N Sekar

List of Publications by Year
in descending order

291	5,752	94433 37	168389 53
papers	citations	h-index	g-index

298	298	298	4775
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectroscopic analysis and DFT calculations of a food additive Carmoisine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 654-662.	3.9	283
2	Design, synthesis, antimicrobial activity and computational studies of novel azo linked substituted benzimidazole, benzoxazole and benzothiazole derivatives. Computational Biology and Chemistry, 2019, 78, 330-337.	2.3	98
3	Carbazoleâ€Linked Nearâ€Infrared Azaâ€BODIPY Dyes as Triplet Sensitizers and Photoacoustic Contrast Agents for Deepâ€Tissue Imaging. Chemistry - A European Journal, 2017, 23, 6570-6578.	3.3	83
4	Fluorescent azo disperse dyes from 3-(1,3-benzothiazol-2-yl)naphthalen-2-ol and comparison with 2-naphthol analogs. Dyes and Pigments, 2013, 96, 92-103.	3.7	81
5	Synthesis of New ESIPT-Fluorescein: Photophysics of pH Sensitivity and Fluorescence. Journal of Physical Chemistry A, 2012, 116, 536-545.	2.5	74
6	Synthesis and antimicrobial activity of novel 2-substituted benzimidazole, benzoxazole and benzothiazole derivatives. Arabian Journal of Chemistry, 2016, 9, S1125-S1130.	4.9	71
7	Novel pyrazino-phenanthroline based rigid donor-Ï€-acceptor compounds: A detail study of optical properties, acidochromism, solvatochromism and structure-property relationship. Dyes and Pigments, 2017, 136, 31-45.	3.7	67
8	Metal complex dyes for dye-sensitized solar cells: Recent developments. Resonance, 2010, 15, 819-831.	0.3	64
9	The synthesis and photo-physical properties of extended styryl fluorescent derivatives of N-ethyl carbazole. Dyes and Pigments, 2011, 88, 378-384.	3.7	64
10	Red emitting solid state fluorescent triphenylamine dyes: Synthesis, photo-physical property and DFT study. Dyes and Pigments, 2013, 97, 429-439.	3.7	64
11	A new rhodamine based OFFâ€“ON fluorescent chemosensors for selective detection of Hg2+ and Al3+ in aqueous media. Sensors and Actuators B: Chemical, 2015, 220, 1196-1204.	7.8	64
12	FTâ€Raman, IR and UVâ€visible spectral investigations and ab initio computations of a nonlinear food dye amaranth. Journal of Raman Spectroscopy, 2008, 39, 928-936.	2.5	59
13	Synthesis and Photo-Physical Characteristics of ESIPT Inspired 2-Substituted Benzimidazole, Benzoxazole and Benzothiazole Fluorescent Derivatives. Journal of Fluorescence, 2012, 22, 311-322.	2.5	59
14	Congeners of Pyrromethene-567 Dye: Perspectives from Synthesis, Photophysics, Photostability, Laser, and TD-DFT Theory. Journal of Organic Chemistry, 2015, 80, 6152-6164.	3.2	59
15	Linear correlation between DSSC efficiency, intramolecular charge transfer characteristics, and NLO properties â€“ DFT approach. Computational and Theoretical Chemistry, 2018, 1138, 75-83.	2.5	56
16	Schiff base clubbed benzothiazole: synthesis, potent antimicrobial and MCF-7 anticancer activity, DNA cleavage and computational study. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1-14.	3.5	55
17	Enhancement of NLO Properties in OBO Fluorophores Derived from Carbazoleâ€“Coumarin Chalcones Containing Carboxylic Acid at the N-Alykl Terminal End. Journal of Physical Chemistry C, 2018, 122, 14313-14325.	3.1	54
18	Nonlinear optical properties of curcumin: solvatochromism-based approach and computational study. Molecular Physics, 2016, 114, 1867-1879.	1.7	51

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19	Photostable coumarin containing azo dyes with multifunctional property. Dyes and Pigments, 2019, 163, 692-699.	3.7	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. Journal of Molecular Structure, 2020, 1203, 127401.	3.6	50
21	Indion 190 resin: efficient, environmentally friendly, and reusable catalyst for synthesis of benzimidazoles, benzoxazoles, and benzothiazoles. Green Chemistry Letters and Reviews, 2012, 5, 139-145.	4.7	49
22	Synthesis and combined experimental and computational investigations on spectroscopic and photophysical properties ofÂredÂemitting 3-styryl coumarins. Dyes and Pigments, 2015, 119, 49-55.	3.7	47
23	Fluorescent difluoroboron-curcumin analogs: An investigation of the electronic structures and photophysical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 241-251.	3.9	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. Dyes and Pigments, 2017, 136, 116-130.	3.7	47
25	Aggregation induced emissive carbazole-based push pull NLOphores: Synthesis, photophysical properties and DFT studies. Dyes and Pigments, 2016, 124, 82-92.	3.7	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. Dyes and Pigments, 2017, 137, 329-341.	3.7	46
27	Synthesis, Photo-physical and DFT Studies of ESIPT Inspired Novel 2-(2â€²,4â€²-Dihydroxyphenyl) Benzimidazole, Benzoxazole and Benzothiazole. Journal of Fluorescence, 2013, 23, 1019-1029.	2.5	44
28	Triphenylamine derived coumarin chalcones and their red emitting OBO difluoride complexes: Synthesis, photophysical and NLO property study. Dyes and Pigments, 2018, 148, 474-491.	3.7	44
29	Red emitting NLOphoric 3-styryl coumarins: Experimental and computational studies. Optical Materials, 2016, 51, 121-127.	3.6	43
30	Triphenylamine and N-phenyl carbazole-based coumarin derivatives: Synthesis, solvatochromism, acidochromism, linear and nonlinear optical properties. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111937.	3.9	43
31	ESIPT-inspired benzothiazole fluorescein: Photophysics of microenvironment pH and viscosity. Dyes and Pigments, 2013, 98, 507-517.	3.7	42
32	DFT based approach to photophysical properties. Tetrahedron, 2013, 69, 1767-1777.	1.9	41
33	Review of NLOphoric azo dyes â€“ Developments in hyperpolarizabilities in last two decades. Dyes and Pigments, 2021, 191, 109367.	3.7	41
34	Novel pyrromethene dyes with N-ethyl carbazole at the meso position: a comprehensive photophysical, lasing, photostability and TD-DFT study. Physical Chemistry Chemical Physics, 2015, 17, 17221-17236.	2.8	40
35	Structure-efficiency relationship of newly synthesized 4-substituted donorâ€“Ïâ€“acceptor coumarins for dye-sensitized solar cells. New Journal of Chemistry, 2018, 42, 5267-5275.	2.8	40
36	Phosphomolybdic Acid: An Efficient and Recyclable Solid Acid Catalyst for the Synthesis of 4,4â€²-(Arylmethylene)bis(1H-pyrazol-5-ols). Synthetic Communications, 2012, 42, 1349-1358.	2.1	38

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37	A comprehensive spectroscopic and computational investigation of intramolecular proton transfer in the excited states of 2-(2â€²-hydroxyphenyl) benzoxazole and its derivatives. Journal of Luminescence, 2014, 146, 527-538.	3.1	38
38	Pyrazole based solid state emissive NLOphores with TICT characteristics: Synthesis, DFT and TDDFT studies. Dyes and Pigments, 2016, 126, 62-75.	3.7	38
39	Synthesis, spectroscopic characteristics, dyeing performance and TD-DFT study of quinolone based red emitting acid azo dyes. Dyes and Pigments, 2019, 168, 12-27.	3.7	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 azoâ€“hydrazone tautomerism. Dyes and Pigments, 2013, 99, 291-298.	3.7	37
41	Red Emitting Coumarinâ€”Azo Dyes : Synthesis, Characterization, Linear and Non-linear Optical Properties-Experimental and Computational Approach. Journal of Fluorescence, 2016, 26, 1279-1293.	2.5	37
42	Spectroscopic, DFT and Z-scan supported investigation of dicyanoisophorone based push-pull NLOphoric styryl dyes. Optical Materials, 2017, 66, 494-511.	3.6	37
43	A new class of triphenylamine-based novel sensitizers for DSSCs: a comparative study of three different anchoring groups. New Journal of Chemistry, 2018, 42, 11555-11564.	2.8	37
44	Fluoroimmunoassay based on suppression of fluorescence self-quenching for ultra-sensitive detection of herbicide diuron. Analytica Chimica Acta, 2010, 676, 87-92.	5.4	36
45	Benzimidazole-thiazole based NLOphoric styryl dyes with solid state emission â€“ Synthesis, photophysical, hyperpolarizability and TD-DFT studies. Dyes and Pigments, 2016, 128, 111-123.	3.7	36
46	NLO properties of ester containing fluorescent carbazole based styryl dyes â€“ Consolidated spectroscopic and DFT approach. Optical Materials, 2018, 76, 191-209.	3.6	36
47	UV protective heterocyclic disperse azo dyes: Spectral properties, dyeing, potent antibacterial activity on dyed fabric and comparative computational study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117353.	3.9	36
48	Non-linear optical study of BODIPY-benzimidazole conjugate by solvatochromic, Z-scan and theoretical methods. Optical Materials, 2017, 64, 453-460.	3.6	35
49	Synthesis, bioactivities, DFT and in-silico appraisal of azo clubbed benzothiazole derivatives. Journal of Molecular Structure, 2019, 1192, 162-171.	3.6	35
50	Towards NIRâ€Active Hydroxybenzazole (HBX)â€Based ESIPT Motifs: A Recent Research Trend. ChemistrySelect, 2020, 5, 2103-2113.	1.5	35
51	Rigid Coumarins: a Complete DFT, TD-DFT and Non Linear Optical Property Study. Journal of Fluorescence, 2015, 25, 1469-1480.	2.5	34
52	NLO properties of 1, 4-naphthoquinone, Juglone and Lawsone by DFT and Z-scan technique â€“ A detailed study. Optical Materials, 2017, 72, 549-558.	3.6	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. Dyes and Pigments, 2017, 137, 384-394.	3.7	34
54	Pyrrole-thiazole based push-pull chromophores: An experimental and theoretical approach to structural, spectroscopic and NLO properties of the novel styryl dyes. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 333, 1-17.	3.9	34

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55	Synthesis and computational study of coumarin thiophene-based D-Ï€-A azo bridge colorants for DSSC and NLOphoric application. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112466.	3.9	34
56	Synthesis, optical properties, dyeing study of dihydropyrimidones (DHPMs) skeleton: Green and regioselectivity of novel Biginelli scaffold from Lawsone. Fibers and Polymers, 2015, 16, 2349-2358.	2.1	33
57	A Combined Experimental and DFT-TDDFT Study of the Excited-State Intramolecular Proton Transfer (ESIPT) of 2-(2â€²-Hydroxyphenyl) Imidazole Derivatives. Journal of Fluorescence, 2013, 23, 839-851.	2.5	32
58	A combined experimental and TD-DFT investigation of three disperse azo dyes having the nitroterephthalate skeleton. Dyes and Pigments, 2014, 103, 25-33.	3.7	32
59	Coumarin Push-Pull NLOphores with Red Emission: Solvatochromic and Theoretical Approach. Journal of Fluorescence, 2016, 26, 949-962.	2.5	32
60	Red-emitting NLOphoric carbazole-coumarin hybrids - Synthesis, photophysical properties and DFT studies. Dyes and Pigments, 2016, 129, 174-185.	3.7	32
61	Efficient Synthesis of 3-Substituted 1,2,4-Triazolo[4,3-a]pyridine by [Bis(Trifluroacetoxy)iodo]benzene-Catalyzed Oxidative Intramolecular Cyclization of Heterocyclic Hydrazones. Synthetic Communications, 2011, 41, 925-938.	2.1	31
62	PET governed fluorescence â€œTurn ONâ€•BODIPY probe for selective detection of picric acid. RSC Advances, 2015, 5, 89482-89487.	3.6	31
63	Light fast monoazo dyes with an inbuilt photostabilizing unit: Synthesis and computational studies. Fibers and Polymers, 2016, 17, 349-357.	2.1	31
64	Photostability of Coumarin Laser Dyes - a Mechanistic Study Using Global and Local Reactivity Descriptors. Journal of Fluorescence, 2017, 27, 1101-1108.	2.5	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118064.	3.9	31
66	Pyrazole based NLOphores: Synthesis, photophysical, DFT, TDDFT studies. Dyes and Pigments, 2016, 127, 116-127.	3.7	30
67	Tuning â€˜Stokes Shiftâ€™ and ICT Character by Varying the Donor Group in Imidazo[1,5â€‰a]pyridines: A Combined Optical, DFT, TDâ€DFT and NLO Approach. ChemistrySelect, 2018, 3, 1635-1644.	1.5	30
68	Fluorescent acid azo dyes from 3-(1,3-benzothiazol-2-yl)naphthalen-2-ol and comparison with 2-naphthol analogs. Dyes and Pigments, 2013, 97, 32-42.	3.7	29
69	Masking and Demasking Strategies for the BF‹sub›2‹/sub›â€“BODIPYs as a Tool for BODIPY Fluorophores. Journal of Organic Chemistry, 2014, 79, 10981-10987.	3.2	29
70	ESIPT clubbed azo dyes as deep red emitting fluorescent molecular rotors: Photophysical properties, pH study, viscosity sensitivity, and DFT studies. Journal of Luminescence, 2019, 215, 116689.	3.1	29
71	Azo dyes with ESIPT core for textile applications and DFT study. Dyes and Pigments, 2019, 170, 107626.	3.7	27
72	Deep-red/NIR emitting coumarin derivatives - Synthesis, photophysical properties, and biological applications. Dyes and Pigments, 2022, 202, 110306.	3.7	27

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73	Acridine derivative as a â€œturn onâ€•probe for selective detection of picric acid via PET deterrence. RSC Advances, 2016, 6, 84319-84325.	3.6	26
74	Carbazole-containing pushâ€“pull chromophore with viscosity and polarity sensitive emissions: Synthesis and photophysical properties. Dyes and Pigments, 2016, 129, 1-8.	3.7	26
75	An acac-BODIPY dye as a reversible â€œON-OFF-ONâ€•fluorescent sensor for Cu2+ and S2- ions based on displacement approach. Journal of Luminescence, 2017, 190, 476-484.	3.1	26
76	Stimuli-responsive luminescent coumarin thiazole hybrid dye: Synthesis, aggregation induced emission, thermochromism and DFT study. Dyes and Pigments, 2017, 142, 121-125.	3.7	25
77	NLOphoric multichromophoric auxiliary methoxy aided triphenylamine D-Ï€-A chromophores â€“ Spectroscopic and computational studies. Optical Materials, 2017, 73, 602-616.	3.6	25
78	Novel blue-green emitting NLOphoric triphenylamine-imidazole based donor-Ï€-acceptor compound: Solvatochromism, DFT, TD-DFT and non-linear optical studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117421.	3.9	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.	1.5	24
80	Red emitting triphenylamine based rhodamine analogous with enhanced Stokes shift and viscosity sensitive emission. Dyes and Pigments, 2017, 138, 56-67.	3.7	24
81	Excitation energy transfer processes in BODIPY based donor-acceptor system - Synthesis, photophysics, NLO and DFT study. Optical Materials, 2018, 84, 795-806.	3.6	24
82	NIR-Emitting Boradiazaindacene Fluorophores -TD-DFT Studies on Electronic Structure and Photophysical Properties. Journal of Fluorescence, 2015, 25, 69-78.	2.5	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.	3.9	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.	3.7	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.	3.1	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.	2.5	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.	5.2	22
88	Pushâ€“pull fluorophores with viscosity dependent and aggregation induced emissions insensitive to polarity. Dyes and Pigments, 2015, 122, 359-367.	3.7	22
89	Investigating the excited state optical properties and origin of large stokes shift in Benz[c,d]indole N-Heteroarene BF2 dyes with ab initio tools. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 472-480.	3.8	22
90	Multiâ€Dentate Carbazole Based Schiff Base Dyes with Chlorovinylene Group in Spacer for Dyeâ€Sensitized Solar Cells: A Combined Theoretical and Experimental Study.. ChemistrySelect, 2019, 4, 4044-4056.	1.5	22

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91	Charge transfer and nonlinear optical properties of anthraquinone D-Ï€-A dyes in relation with the DFT based molecular descriptors and perturbational potential. Computational and Theoretical Chemistry, 2020, 1174, 112712.	2.5	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.	3.9	21
93	Triphenylamine-Based Fluorescent Styryl Dyes: DFT, TD-DFT and Non-Linear Optical Property Study. Journal of Fluorescence, 2017, 27, 993-1007.	2.5	21
94	Effect of structural manipulation in hetero-tri-aryl amine donor-based Dâ€“Aâ€²â€“Ï€â€“A sensitizers in dye-sensitized solar cells. New Journal of Chemistry, 2018, 42, 4361-4371.	2.8	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.	3.7	21
96	Theoretical Investigation of Optical and Nonlinear Optical (NLO) Properties of 3â€Azabenzanthrone Analogues : DFT and TDâ€DFT Approach.. ChemistrySelect, 2019, 4, 10033-10045.	1.5	21
97	Rhodanine-3-acetic acid containing D-Ï€-A push-pull chromophores: Effect of methoxy group on the performance of dye-sensitized solar cells. Organic Electronics, 2019, 65, 386-393.	2.6	21
98	Highly sensitive and selective chemosensors for Cu²⁺and Al³⁺based on photoinduced electron transfer (PET) mechanism. RSC Advances, 2015, 5, 27282-27289.	3.6	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.	3.9	20
100	A Lawsoneâ€“DAMN based colorimetric chemosensor for rapid naked-eye detection of mercury(<scp>ii</scp>). New Journal of Chemistry, 2016, 40, 6803-6811.	2.8	20
101	Solvatochromic benzo[h] coumarins: Synthesis, solvatochromism, NLO and DFT study. Optical Materials, 2017, 72, 346-358.	3.6	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.	3.7	20
103	Multi-stimuli responsive emissive NLOphoric colorants â€“ A recent trend in research. Dyes and Pigments, 2019, 163, 675-683.	3.7	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.	1.5	19
105	NIR emitting new N, N-diethylaniline based NLOphoric D-Ï€-A and D-Aâ€²-Ï€-A dyes: Photophysical properties, viscosity sensitivity and DFT studies. Journal of Luminescence, 2018, 204, 436-447.	3.1	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.	2.5	18
108	NLOphoric Red Emitting Bis Coumarins with O-BF2-O core - Synthesis, Photophysical Properties and DFT Studies. Journal of Fluorescence, 2016, 26, 471-486.	2.5	18

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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.	2.5	18
110	Near IR emitting novel rhodanine-3-acetic acid based two donor-Ï€-acceptor sensitizers for DSSC: Synthesis and application. Dyes and Pigments, 2019, 165, 391-399.	3.7	18
111	Spectroscopic, DFT and Z-scan approach to study linear and nonlinear optical properties of Disperse Red 277. Optical Materials, 2020, 99, 109536.	3.6	18
112	Fluorescent meso-benzyl curcuminoid boron complex: Synthesis, photophysics, DFT and NLO study. Optical Materials, 2018, 84, 786-794.	3.6	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.	2.8	17
114	Design and Synthesis of Coumarinâ€“Imidazole Hybrid Chromophores: Solvatochromism, Acidochromism and Nonlinear Optical Properties. Photochemistry and Photobiology, 2019, 95, 740-754.	2.5	17
115	Experimental and theoretical investigation of linear and nonlinear optical properties of ethylâ€3â€hydroxyâ€2â€napthoate azo dyes by solvatochromic, computational aspects, and Zâ€scan technique. Journal of Physical Organic Chemistry, 2020, 33, e4050.	1.9	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.	1.5	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-dihydroqu Whiteners: Synthesis and Photophysical Characterization. Journal of Fluorescence, 2014, 24, 1077-1086.	2.5	16
118	Disperse styryl and azo dyes for polyester and nylon fibre: Synthesis, optical properties having the 1,2,4-triketo naphthoquinone skeleton. Fibers and Polymers, 2015, 16, 1068-1074.	2.1	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.	2.5	16
120	Synthesis, Characterization, and Antibacterial Activity of Novel (1Hâ€Benzo[d]imidazoleâ€2â€yl)â€6â€(diethylamino)â€3Hâ€oneâ€xanthene, Phenoxazine, and Oxazine. Journal of Heterocyclic Chemistry, 2015, 52, 124-129.	2.6	16
121	NLOphoric and solid state emissive BODIPY dyes containing N -phenylcarbazole core at meso position â€“ Synthesis, photophysical properties of and DFT studies. Journal of Luminescence, 2016, 179, 420-428.	3.1	16
122	Solventâ€Driven Conformational Exchange for Amideâ€Linked Bichromophoric BODIPY Derivatives. Chemistry - A European Journal, 2016, 22, 14356-14366.	3.3	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.	3.9	16
124	Coumarin-Rhodamine Hybridsâ€”Novel Probes for the Optical Measurement of Viscosity and Polarity. Journal of Fluorescence, 2017, 27, 1949-1956.	2.5	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.	3.6	16
126	Triphenyl borate catalyzed synthesis of amides from carboxylic acids and amines. Tetrahedron, 2018, 74, 6954-6958.	1.9	16

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127	Red emitting coumarin based 4, 6-disubstituted-3-cyano-2-pyridones dyes â€“ Synthesis, solvatochromism, linear and non-linear optical properties. Journal of Molecular Liquids, 2019, 276, 385-398.	4.9	16
128	Red Emitting Coumarins: Insights of Photophysical Properties with DFT Methods. Journal of Fluorescence, 2015, 25, 1117-1126.	2.5	15
129	Environment-sensitive benzoxazole based fluorescein derivatives: Synthesis and application to the design of ONâ€“OFF fluorescent chemosensors for microenvironment. Journal of Luminescence, 2015, 158, 243-251.	3.1	15
130	Coumarin-Pyrazole Hybrid with Red Shifted ESIPT Emission and AIE Characteristics - a Comprehensive Study. Journal of Fluorescence, 2017, 27, 1687-1707.	2.5	15
131	Proton Induced Modulation of ICT and PET Processes in an Imidazo-phenanthroline Based BODIPY Fluorophores. Journal of Fluorescence, 2017, 27, 2313-2322.	2.5	15
132	Low cost and efficient hetero-anthracene based small organic hole transporting materials for solid state photoelectrochemical cells. Materials Today Energy, 2018, 9, 496-505.	4.7	15
133	Non-linear optical response of meso hybrid BODIPY: Synthesis, photophysical, DFT and Z scan study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 126-140.	3.9	15
134	Fluorescent 7-Substituted Coumarin Dyes: Solvatochromism and NLO Studies. Journal of Fluorescence, 2019, 29, 121-135.	2.5	15
135	Intrinsic catalytic activity of an acidic ionic liquid as a solvent for quinazoline synthesis. Catalysis Science and Technology, 2012, 2, 1681.	4.1	14
136	Fluorescent Coumarin Derivatives with Viscosity Sensitive Emission - Synthesis, Photophysical Properties and Computational Studies. Journal of Fluorescence, 2014, 24, 1263-1274.	2.5	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 457-465.	3.9	14
138	Resonance induced proton transfer leading to NIR emission in coumarin thiazole hybrid dyes: Synthesis and DFT insights. Tetrahedron Letters, 2016, 57, 4174-4177.	1.4	14
139	A new type of triphenylamine based coumarinâ€“rhodamine hybrid compound: synthesis, photophysical properties, viscosity sensitivity and energy transfer. RSC Advances, 2016, 6, 105387-105397.	3.6	14
140	AIE Based Coumarin Chromophore - Evaluation and Correlation Between Solvatochromism and Solvent Polarity Parameters. Journal of Fluorescence, 2016, 26, 497-511.	2.5	14
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