, 146, 527-538.	1.5	38
38	Pyrazole based solid state emissive NLOphores with TICT characteristics: Synthesis, DFT and TDDFT studies. <i>Dyes and Pigments</i> , 2016, 126, 62-75.	2.0	38
39	Synthesis, spectroscopic characteristics, dyeing performance and TD-DFT study of quinolone based red emitting acid azo dyes. <i>Dyes and Pigments</i> , 2019, 168, 12-27.	2.0	38
40	Synthesis and characterization of novel yellow azo dyes from 2-morpholin-4-yl-1,3-thiazol-4(5H)-one and study of their azo-hydrazone tautomerism. <i>Dyes and Pigments</i> , 2013, 99, 291-298.	2.0	37
41	Red Emitting Coumarin Azo Dyes : Synthesis, Characterization, Linear and Non-linear Optical Properties-Experimental and Computational Approach. <i>Journal of Fluorescence</i> , 2016, 26, 1279-1293.	1.3	37
42	Spectroscopic, DFT and Z-scan supported investigation of dicyanoisophorone based push-pull NLOphoric styryl dyes. <i>Optical Materials</i> , 2017, 66, 494-511.	1.7	37
43	A new class of triphenylamine-based novel sensitizers for DSSCs: a comparative study of three different anchoring groups. <i>New Journal of Chemistry</i> , 2018, 42, 11555-11564.	1.4	37
44	Fluoroimmunoassay based on suppression of fluorescence self-quenching for ultra-sensitive detection of herbicide diuron. <i>Analytica Chimica Acta</i> , 2010, 676, 87-92.	2.6	36
45	Benzimidazole-thiazole based NLOphoric styryl dyes with solid state emission Synthesis, photophysical, hyperpolarizability and TD-DFT studies. <i>Dyes and Pigments</i> , 2016, 128, 111-123.	2.0	36
46	NLO properties of ester containing fluorescent carbazole based styryl dyes Consolidated spectroscopic and DFT approach. <i>Optical Materials</i> , 2018, 76, 191-209.	1.7	36
47	UV protective heterocyclic disperse azo dyes: Spectral properties, dyeing, potent antibacterial activity on dyed fabric and comparative computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117353.	2.0	36
48	Non-linear optical study of BODIPY-benzimidazole conjugate by solvatochromic, Z-scan and theoretical methods. <i>Optical Materials</i> , 2017, 64, 453-460.	1.7	35
49	Synthesis, bioactivities, DFT and in-silico appraisal of azo clubbed benzothiazole derivatives. <i>Journal of Molecular Structure</i> , 2019, 1192, 162-171.	1.8	35
50	Towards NIR-Active Hydroxybenzazole (HBX)-Based ESIPT Motifs: A Recent Research Trend. <i>ChemistrySelect</i> , 2020, 5, 2103-2113.	0.7	35
51	Rigid Coumarins: a Complete DFT, TD-DFT and Non Linear Optical Property Study. <i>Journal of Fluorescence</i> , 2015, 25, 1469-1480.	1.3	34
52	NLO properties of 1, 4-naphthoquinone, Juglone and Lawsone by DFT and Z-scan technique A detailed study. <i>Optical Materials</i> , 2017, 72, 549-558.	1.7	34
53	NLOphoric mono-azo dyes with negative solvatochromism and in-built ESIPT unit from ethyl 1,3-dihydroxy-2-naphthoate: Estimation of excited state dipole moment and pH study. <i>Dyes and Pigments</i> , 2017, 137, 384-394.	2.0	34
54	Pyrrole-thiazole based push-pull chromophores: An experimental and theoretical approach to structural, spectroscopic and NLO properties of the novel styryl dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 333, 1-17.	2.0	34

#	ARTICLE	IF	CITATIONS
55	Synthesis and computational study of coumarin thiophene-based D-π-A azo bridge colorants for DSSC and NLOphoric application. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112466.	2.0	34
56	Synthesis, optical properties, dyeing study of dihydropyrimidones (DHPMs) skeleton: Green and regioselectivity of novel Biginelli scaffold from Lawsone. <i>Fibers and Polymers</i> , 2015, 16, 2349-2358.	1.1	33
57	A Combined Experimental and DFT-TDDFT Study of the Excited-State Intramolecular Proton Transfer (ESIPT) of 2-(2-Hydroxyphenyl) Imidazole Derivatives. <i>Journal of Fluorescence</i> , 2013, 23, 839-851.	1.3	32
58	A combined experimental and TD-DFT investigation of three disperse azo dyes having the nitroterephthalate skeleton. <i>Dyes and Pigments</i> , 2014, 103, 25-33.	2.0	32
59	Coumarin Push-Pull NLOphores with Red Emission: Solvatochromic and Theoretical Approach. <i>Journal of Fluorescence</i> , 2016, 26, 949-962.	1.3	32
60	Red-emitting NLOphoric carbazole-coumarin hybrids - Synthesis, photophysical properties and DFT studies. <i>Dyes and Pigments</i> , 2016, 129, 174-185.	2.0	32
61	Efficient Synthesis of 3-Substituted 1,2,4-Triazolo[4,3-a]pyridine by [Bis(Trifluoroacetoxy)iodo]benzene-Catalyzed Oxidative Intramolecular Cyclization of Heterocyclic Hydrazones. <i>Synthetic Communications</i> , 2011, 41, 925-938.	1.1	31
62	PET governed fluorescence "Turn ON" BODIPY probe for selective detection of picric acid. <i>RSC Advances</i> , 2015, 5, 89482-89487.	1.7	31
63	Light fast monoazo dyes with an inbuilt photostabilizing unit: Synthesis and computational studies. <i>Fibers and Polymers</i> , 2016, 17, 349-357.	1.1	31
64	Photostability of Coumarin Laser Dyes - a Mechanistic Study Using Global and Local Reactivity Descriptors. <i>Journal of Fluorescence</i> , 2017, 27, 1101-1108.	1.3	31
65	Benzothiazole-pyridone and benzothiazole-pyrazole clubbed emissive azo dyes and dyeing application on polyester fabric: UPF, biological, photophysical and fastness properties with correlative computational assessments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118064.	2.0	31
66	Pyrazole based NLOphores: Synthesis, photophysical, DFT, TDDFT studies. <i>Dyes and Pigments</i> , 2016, 127, 116-127.	2.0	30
67	Tuning "Stokes Shift" and ICT Character by Varying the Donor Group in Imidazo[1,5-a]pyridines: A Combined Optical, DFT, TD-DFT and NLO Approach. <i>ChemistrySelect</i> , 2018, 3, 1635-1644.	0.7	30
68	Fluorescent acid azo dyes from 3-(1,3-benzothiazol-2-yl)naphthalen-2-ol and comparison with 2-naphthol analogs. <i>Dyes and Pigments</i> , 2013, 97, 32-42.	2.0	29
69	Masking and Demasking Strategies for the BF ₂ -BODIPYs as a Tool for BODIPY Fluorophores. <i>Journal of Organic Chemistry</i> , 2014, 79, 10981-10987.	1.7	29
70	ESIPT clubbed azo dyes as deep red emitting fluorescent molecular rotors: Photophysical properties, pH study, viscosity sensitivity, and DFT studies. <i>Journal of Luminescence</i> , 2019, 215, 116689.	1.5	29
71	Azo dyes with ESIPT core for textile applications and DFT study. <i>Dyes and Pigments</i> , 2019, 170, 107626.	2.0	27
72	Deep-red/NIR emitting coumarin derivatives - Synthesis, photophysical properties, and biological applications. <i>Dyes and Pigments</i> , 2022, 202, 110306.	2.0	27

#	ARTICLE	IF	CITATIONS
73	Acridine derivative as a "turn on" probe for selective detection of picric acid via PET deterrence. RSC Advances, 2016, 6, 84319-84325.	1.7	26
74	Carbazole-containing push-pull chromophore with viscosity and polarity sensitive emissions: Synthesis and photophysical properties. Dyes and Pigments, 2016, 129, 1-8.	2.0	26
75	An acac-BODIPY dye as a reversible "ON-OFF-ON" fluorescent sensor for Cu ²⁺ and S ²⁻ ions based on displacement approach. Journal of Luminescence, 2017, 190, 476-484.	1.5	26
76	Stimuli-responsive luminescent coumarin thiazole hybrid dye: Synthesis, aggregation induced emission, thermochromism and DFT study. Dyes and Pigments, 2017, 142, 121-125.	2.0	25
77	NLOphoric multichromophoric auxiliary methoxy aided triphenylamine D- π -A chromophores " Spectroscopic and computational studies. Optical Materials, 2017, 73, 602-616.	1.7	25
78	Novel blue-green emitting NLOphoric triphenylamine-imidazole based donor- π -acceptor compound: Solvatochromism, DFT, TD-DFT and non-linear optical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117421.	2.0	25
79	Fluorescent vinyl and styryl coumarins: A comprehensive DFT study of structural, electronic and NLO properties. Journal of Chemical Sciences, 2017, 129, 1829-1841.	0.7	24
80	Red emitting triphenylamine based rhodamine analogous with enhanced Stokes shift and viscosity sensitive emission. Dyes and Pigments, 2017, 138, 56-67.	2.0	24
81	Excitation energy transfer processes in BODIPY based donor-acceptor system - Synthesis, photophysics, NLO and DFT study. Optical Materials, 2018, 84, 795-806.	1.7	24
82	NIR-Emitting Boradiazaindacene Fluorophores -TD-DFT Studies on Electronic Structure and Photophysical Properties. Journal of Fluorescence, 2015, 25, 69-78.	1.3	23
83	Novel NLOphoric 2-methoxy carbazole-based push pull chromophores: Synthesis, photophysical properties and TD-DFT Study. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 63-71.	2.0	23
84	Modulating TICT to ICT characteristics of acid switchable red emitting boradiazaindacene chromophores: Perspectives from synthesis, photophysical, hyperpolarizability and TD-DFT studies. Dyes and Pigments, 2017, 136, 321-334.	2.0	23
85	Carbazole based NLOphoric styryl dyes- synthesis and study of photophysical properties by solvatochromism and viscosity sensitivity. Journal of Luminescence, 2018, 202, 212-224.	1.5	23
86	TDDFT Investigation of the Electronic Structures and Photophysical Properties of Fluorescent Extended Styryl Push-Pull Chromophores Containing Carbazole Unit. Journal of Fluorescence, 2013, 23, 1121-1138.	1.3	22
87	Synthesis of novel dipodal-benzimidazole, benzoxazole and benzothiazole from cyanuric chloride: Structural, photophysical and antimicrobial studies. Journal of Saudi Chemical Society, 2014, 18, 262-268.	2.4	22
88	Push-pull fluorophores with viscosity dependent and aggregation induced emissions insensitive to polarity. Dyes and Pigments, 2015, 122, 359-367.	2.0	22
89	Investigating the excited state optical properties and origin of large stokes shift in Benz[c,d]indole N-Heteroarene BF ₂ dyes with ab initio tools. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 472-480.	1.7	22
90	Multi- π -Dentate Carbazole Based Schiff Base Dyes with Chlorovinylene Group in Spacer for Dye-Sensitized Solar Cells: A Combined Theoretical and Experimental Study.. ChemistrySelect, 2019, 4, 4044-4056.	0.7	22

#	ARTICLE	IF	CITATIONS
91	Charge transfer and nonlinear optical properties of anthraquinone D- π -A dyes in relation with the DFT based molecular descriptors and perturbational potential. Computational and Theoretical Chemistry, 2020, 1174, 112712.	1.1	22
92	Quantum chemical computations and Fourier transform infrared spectral studies of a nonlinear food dye E110. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 82-90.	2.0	21
93	Triphenylamine-Based Fluorescent Styryl Dyes: DFT, TD-DFT and Non-Linear Optical Property Study. Journal of Fluorescence, 2017, 27, 993-1007.	1.3	21
94	Effect of structural manipulation in hetero-tri-aryl amine donor-based D π -A sensitizers in dye-sensitized solar cells. New Journal of Chemistry, 2018, 42, 4361-4371.	1.4	21
95	Novel Aza-BODIPY based turn on selective and sensitive probe for on-site visual detection of bivalent copper ions. Dyes and Pigments, 2019, 171, 107684.	2.0	21
96	Theoretical Investigation of Optical and Nonlinear Optical (NLO) Properties of 3 π -Azabenzanthrone Analogues : DFT and TD π -DFT Approach.. ChemistrySelect, 2019, 4, 10033-10045.	0.7	21
97	Rhodanine-3-acetic acid containing D- π -A push-pull chromophores: Effect of methoxy group on the performance of dye-sensitized solar cells. Organic Electronics, 2019, 65, 386-393.	1.4	21
98	Highly sensitive and selective chemosensors for Cu ²⁺ and Al ³⁺ based on photoinduced electron transfer (PET) mechanism. RSC Advances, 2015, 5, 27282-27289.	1.7	20
99	Red and near-infrared emitting bis-coumarin analogues based on curcumin framework-synthesis and photophysical studies. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 327, 58-70.	2.0	20
100	A Lawsone π -DAMN based colorimetric chemosensor for rapid naked-eye detection of mercury(II). New Journal of Chemistry, 2016, 40, 6803-6811.	1.4	20
101	Solvatochromic benzo[h] coumarins: Synthesis, solvatochromism, NLO and DFT study. Optical Materials, 2017, 72, 346-358.	1.7	20
102	Highly fluorescent blue-green emitting phenanthroimidazole derivatives: Detail experimental and DFT study of structural and donating group effects on fluorescence properties. Dyes and Pigments, 2018, 159, 209-221.	2.0	20
103	Multi-stimuli responsive emissive NLOphoric colorants π -A recent trend in research. Dyes and Pigments, 2019, 163, 675-683.	2.0	20
104	A New Series of Highly Fluorescent Blue-Green Emitting, Imidazole-Based ICT-ESIPT Compounds: Detail Experimental and DFT Study of Structural and Donating Group Effects on Fluorescence Properties. ChemistrySelect, 2017, 2, 7691-7700.	0.7	19
105	NIR emitting new N, N-diethylaniline based NLOphoric D- π -A and D-A π -A dyes: Photophysical properties, viscosity sensitivity and DFT studies. Journal of Luminescence, 2018, 204, 436-447.	1.5	19
106	Synthesis and photo-physical properties of fluorescent 1,3,5-triazine styryl derivatives. Chemistry Central Journal, 2011, 5, 77.	2.6	18
107	Novel Iminocoumarin Derivatives: Synthesis, Spectroscopic and Computational Studies. Journal of Fluorescence, 2015, 25, 1615-1628.	1.3	18
108	NLOphoric Red Emitting Bis Coumarins with O-BF ₂ -O core - Synthesis, Photophysical Properties and DFT Studies. Journal of Fluorescence, 2016, 26, 471-486.	1.3	18

#	ARTICLE	IF	CITATIONS
109	Electronic structure and spectral properties of indole based fluorescent styryl dyes: Comprehensive study on linear and non-linear optical properties by DFT/TDDFT method. Computational and Theoretical Chemistry, 2018, 1139, 90-101.	1.1	18
110	Near IR emitting novel rhodanine-3-acetic acid based two donor-acceptor sensitizers for DSSC: Synthesis and application. Dyes and Pigments, 2019, 165, 391-399.	2.0	18
111	Spectroscopic, DFT and Z-scan approach to study linear and nonlinear optical properties of Disperse Red 277. Optical Materials, 2020, 99, 109536.	1.7	18
112	Fluorescent meso-benzyl curcuminoid boron complex: Synthesis, photophysics, DFT and NLO study. Optical Materials, 2018, 84, 786-794.	1.7	17
113	Effect of donor modification on the photo-physical and photo-voltaic properties of N-alkyl/aryl amine based chromophores. New Journal of Chemistry, 2019, 43, 8970-8981.	1.4	17
114	Design and Synthesis of Coumarin-Imidazole Hybrid Chromophores: Solvatochromism, Acidochromism and Nonlinear Optical Properties. Photochemistry and Photobiology, 2019, 95, 740-754.	1.3	17
115	Experimental and theoretical investigation of linear and nonlinear optical properties of ethylhydroxy naphthoate azo dyes by solvatochromic, computational aspects, and Z-scan technique. Journal of Physical Organic Chemistry, 2020, 33, e4050.	0.9	17
116	Synthesis, photophysical property study of novel fluorescent 4-(1,3-benzoxazol-2-yl)-2-phenylnaphtho[1,2-d][1,3]oxazole derivatives and their antimicrobial activity. Journal of Chemical Sciences, 2013, 125, 141-151.	0.7	16
117	2-Methyl-4-oxo-N-(4-oxo-2-phenyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (substituted-1,3-thiazolidin-3-yl)-3,4-dihydroquinolin-2(1H)-one Whitening Agents: Synthesis and Photophysical Characterization. Journal of Fluorescence, 2014, 24, 1077-1086.	1.3	16
118	Disperse styryl and azo dyes for polyester and nylon fibre: Synthesis, optical properties having the 1,2,4-triketone naphthoquinone skeleton. Fibers and Polymers, 2015, 16, 1068-1074.	1.1	16
119	N-2-Aryl-1,2,3-Triazoles: A Novel Class of Blue Emitting Fluorophores-Synthesis, Photophysical Properties Study and DFT Computations. Journal of Fluorescence, 2015, 25, 985-996.	1.3	16
120	Synthesis, Characterization, and Antibacterial Activity of Novel (1H-benzotriazol-2-yl)acetyl(diethylamino)oxanthene, Phenoxazine, and Oxazine. Journal of Heterocyclic Chemistry, 2015, 52, 124-129.	1.4	16
121	NLOphoric and solid state emissive BODIPY dyes containing N-phenylcarbazole core at meso position Synthesis, photophysical properties of and DFT studies. Journal of Luminescence, 2016, 179, 420-428.	1.5	16
122	Solvent-Driven Conformational Exchange for Amide-Linked Bichromophoric BODIPY Derivatives. Chemistry - A European Journal, 2016, 22, 14356-14366.	1.7	16
123	Benzophenone based fluorophore for selective detection of Sn ²⁺ ion: Experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 174, 291-296.	2.0	16
124	Coumarin-Rhodamine Hybrids Novel Probes for the Optical Measurement of Viscosity and Polarity. Journal of Fluorescence, 2017, 27, 1949-1956.	1.3	16
125	Viscosity induced emission of red-emitting NLOphoric coumarin morpholine-thiazole hybrid styryl dyes as FMRs: Consolidated experimental and theoretical approach. Optical Materials, 2018, 79, 90-107.	1.7	16
126	Triphenyl borate catalyzed synthesis of amides from carboxylic acids and amines. Tetrahedron, 2018, 74, 6954-6958.	1.0	16

#	ARTICLE	IF	CITATIONS
127	Red emitting coumarin based 4, 6-disubstituted-3-cyano-2-pyridones dyes – Synthesis, solvatochromism, linear and non-linear optical properties. <i>Journal of Molecular Liquids</i> , 2019, 276, 385-398.	2.3	16
128	Red Emitting Coumarins: Insights of Photophysical Properties with DFT Methods. <i>Journal of Fluorescence</i> , 2015, 25, 1117-1126.	1.3	15
129	Environment-sensitive benzoxazole based fluorescein derivatives: Synthesis and application to the design of ON–OFF fluorescent chemosensors for microenvironment. <i>Journal of Luminescence</i> , 2015, 158, 243-251.	1.5	15
130	Coumarin-Pyrazole Hybrid with Red Shifted ESIPT Emission and AIE Characteristics - a Comprehensive Study. <i>Journal of Fluorescence</i> , 2017, 27, 1687-1707.	1.3	15
131	Proton Induced Modulation of ICT and PET Processes in an Imidazo-phenanthroline Based BODIPY Fluorophores. <i>Journal of Fluorescence</i> , 2017, 27, 2313-2322.	1.3	15
132	Low cost and efficient hetero-anthracene based small organic hole transporting materials for solid state photoelectrochemical cells. <i>Materials Today Energy</i> , 2018, 9, 496-505.	2.5	15
133	Non-linear optical response of meso hybrid BODIPY: Synthesis, photophysical, DFT and Z scan study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 126-140.	2.0	15
134	Fluorescent 7-Substituted Coumarin Dyes: Solvatochromism and NLO Studies. <i>Journal of Fluorescence</i> , 2019, 29, 121-135.	1.3	15
135	Intrinsic catalytic activity of an acidic ionic liquid as a solvent for quinazoline synthesis. <i>Catalysis Science and Technology</i> , 2012, 2, 1681.	2.1	14
136	Fluorescent Coumarin Derivatives with Viscosity Sensitive Emission - Synthesis, Photophysical Properties and Computational Studies. <i>Journal of Fluorescence</i> , 2014, 24, 1263-1274.	1.3	14
137	Photophysical properties of ESIPT inspired fluorescent 2-(2-hydroxyphenyl)-6-methylimidazo[4,5-f]isoindole-5,7(1H,6H)-dione and its derivative: Experimental and DFT based approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 457-465.	2.0	14
138	Resonance induced proton transfer leading to NIR emission in coumarin thiazole hybrid dyes: Synthesis and DFT insights. <i>Tetrahedron Letters</i> , 2016, 57, 4174-4177.	0.7	14
139	A new type of triphenylamine based coumarin–rhodamine hybrid compound: synthesis, photophysical properties, viscosity sensitivity and energy transfer. <i>RSC Advances</i> , 2016, 6, 105387-105397.	1.7	14
140	AIE Based Coumarin Chromophore - Evaluation and Correlation Between Solvatochromism and Solvent Polarity Parameters. <i>Journal of Fluorescence</i> , 2016, 26, 497-511.	1.3	14
141	Coumarin–Rhodamine Hybrids – Synthesis, Photophysical Properties, NLO Properties and DFT Studies. <i>ChemistrySelect</i> , 2017, 2, 1464-1478.	0.7	14
142	Large Stokes Shifted Far–Red to NIR–Emitting D–E–A Coumarins: Combined Synthesis, Experimental, and Computational Investigation of Spectroscopic and Non–Linear Optical Properties. <i>ChemistrySelect</i> , 2018, 3, 4393-4405.	0.7	14
143	Bedford-Type Palladacycle-Catalyzed Miyaura Borylation of Aryl Halides with Tetrahydroxydiboron in Water. <i>Journal of Organic Chemistry</i> , 2018, 83, 1842-1851.	1.7	14
144	NLOphoric rigid pyrazino-phenanthroline donor–acceptor compounds: Investigation of structural and solvent effects on non-linear optical properties using computational methods. <i>Optical Materials</i> , 2018, 75, 379-389.	1.7	14

#	ARTICLE	IF	CITATIONS
145	Synthesis of novel colorants for DSSC to study effect of alkyl chain length alteration of auxiliary donor on light to current conversion efficiency. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 119-129.	2.0	14
146	Z-scan and DFT approach for investigating the NLO properties of imidazole fused anthraquinone dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 390, 112327.	2.0	14
147	Synthesis of nanodispersible 6-aryl-2,4-diamino-1,3,5-triazine and its derivatives. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 170, 77-87.	1.7	13
148	Intrinsic catalytic activity of Brønsted acid ionic liquids for the synthesis of triphenylmethane and phthalein under microwave irradiation. <i>RSC Advances</i> , 2012, 2, 12112.	1.7	13
149	DFT Studies of the Photophysical Properties of Fluorescent and Semiconductor Polycyclic Benzimidazole Derivatives. <i>Journal of Fluorescence</i> , 2015, 25, 685-694.	1.3	13
150	NLOphoric studies in thiazole containing symmetrical push-pull fluorophores – Combined experimental and DFT approach. <i>Optical Materials</i> , 2015, 48, 271-280.	1.7	13
151	Solvatochromism, halochromism, and azo-hydrazone tautomerism in novel V-shaped azoazine colorants – consolidated experimental and computational approach. <i>Coloration Technology</i> , 2016, 132, 387-398.	0.7	13
152	Aggregation induced emissive and NLOphoric coumarin thiazole hybrid dyes: Synthesis, photophysics and TD-DFT studies. <i>Journal of Luminescence</i> , 2017, 188, 38-53.	1.5	13
153	Enhanced NLO response in BODIPY-coumarin hybrids: density functional theory approach. <i>Journal of Chemical Sciences</i> , 2017, 129, 1349-1361.	0.7	13
154	Fluorescent carbazole based pyridone dyes – Synthesis, solvatochromism, linear and nonlinear optical properties. <i>Optical Materials</i> , 2018, 85, 308-318.	1.7	13
155	Viscosity-active D-π-A chromophores derived from benzo[b]thiophen-3(2H)-one 1,1-dioxide (BTD): Synthesis, photophysical, and NLO properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 244-257.	2.0	13
156	ESIPT-rhodol derivatives with enhanced Stokes shift: Synthesis, photophysical properties, viscosity sensitivity and DFT studies. <i>Journal of Molecular Liquids</i> , 2019, 294, 111626.	2.3	13
157	Influence of thiophene spacer and auxiliary acceptor on the optical properties of 4-(Diethylamino)-2-hydroxybenzaldehyde based D-π-A-π-D Colorants with N-alkyl donors: Experimental, DFT and Z-scan study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 373, 45-58.	2.0	13
158	NLO characteristics of D-π-A coumarin-thiophene bridged azo dyes by Z-scan and DFT methods. <i>Molecular Physics</i> , 2020, 118, e1662127.	0.8	13
159	Photophysical properties of Schiff's bases from 3-(1,3-benzothiazol-2-yl)-2-hydroxy naphthalene-1-carbaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 678-686.	2.0	12
160	Excited-state intramolecular proton transfer (ESIPT) inspired azole-quinoline based fluorophores: Synthesis and photophysical properties study. <i>Journal of Luminescence</i> , 2014, 155, 58-64.	1.5	12
161	Phenazine Fused Benzo Coumarins with Negative Solvatochromism and Positive Solvatochromic Emission - Synthesis, Photo Physical Properties, DFT and TDDFT Studies. <i>Journal of Fluorescence</i> , 2015, 25, 675-684.	1.3	12
162	Fluorescent pyridopyrimidine fused pyranones - design, synthesis, fluorescent whitening and DFT studies. <i>Journal of Luminescence</i> , 2018, 194, 248-256.	1.5	12

#	ARTICLE	IF	CITATIONS
163	Water promoted allylic nucleophilic substitution reactions of (<i>E</i>)-1,3 diphenylallyl acetate. <i>Green Chemistry</i> , 2018, 20, 425-430.	4.6	12
164	Fluorescent Benzocoumarin- π -Extended Styryl Hybrids: Solvatochromism, Excess Dipole Moment, NLO Properties and DFT Study. <i>Journal of Fluorescence</i> , 2018, 28, 293-309.	1.3	12
165	Viscosity sensitive fluorescent coumarin-carbazole chalcones and their BF ₂ complexes containing carboxylic acid π Synthesis and solvatochromism. <i>Journal of Molecular Liquids</i> , 2018, 264, 358-366.	2.3	12
166	4-(Diethylamino) salicylaldehyde based fluorescent Salen ligand with red-shifted emission π A facile synthesis and DFT investigation. <i>Journal of Luminescence</i> , 2018, 204, 354-367.	1.5	12
167	Multifunctional properties of benzophenone based acid dyes: Synthesis, spectral properties and computational study. <i>Dyes and Pigments</i> , 2020, 180, 108420.	2.0	12
168	Synthesis of Novel Carbazole Fused Coumarin Derivatives and DFT Approach to Study Their Photophysical Properties. <i>Journal of Fluorescence</i> , 2014, 24, 1503-1518.	1.3	11
169	Indole-Based NLOphoric Donor- π -Acceptor Styryl Dyes: Synthesis, Spectral Properties and Computational Studies. <i>Journal of Fluorescence</i> , 2016, 26, 2063-2077.	1.3	11
170	Triphenylamine-based fluorescent NLO phores with ICT characteristics: Solvatochromic and theoretical study. <i>Journal of Molecular Structure</i> , 2017, 1150, 493-506.	1.8	11
171	Spectroscopic and DFT approach for structure property relationship of red emitting rhodamine analogues: A study of linear and nonlinear optical properties. <i>Computational and Theoretical Chemistry</i> , 2018, 1131, 1-12.	1.1	11
172	<sc>NLO</sc>phoric Triphenylamine Derived Donor π Acceptor π Donor Based Colorants: Synthesis, Spectroscopic, Density Functional Theory and Z-scan Studies. <i>Photochemistry and Photobiology</i> , 2019, 95, 931-945.	1.3	11
173	NLOphoric benzyl substituted BODIPY and BOPHY: A comprehensive linear and nonlinear optical study by spectroscopic, DFT and Z-scan measurement. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 122-129.	2.0	11
174	Synthesis and Antimicrobial Activities of Novel 2-substituted-1-H-pyrazol-4-yl Benzothiazoles, Benzoxazoles, and Benzimidazoles. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1347-1355.	1.4	10
175	Comprehensive DFT and TD-DFT Studies on the Photophysical Properties of 5,6-Dichloro-1,3-Bis(2-Pyridylimino)-4,7-Dihydroxyisoindole: A New Class of ESIPT Fluorophore. <i>Journal of Fluorescence</i> , 2016, 26, 1805-1812.	1.3	10
176	Acridine-1, 8-diones π A new class of thermally stable NLOphores: Photophysical, (hyper)polarizability and TD-DFT studies. <i>Optical Materials</i> , 2016, 62, 306-319.	1.7	10
177	Synthesis of Novel Thiazole Based Carbaldehyde as Potential Sensor for Fluoride Anion and their Spectroscopic Properties. <i>Journal of Fluorescence</i> , 2017, 27, 1117-1128.	1.3	10
178	Triphenylamine-Based Bis- and Tris-ESIPT Compounds and Their Boron Complexes: Synthesis, Photophysical Properties and DFT Study of ICT and ESIPT Emissions. <i>ChemistrySelect</i> , 2017, 2, 5013-5024.	0.7	10
179	2-(1,1-dioxidobenzo[b]thiophen-3(2H)-ylidene)malononitrile (BTD) Based Styryl Chromophores π Solvatochromic and Computational Investigation of Linear and NLO properties. <i>ChemistrySelect</i> , 2018, 3, 13654-13664.	0.7	10
180	Pyrene Based NLOphoric D π A π C π C π D Coumarin-Chalcone and Their Red Emitting OBO Difluoride Complex: Synthesis, Solvatochromism, Z-scan, and Detailed TD-DFT Studies. <i>ChemistrySelect</i> , 2019, 4, 10385-10400.	0.7	10

#	ARTICLE	IF	CITATIONS
181	Viscosity sensitive red shifted novel D-π-A carbazole chromophore with chlorine in π-spacer: Synthesis, photophysical properties, NLO study and DFT approach. <i>Journal of Luminescence</i> , 2019, 211, 162-175.	1.5	10
182	Molecular and NLO Properties of Red Fluorescent Coumarins – DFT Computations Using Long-Range Separated and Conventional Functionals. <i>Journal of Fluorescence</i> , 2019, 29, 241-253.	1.3	10
183	Red Emitting Hydroxybenzazole (HBX) Based Azo Dyes: Linear and Non Linear Optical Properties, Optical Limiting, Z Scan Analysis with DFT Assessments. <i>Journal of Fluorescence</i> , 2020, 30, 335-346.	1.3	10
184	A combined theoretical and experimental investigation on the solvatochromism of ESIPT3-(1,3-benzothiazol-2-yl)-2-hydroxynaphthalene-1-carbaldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 16-24.	2.0	9
185	Synthesis of novel styryl derivatives from 4-chloro-2-(morpholin-4-yl)-1,3-thiazole-5-carbaldehyde, study of their photophysical properties and TD-DFT computations. <i>Journal of Luminescence</i> , 2014, 150, 8-18.	1.5	9
186	Excited state intramolecular proton transfer of 2-(2,6-dihydroxyphenyl)benzoxazole: Insights using computational methods. <i>Journal of Luminescence</i> , 2014, 154, 267-273.	1.5	9
187	Phenalenone Fluorophores-Synthesis, Photophysical Properties and DFT Study. <i>Journal of Fluorescence</i> , 2014, 24, 1827-1840.	1.3	9
188	N-2-Aryl-1,2,3-Triazoles: A novel class of blue-green emitting fluorophores-synthesis, photophysical properties study and dft computations. <i>Journal of Luminescence</i> , 2015, 168, 114-123.	1.5	9
189	Chemiluminescence properties of luminol related o-hydroxybenzimidazole analogues: Experimental and DFT based approach to photophysical properties. <i>Dyes and Pigments</i> , 2015, 113, 189-199.	2.0	9
190	Novel Rhodafluors: Synthesis, Photophysical, pH and TD-DFT Studies. <i>Journal of Fluorescence</i> , 2016, 26, 2187-2197.	1.3	9
191	Nonlinear Optical Properties of Pyrene Based Fluorescent Hemicurcuminoid and their BF ₂ Complexes – Spectroscopic and DFT Studies. <i>Journal of Fluorescence</i> , 2017, 27, 1777-1792.	1.3	9
192	Substituent Modulation from ESIPT to ICT Emission in Benzoimidazolphenyl-methanones Derivatives: Synthesis, Photophysical and DFT Study. <i>Journal of Solution Chemistry</i> , 2017, 46, 777-797.	0.6	9
193	NLOphoric donor-rigidified ESIPT dyes – Synthesis, pH study, solvatochromism and DFT insights. <i>Journal of Luminescence</i> , 2017, 192, 343-358.	1.5	9
194	Aqueous protocol for allylic arylation of cinnamyl acetates with sodium tetraphenylborate using a Bedford-type palladacycle catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 6210-6214.	1.4	9
195	D-π-A-π-D coumarin hybrids derived from arylamine donors: DFT and Z-scan studies. <i>Optical Materials</i> , 2019, 92, 100-110.	1.7	9
196	Non-Linear Optical Properties of Disperse Blue 354 and Disperse Blue183 by DFT and Z-Scan Technique. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 1531-1548.	1.4	9
197	Near Infrared absorbing iron-complexed colorants for photovoltaic applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 168, 259-262.	1.7	8
198	Direct dyes. , 2011, , 425-445.		8

#	ARTICLE	IF	CITATIONS
199	Chemiluminescence properties of isoluminol related mono azo disperse dyes: Experimental and DFT based approach to photophysical properties. <i>Dyes and Pigments</i> , 2015, 115, 127-134.	2.0	8
200	Pigment Yellow 101 analogs from 3-(1,3-benzothiazol-2-yl)-2-hydroxynaphthalene-1-carbaldehyde "Synthesis and characterization. <i>Dyes and Pigments</i> , 2015, 123, 274-284.	2.0	8
201	Carbazole-Based Mono and Bis-styryl NLOphores: Structure Property Correlations. <i>Journal of Solution Chemistry</i> , 2017, 46, 2109-2129.	0.6	8
202	Novel Thiazole Based Styryl Dyes with Benzimidazole Unit - Synthesis, Photophysical and TD-DFT Studies. <i>Journal of Fluorescence</i> , 2017, 27, 167-180.	1.3	8
203	Modulation of the Photophysical Properties of \hat{I}^2 -substituted BODIPY Dyes. <i>Journal of Fluorescence</i> , 2018, 28, 381-392.	1.3	8
204	Azo Acid Dyes Based on 2H-Pyrido[1,2-a]Pyrimidine-2,4(3H)-Dione with Good Tinctorial Power and Wetfastness - Synthesis, Photophysical Properties, and Dyeing Studies. <i>Fibers and Polymers</i> , 2018, 19, 1678-1686.	1.1	8
205	Highly Stoke shifted near infrared (NIR) emitting donor-pi-acceptor chromophore: Synthesis and combined experimental and computational studies of photophysical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 363, 13-22.	2.0	8
206	Nonlinear Optical Chromophores with Aggregation Induced Emission Enhancement Based on 2-N,N-Dibutylamino-4-Phenyl Thiazole with FMR Characteristics. <i>Journal of Fluorescence</i> , 2019, 29, 61-73.	1.3	8
207	Synthesis, photophysical, viscosity and DFT study of solid state fluorescent molecular rotors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 371, 223-237.	2.0	8
208	Studies on the use of 7-Amino-3-(4-aminophenyl)quinoline as a benzidine substitute. <i>Dyes and Pigments</i> , 1986, 7, 457-465.	2.0	7
209	Synthesis and characterization of novel 2, 2'-bipyrimidine fluorescent derivative for protein binding. <i>Chemistry Central Journal</i> , 2011, 5, 72.	2.6	7
210	Fluorescent Styryl Dyes from 4-Chloro-2-(Diphenylamino)-1, 3-Thiazole-5-Carbaldehyde"Synthesis, Optical Properties and TDDFT Computations. <i>Journal of Fluorescence</i> , 2015, 25, 1787-1800.	1.3	7
211	Novel 2H-pyran-3-carbonitrile dyes "Synthesis, solvatochromism study, and DFT, TD-DFT computations. <i>Journal of Luminescence</i> , 2016, 176, 298-308.	1.5	7
212	Novel low-molecular weight styryl dyes based on 2-chloroimidazo[1,2-a]pyridine-3-carbaldehyde "Synthesis and fluorescent molecular rotor studies. <i>Journal of Luminescence</i> , 2017, 190, 289-297.	1.5	7
213	Phenylpyran-fused coumarin novel derivatives: combined photophysical and theoretical study on structural modification for PET-inhibited ICT emission. <i>Structural Chemistry</i> , 2018, 29, 217-230.	1.0	7
214	Yellow-red emitting, methoxy substituted triphenylamine-based styryl derivatives: Synthesis, photophysical properties, viscosity sensitivity, aggregation induced emission, NLO properties, and DFT study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 384, 112027.	2.0	7
215	Influence of acceptors in NLOphoric acenaphthene and morpholine-thiourea hybrid dyes: Photophysical, viscosity, DFT and Z-Scan study. <i>Optical Materials</i> , 2019, 89, 178-190.	1.7	7
216	NLO"Phoric Emissive Quinoxaline Analog of Quinoline Yellow 54"and Z"Scan Studies. <i>ChemistrySelect</i> , 2019, 4, 3752-3761.	0.7	7

#	ARTICLE	IF	CITATIONS
217	Coumarin and Hydroxyl Decorated Viscosity Sensitive Triphenylamine Derivatives: Synthesis, Photophysical Properties, Viscosity Sensitivity, TD-DFT, and NLO Properties. <i>ChemistrySelect</i> , 2019, 4, 12512-12523.	0.7	7
218	NLOphoric imidazole-fused fluorescent anthraquinone dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119017.	2.0	7
219	Acid dyes. , 2011, , 486-514.		6
220	TD-DFT Study of Excited-State Intramolecular Proton Transfer (ESIPT) of 2-(1,3-benzothiazol-2-yl)-5-(N,N-diethylamino)Phenol with Benzoxazole and Benzimidazole Analogues. <i>Procedia Computer Science</i> , 2013, 18, 797-805.	1.2	6
221	Novel Twisted Intramolecular Charge Transfer (TICT) Extended Fluorescent Styryl Derivatives Containing Quinoline Electron Releasing Moiety. <i>Journal of Fluorescence</i> , 2014, 24, 1811-1825.	1.3	6
222	Novel Fluorescent Phenazines : Synthesis, Characterization, Photophysical Properties and DFT Calculations. <i>Journal of Fluorescence</i> , 2015, 25, 1403-1415.	1.3	6
223	Novel triphenylamine based rhodamine derivatives: synthesis, characterization, photophysical properties and viscosity sensitivity. <i>RSC Advances</i> , 2016, 6, 100271-100280.	1.7	6
224	Synthesis and optical response to acids and bases of a new styryl dihydro-benzo[a]phenazine chromophores. <i>Tetrahedron</i> , 2016, 72, 7968-7974.	1.0	6
225	NLOphoric 3,6-di(substituted quinoxalin) Carbazoles – Synthesis, Photophysical Properties and DFT Studies. <i>Journal of Fluorescence</i> , 2017, 27, 1531-1540.	1.3	6
226	Auxiliary Methoxy Aided Triphenylamine and Dicyanoisophorone Based Fluorophores with Viscosity and Polarity Sensitive Intramolecular Charge Transfer. <i>Journal of Solution Chemistry</i> , 2018, 47, 353-372.	0.6	6
227	Excited State and Non-linear Optical Properties of NIR Absorbing β -Thiophene-Fused BF ₂ -Azadipyrromethene Dyes – Computational Investigation. <i>Journal of Fluorescence</i> , 2018, 28, 243-250.	1.3	6
228	Chlorine (Cl) - Substituted Carbazole Based A-D-a Push-Pull Chromophores as Aggregation Enhanced Emission (AEE) Active Viscosity Sensors: Synthesis, DFT and NLO Approach. <i>Journal of Fluorescence</i> , 2019, 29, 779-795.	1.3	6
229	Synthesis of red emitting triphenylamine derived NLOphoric D-A molecules: photophysical, and viscosity sensing studies. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	6
230	Auxiliary hydroxy-phenanthro [9, 10-d] imidazole supported NLOphoric triphenylamine based donor-pi-acceptor compounds: Synthesis, solvatochromism and computational aspects. <i>Journal of Luminescence</i> , 2020, 219, 116902.	1.5	6
231	Synthesis, Characterization, and Dyeing Performance of UV Protective Mono Azo Acid Dyes Based on 4-Hydroxybenzophenone. <i>AATCC Journal of Research</i> , 2020, 7, 19-26.	0.3	6
232	Synthesis of Novel Fluorescent 2-{4-[1-(Pyridine-2-yl)-1H-pyrazol-3-yl] phenyl}-2H-naphtho [1,2-d] [1,2,3] triazolyl Derivatives and Evaluation of Their Thermal and Photophysical Properties. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 809-813.	1.4	5
233	Fluorescent Styryl Dyes Based on Novel 4-Methoxy-9-Methyl-9H-Carbazole-3-Carbaldehyde – Synthesis, Photophysical Properties and DFT Computations. <i>Journal of Fluorescence</i> , 2014, 24, 1087-1098.	1.3	5
234	NLOphoric Carbazole-Containing Push-Pull Extended Styryl Chromophores: Study of Photophysical Properties by Solvatochromic and DFT Method. <i>Journal of Fluorescence</i> , 2016, 26, 1261-1270.	1.3	5

#	ARTICLE	IF	CITATIONS
235	NIR-emitting quinone-fused coumarin dyes: aqueous mediated, catalyst free synthesis and their optical properties. <i>Tetrahedron Letters</i> , 2016, 57, 3100-3104.	0.7	5
236	Benzocoumarin-Styryl Hybrids: Aggregation and Viscosity Induced Emission Enhancement. <i>Journal of Fluorescence</i> , 2017, 27, 1747-1758.	1.3	5
237	Fluorescent NLOphoric Coumarins: A Short Review. <i>Reviews in Fluorescence</i> , 2018, , 123-144.	0.5	5
238	Theoretical Investigation of Difluoroboron Complex of Curcuminoid Derivatives with and without Phenyl Substituent (at Meso Position): Linear and Non-Linear Optical Study. <i>ChemistrySelect</i> , 2018, 3, 11339-11349.	0.7	5
239	Influence of electron donors in fluorescent NLOphoric D- π -A derivatives with acenaphthene rotor: Photophysical, viscosity, and TD-DFT studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 40-52.	2.0	5
240	Non-linear optical response of meso substituted dipyrromethene boron difluoride dyes: Synthesis, photophysical, DFT and Z scan study. <i>Optical Materials</i> , 2019, 89, 164-172.	1.7	5
241	Solvent and Substituents Effect on the UV/Vis Absorption Spectra of Novel Acidochromic 2-Aminothiazole Based Disperse Mono Azo Dyes. <i>Fibers and Polymers</i> , 2019, 20, 320-327.	1.1	5
242	Synthesis of 2-methyl-5-(5-phenyl substituted-1,3,4 oxadiazole-2-yl) quinazolin-4-one fluorescent brightening agent: Computational and experimental comparison of photophysical structure. <i>Journal of Molecular Structure</i> , 2019, 1182, 150-157.	1.8	5
243	Molecular properties of 5-(1H-Benzo[D]Oxa, thia, imidazole-2-yl)-2-methyl quinazolin-4-ol fluorescent brighteners: Theoretical and experimental approach. <i>Journal of Molecular Structure</i> , 2020, 1199, 126984.	1.8	5
244	Charge Transfer Parameters, Correlative Perturbation Potential with Non-Linear Optical Properties of Bi-Heterocyclic Dyes Having TCF Acceptor-DFT Approach. <i>ChemistrySelect</i> , 2020, 5, 14520-14532.	0.7	5
245	Comparison of chemical composition, antioxidant and antibacterial activity of <i>Callistemon citrinus</i> (bottlebrush) essential oil obtained by conventional and microwave-assisted hydrodistillation. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2020, 54, 230-244.	0.4	5
246	Orange-Red Fluorescent (Partially Rigidified) Donor- π -(rigidified)-Acceptor System - Computational Studies. <i>Journal of Fluorescence</i> , 2020, 30, 565-579.	1.3	5
247	Deep Red emitting dicyanovinylene isophorone based chromophores: Combined synthesis, optical properties, viscosity sensitivity, and DFT studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 391, 112389.	2.0	5
248	Substitutes for 1-naphthylamine. Part I - a comparative study of monoazo anionic dyes from 5-acetaniidoaniline-2-sulphonic acid and 1-naphthylamine. <i>Coloration Technology</i> , 1995, 111, 390-393.	0.1	4
249	Synthesis, Characterization, Thermal Properties, and Antimicrobial Activities of 5-(Diethylamino)-2-(5-nitro-1H-benzimidazol-2-yl)phenol and Its Transition Metal Complexes. <i>ISRN Organic Chemistry</i> , 2011, 2011, 1-7.	1.0	4
250	Novel ESIPT Fluorescein: Sensor for Blood and Viscosity. <i>BioNanoScience</i> , 2012, 2, 259-265.	1.5	4
251	Synthesis and Characterization of Molecules Containing Thiazole and Oxazole Moieties and Study of ESIPT Phenomenon. <i>Journal of Fluorescence</i> , 2012, 22, 1237-1248.	1.3	4
252	Optical effect pigments for technical textile applications. , 2013, , 37-46.		4

#	ARTICLE	IF	CITATIONS
253	Novel Fluorescein-Based Fluorophores: Synthesis, Photophysics and Micro-Environmental Study. <i>Journal of Fluorescence</i> , 2015, 25, 1835-1845.	1.3	4
254	Chemiluminescence properties of luminol related quinoxaline analogs: Experimental and DFT based approach to photophysical properties. <i>Dyes and Pigments</i> , 2015, 117, 49-60.	2.0	4
255	Study on Synthesis and Fluorescence of Novel Benzofused Phenazine π -Conjugated Skeleton with Coumarin and Isophoron Cores. <i>Journal of Fluorescence</i> , 2015, 25, 1095-1102.	1.3	4
256	Unfolding ESIPT in Bis-2,5-(2-benzoxazolyl) Hydroquinone and 2,5-Bis(benzo[d]oxazol-2-yl)-4-methoxyphenol: a Comprehensive Computational Approach. <i>Journal of Fluorescence</i> , 2016, 26, 1295-1307.	1.3	4
257	TD-DFT Investigation of 2,5-Bis(2-benzothiazolyl)hydroquinone and 2,5-Bis(benzo[d]thiazol-2-yl)-4-methoxyphenol. <i>Journal of Solution Chemistry</i> , 2017, 46, 1005-1023.	0.6	4
258	Red Emitting Monoazo Disperse Dyes with Phenyl(1H-benzimidazol-5-yl) Methanone as Inbuilt Photostabilizing Unit: Synthesis, Spectroscopic, Dyeing and DFT Studies. <i>Journal of Fluorescence</i> , 2018, 28, 639-653.	1.3	4
259	Triphenylamine Derived 3-Acetyl and 3-Benzothiazolyl Bis and Tris Coumarins: Synthesis, Photophysical and DFT Assisted Hyperpolarizability Study. <i>Journal of Electronic Materials</i> , 2018, 47, 1431-1446.	1.0	4
260	Extensive Study of Rhodanine π -Arylamine π -Based Chromophores: Consolidated Optical, DFT/TD π -DFT and Non π -Linear Optical Properties. <i>ChemistrySelect</i> , 2019, 4, 211-221.	0.7	4
261	Influence of orthogonal di- and trimerization leading to meso fused BODIPY on linear and NLO properties - TDDFT study and singlet-triplet energy distribution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112284.	2.0	4
262	Linear and NLO Properties of Functional Group and Position Isomers of Azo and Azomethine: Comparative Photophysical π -Electrochemical Properties, Z π -Scan and DFT Studies. <i>ChemistrySelect</i> , 2020, 5, 10743-10753.	0.7	4
263	Synthesis of novel fluorescent 1,3,5-trisubstituted triazine derivatives and photophysical property evaluation of fluorophores and their BSA conjugates. <i>Heterocyclic Communications</i> , 2012, 18, .	0.6	3
264	UV-absorbent, antimicrobial, water-repellent and other types of functional dye for technical textile applications. , 2013, , 47-77.		3
265	Synthesis of triazine based dialdehyde Schiff's base π new templates for Molecular Imprinting and study of their structural and photophysical properties. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1793-S1800.	2.3	3
266	π -Ethyl Carbazole Derived D π - π -Conjugated Based Fluorophores: Consolidated Spectroscopic, Viscosity and DFT Studies. <i>ChemistrySelect</i> , 2019, 4, 11966-11978.	0.7	3
267	Investigation of photophysical, structural aspects and nonlinear optical properties of Foron blue SR analogs using Density Functional Theory (DFT). <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	3
268	NLO Properties of 2 π -Naphthol Monoazo Disperse Dyes by DFT and Z π -Scan Technique π A Detailed Study. <i>ChemistrySelect</i> , 2019, 4, 13846-13855.	0.7	3
269	A study on multifunctional protein fibre with UV protection, moth repellency and antibacterial properties using ESIPT core containing benzimidazole and benzothiazole based functional acid azo dyes. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100236.	1.3	3
270	Preparation of color filters using azo and nitroso colorants. <i>Fibers and Polymers</i> , 2013, 14, 1-7.	1.1	2

#	ARTICLE	IF	CITATIONS
289	Substituent effects on linear and nonlinear optical properties of fluorescent (E)-2-(4-halophenyl)-7-arylstyrylimidazo[1,2-A]pyridine: spectroscopic and computational methods. Physical Sciences Reviews, 2019, 4, .	0.8	0
290	11. Substituent effects on linear and nonlinear optical properties of fluorescent (E)-2-(4-halophenyl)-7-arylstyrylimidazo[1,2-A] pyridine: spectroscopic and computational methods. , 2018, , 193-228.		0
291	Comparative studies of excited state intramolecular proton transfer (ESIPT) and azo-hydrazone tautomerism in naphthalene-based fluorescent acid azo dyes by computational study. ChemistrySelect, 2021, .	0.7	0