

## List of Publications by Citations

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285  
papers

4,305  
citations

32  
h-index

45  
g-index

298  
ext. papers

4,990  
ext. citations

3.2  
avg. IF

6.49  
L-index

#	Paper	IF	Citations
285	Spectroscopic analysis and DFT calculations of a food additive carmoisine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 72, 654-62	4.4	255
284	Synthesis of new ESIPT-fluorescein: photophysics of pH sensitivity and fluorescence. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 536-45	2.8	68
283	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> , <b>2013</b> , 96, 92-103	4.6	65
282	Carbazole-Linked Near-Infrared Aza-BODIPY Dyes as Triplet Sensitizers and Photoacoustic Contrast Agents for Deep-Tissue Imaging. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 6570-6578	4.8	64
281	Design, synthesis, antimicrobial activity and computational studies of novel azo linked substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 78, 330-337	3.6	63
280	The synthesis and photo-physical properties of extended styryl fluorescent derivatives of N-ethyl carbazole. <i>Dyes and Pigments</i> , <b>2011</b> , 88, 378-384	4.6	60
279	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> , <b>2017</b> , 136, 31-45	4.6	58
278	Synthesis and photo-physical characteristics of ESIPT inspired 2-substituted benzimidazole, benzoxazole and benzothiazole fluorescent derivatives. <i>Journal of Fluorescence</i> , <b>2012</b> , 22, 311-22	2.4	57
277	Congeners of Pyrromethene-567 Dye: Perspectives from Synthesis, Photophysics, Photostability, Laser, and TD-DFT Theory. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 6152-64	4.2	52
276	Red emitting solid state fluorescent triphenylamine dyes: Synthesis, photo-physical property and DFT study. <i>Dyes and Pigments</i> , <b>2013</b> , 97, 429-439	4.6	51
275	Synthesis and antimicrobial activity of novel 2-substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, S1125-S1130	5.9	49
274	A new rhodamine based OFF-ON fluorescent chemosensors for selective detection of Hg <sup>2+</sup> and Al <sup>3+</sup> in aqueous media. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 220, 1196-1204	8.5	48
273	FT-Raman, IR and UV-visible spectral investigations and ab initio computations of a nonlinear food dye amaranth. <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 928-936	2.3	48
272	Indion 190 resin: efficient, environmentally friendly, and reusable catalyst for synthesis of benzimidazoles, benzoxazoles, and benzothiazoles. <i>Green Chemistry Letters and Reviews</i> , <b>2012</b> , 5, 139-145	4.7	44
271	Aggregation induced emissive carbazole-based push pull NLOphores: Synthesis, photophysical properties and DFT studies. <i>Dyes and Pigments</i> , <b>2016</b> , 124, 82-92	4.6	43
270	Fluorescent difluoroboron-curcumin analogs: An investigation of the electronic structures and photophysical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 152, 241-51	4.4	42
269	Metal complex dyes for dye-sensitized solar cells: Recent developments <b>2010</b> , 15, 819-831		42

268	Synthesis and combined experimental and computational investigations on spectroscopic and photophysical properties of red emitting 3-styryl coumarins. <i>Dyes and Pigments</i> , <b>2015</b> , 119, 49-55	4.6	41
267	Red emitting NLOphoric 3-styryl coumarins: Experimental and computational studies. <i>Optical Materials</i> , <b>2016</b> , 51, 121-127	3.3	39
266	Synthesis, photo-physical and DFT studies of ESIPT inspired novel 2-(2',4'-dihydroxyphenyl) benzimidazole, benzoxazole and benzothiazole. <i>Journal of Fluorescence</i> , <b>2013</b> , 23, 1019-29	2.4	39
265	ESIPT inspired fluorescent 2-(4-benzo[d]oxazol-2-yl)naphtho[1,2-d]oxazol-2-yl)phenol: experimental and DFT based approach to photophysical properties. <i>Tetrahedron</i> , <b>2013</b> , 69, 1767-1777	2.4	38
264	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> , <b>2017</b> , 136, 116-130	4.6	38
263	Nonlinear optical properties of curcumin: solvatochromism-based approach and computational study. <i>Molecular Physics</i> , <b>2016</b> , 114, 1867-1879	1.7	37
262	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> , <b>2017</b> , 137, 329-341	4.6	37
261	Triphenylamine derived coumarin chalcones and their red emitting OBO difluoride complexes: Synthesis, photophysical and NLO property study. <i>Dyes and Pigments</i> , <b>2018</b> , 148, 474-491	4.6	35
260	ESIPT-inspired benzothiazole fluorescein: Photophysics of microenvironment pH and viscosity. <i>Dyes and Pigments</i> , <b>2013</b> , 98, 507-517	4.6	35
259	Structure-efficiency relationship of newly synthesized 4-substituted donor-acceptor coumarins for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 5267-5275	3.6	34
258	Spectroscopic, DFT and Z-scan supported investigation of dicyanoisophorone based push-pull NLOphoric styryl dyes. <i>Optical Materials</i> , <b>2017</b> , 66, 494-511	3.3	33
257	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> , <b>2020</b> , 38, 1772-1785	3.6	33
256	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> , <b>2012</b> , 42, 1349-1358	1.7	33
255	Rigid Coumarins: a Complete DFT, TD-DFT and Non Linear Optical Property Study. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1469-80	2.4	32
254	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> , <b>2013</b> , 99, 291-298	4.6	32
253	Enhancement of NLO Properties in OBO Fluorophores Derived from Carbazole-Coumarin Chalcones Containing Carboxylic Acid at the N-Alkyl Terminal End. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 14313-14325	3.8	31
252	NLO properties of ester containing fluorescent carbazole based styryl dyes - Consolidated spectroscopic and DFT approach. <i>Optical Materials</i> , <b>2018</b> , 76, 191-209	3.3	30
251	Red-emitting NLOphoric carbazole-coumarin hybrids - Synthesis, photophysical properties and DFT studies. <i>Dyes and Pigments</i> , <b>2016</b> , 129, 174-185	4.6	30

250	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> , <b>2017</b> , 333, 1-17	4.7	30
249	A new class of triphenylamine-based novel sensitizers for DSSCs: a comparative study of three different anchoring groups. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 11555-11564	3.6	30
248	Non-linear optical study of BODIPY-benzimidazole conjugate by solvatochromic, Z-scan and theoretical methods. <i>Optical Materials</i> , <b>2017</b> , 64, 453-460	3.3	29
247	Synthesis, bioactivities, DFT and in-silico appraisal of azo clubbed benzothiazole derivatives. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1192, 162-171	3.4	29
246	Pyrazole based solid state emissive NLOphores with TICT characteristics: Synthesis, DFT and TDDFT studies. <i>Dyes and Pigments</i> , <b>2016</b> , 126, 62-75	4.6	29
245	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> , <b>2014</b> , 146, 527-538	3.8	29
244	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> , <b>2013</b> , 23, 839-51	2.4	29
243	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> , <b>2015</b> , 17, 17221-36	3.6	29
242	Photostable coumarin containing azo dyes with multifunctional property. <i>Dyes and Pigments</i> , <b>2019</b> , 163, 692-699	4.6	29
241	Coumarin Push-Pull NLOphores with Red Emission: Solvatochromic and Theoretical Approach. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 949-62	2.4	28
240	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> , <b>2013</b> , 97, 32-42	4.6	28
239	Fluoroimmunoassay based on suppression of fluorescence self-quenching for ultra-sensitive detection of herbicide diuron. <i>Analytica Chimica Acta</i> , <b>2010</b> , 676, 87-92	6.6	28
238	Red Emitting Coumarin-Azo Dyes : Synthesis, Characterization, Linear and Non-linear Optical Properties-Experimental and Computational Approach. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 1279-93	2.4	28
237	Benzimidazole-thiazole based NLOphoric styryl dyes with solid state emission [Synthesis, photophysical, hyperpolarizability and TD-DFT studies. <i>Dyes and Pigments</i> , <b>2016</b> , 128, 111-123	4.6	27
236	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> , <b>2019</b> , 382, 111937	4.7	26
235	Linear correlation between DSSC efficiency, intramolecular charge transfer characteristics, and NLO properties [DFT approach. <i>Computational and Theoretical Chemistry</i> , <b>2018</b> , 1138, 75-83	2	26
234	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> , <b>2017</b> , 137, 384-394	4.6	26
233	Light fast monoazo dyes with an inbuilt photostabilizing unit: Synthesis and computational studies. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 349-357	2	26

232	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> , <b>2019</b> , 223, 117353	4.4	25
231	A combined experimental and TD-DFT investigation of three disperse azo dyes having the nitroterephthalate skeleton. <i>Dyes and Pigments</i> , <b>2014</b> , 103, 25-33	4.6	25
230	NLO properties of 1, 4-naphthoquinone, Juglone and Lawsone by DFT and Z-scan technique [A detailed study. <i>Optical Materials</i> , <b>2017</b> , 72, 549-558	3.3	25
229	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> , <b>2011</b> , 41, 925-938	1.7	24
228	Synthesis, spectroscopic characteristics, dyeing performance and TD-DFT study of quinolone based red emitting acid azo dyes. <i>Dyes and Pigments</i> , <b>2019</b> , 168, 12-27	4.6	23
227	NLOphoric multichromophoric auxiliary methoxy aided triphenylamine D- $\pi$ chromophores [ Spectroscopic and computational studies. <i>Optical Materials</i> , <b>2017</b> , 73, 602-616	3.3	22
226	PET governed fluorescence [turn ON]BODIPY probe for selective detection of picric acid. <i>RSC Advances</i> , <b>2015</b> , 5, 89482-89487	3.7	22
225	NIR-emitting boradiazaindacene fluorophores -TD-DFT studies on electronic structure and photophysical properties. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 69-78	2.4	22
224	Carbazole-containing push-pull chromophore with viscosity and polarity sensitive emissions: Synthesis and photophysical properties. <i>Dyes and Pigments</i> , <b>2016</b> , 129, 1-8	4.6	22
223	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> , <b>2020</b> , 1203, 127401	3.4	22
222	Photostability of Coumarin Laser Dyes - a Mechanistic Study Using Global and Local Reactivity Descriptors. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 1101-1108	2.4	21
221	Stimuli-responsive luminescent coumarin thiazole hybrid dye: Synthesis, aggregation induced emission, thermochromism and DFT study. <i>Dyes and Pigments</i> , <b>2017</b> , 142, 121-125	4.6	21
220	TDDFT investigation of the electronic structures and photophysical properties of fluorescent extended styryl push-pull chromophores containing carbazole unit. <i>Journal of Fluorescence</i> , <b>2013</b> , 23, 1121-38	2.4	21
219	Synthesis, optical properties, dyeing study of dihydropyrimidones (DHPMs) skeleton: Green and regioselectivity of novel Biginelli scaffold from Lawsone. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 2349-2358	2	21
218	Highly sensitive and selective chemosensors for Cu <sup>2+</sup> and Al <sup>3+</sup> based on photoinduced electron transfer (PET) mechanism. <i>RSC Advances</i> , <b>2015</b> , 5, 27282-27289	3.7	20
217	Pyrazole based NLOphores: Synthesis, photophysical, DFT, TDDFT studies. <i>Dyes and Pigments</i> , <b>2016</b> , 127, 116-127	4.6	20
216	Masking and demasking strategies for the BF <sub>2</sub> -BODIPYs as a tool for BODIPY fluorophores. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 10981-7	4.2	20
215	Red emitting triphenylamine based rhodamine analogous with enhanced Stokes shift and viscosity sensitive emission. <i>Dyes and Pigments</i> , <b>2017</b> , 138, 56-67	4.6	20

214	Quantum chemical computations and Fourier transform infrared spectral studies of a nonlinear food dye E110. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2008</b> , 69, 82-90	4.4	20
213	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> , <b>2018</b> , 3, 1635-1644	1.8	19
212	Acridine derivative as a Turn on Probe for selective detection of picric acid via PET deterrence. <i>RSC Advances</i> , <b>2016</b> , 6, 84319-84325	3.7	19
211	Novel blue-green emitting NLOphoric triphenylamine-imidazole based donor-acceptor compound: Solvatochromism, DFT, TD-DFT and non-linear optical studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 224, 117421	4.4	19
210	Fluorescent vinyl and styryl coumarins: A comprehensive DFT study of structural, electronic and NLO properties. <i>Journal of Chemical Sciences</i> , <b>2017</b> , 129, 1829-1841	1.8	18
209	An acac-BODIPY dye as a reversible ON-OFF-ON fluorescent sensor for Cu <sup>2+</sup> and S <sup>2-</sup> ions based on displacement approach. <i>Journal of Luminescence</i> , <b>2017</b> , 190, 476-484	3.8	18
208	Red and near-infrared emitting bis-coumarin analogues based on curcumin framework-synthesis and photophysical studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 327, 58-70	4.7	18
207	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> , <b>2019</b> , 215, 116689	3.8	17
206	Azo dyes with ESIPT core for textile applications and DFT study. <i>Dyes and Pigments</i> , <b>2019</b> , 170, 107626	4.6	17
205	Push-pull fluorophores with viscosity dependent and aggregation induced emissions insensitive to polarity. <i>Dyes and Pigments</i> , <b>2015</b> , 122, 359-367	4.6	17
204	Highly fluorescent blue-green emitting phenanthroimidazole derivatives: Detail experimental and DFT study of structural and donating group effects on fluorescence properties. <i>Dyes and Pigments</i> , <b>2018</b> , 159, 209-221	4.6	17
203	Modulating TICT to ICT characteristics of acid switchable red emitting boradiazaindacene chromophores: Perspectives from synthesis, photophysical, hyperpolarizability and TD-DFT studies. <i>Dyes and Pigments</i> , <b>2017</b> , 136, 321-334	4.6	17
202	Synthesis of novel dipodal-benzimidazole, benzoxazole and benzothiazole from cyanuric chloride: Structural, photophysical and antimicrobial studies. <i>Journal of Saudi Chemical Society</i> , <b>2014</b> , 18, 262-268	4.3	17
201	Carbazole based NLOphoric styryl dyes- synthesis and study of photophysical properties by solvatochromism and viscosity sensitivity. <i>Journal of Luminescence</i> , <b>2018</b> , 202, 212-224	3.8	17
200	Towards NIR-Active Hydroxybenzazole (HBX)-Based ESIPT Motifs: A Recent Research Trend. <i>ChemistrySelect</i> , <b>2020</b> , 5, 2103-2113	1.8	17
199	Effect of structural manipulation in hetero-tri-aryl amine donor-based D <sub>A</sub> -A sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 4361-4371	3.6	16
198	Novel NLOphoric 2-methoxy carbazole-based push pull chromophores: Synthesis, photophysical properties and TD-DFT Study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 321, 63-71	4.7	16
197	Effect of donor modification on the photo-physical and photo-voltaic properties of N-alkyl/aryl amine based chromophores. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8970-8981	3.6	15

196	Novel Iminocoumarin Derivatives: Synthesis, Spectroscopic and Computational Studies. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1615-28	2.4	15
195	Charge transfer and nonlinear optical properties of anthraquinone D- $\pi$ A dyes in relation with the DFT based molecular descriptors and perturbational potential. <i>Computational and Theoretical Chemistry</i> , <b>2020</b> , 1174, 112712	2	15
194	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> , <b>2020</b> , 230, 118064	4.4	15
193	NLOphoric Red Emitting Bis Coumarins with O-BF(2)-O core - Synthesis, Photophysical Properties and DFT Studies. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 471-86	2.4	15
192	Low cost and efficient hetero-anthracene based small organic hole transporting materials for solid state photoelectrochemical cells. <i>Materials Today Energy</i> , <b>2018</b> , 9, 496-505	7	15
191	Fluorescent meso-benzyl curcuminoid boron complex: Synthesis, photophysics, DFT and NLO study. <i>Optical Materials</i> , <b>2018</b> , 84, 786-794	3.3	15
190	Synthesis, photophysical property study of novel fluorescent 4-(1,3-benzoxazol-2-yl)-2-phenyl naphtho[1,2-d][1,3]oxazole derivatives and their antimicrobial activity. <i>Journal of Chemical Sciences</i> , <b>2013</b> , 125, 141-151	1.8	15
189	Synthesis and photo-physical properties of fluorescent 1,3,5-triazine styryl derivatives. <i>Chemistry Central Journal</i> , <b>2011</b> , 5, 77		15
188	Triphenylamine-Based Fluorescent Styryl Dyes: DFT, TD-DFT and Non-Linear Optical Property Study. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 993-1007	2.4	14
187	Viscosity induced emission of red-emitting NLOphoric coumarin morpholine-thiazole hybrid styryl dyes as FMRs: Consolidated experimental and theoretical approach. <i>Optical Materials</i> , <b>2018</b> , 79, 90-107	3.3	14
186	Excitation energy transfer processes in BODIPY based donor-acceptor system - Synthesis, photophysics, NLO and DFT study. <i>Optical Materials</i> , <b>2018</b> , 84, 795-806	3.3	14
185	NIR emitting new N, N-diethylaniline based NLOphoric D- $\pi$ A and D-A $\pi$ - $\pi$ A dyes: Photophysical properties, viscosity sensitivity and DFT studies. <i>Journal of Luminescence</i> , <b>2018</b> , 204, 436-447	3.8	14
184	Fluorescent coumarin derivatives with viscosity sensitive emission--synthesis, photophysical properties and computational studies. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1263-74	2.4	14
183	Rhodanine-3-acetic acid containing D- $\pi$ A push-pull chromophores: Effect of methoxy group on the performance of dye-sensitized solar cells. <i>Organic Electronics</i> , <b>2019</b> , 65, 386-393	3.5	14
182	Investigating the excited state optical properties and origin of large stokes shift in Benz[c,d]indole N-Heteroarene BF dyes with ab initio tools. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 178, 472-480	6.7	14
181	Aggregation induced emissive and NLOphoric coumarin thiazole hybrid dyes: Synthesis, photophysics and TD-DFT studies. <i>Journal of Luminescence</i> , <b>2017</b> , 188, 38-53	3.8	13
180	Benzophenone based fluorophore for selective detection of Sn ion: Experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 174, 291-296	4.4	13
179	N-2-Aryl-1,2,3-Triazoles: A Novel Class of Blue Emitting Fluorophores-Synthesis, Photophysical Properties Study and DFT Computations. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 985-96	2.4	13

178	Red Emitting Coumarins: Insights of Photophysical Properties with DFT Methods. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1117-26	2.4	13
177	A Dawson-DAMN based colorimetric chemosensor for rapid naked-eye detection of mercury(II). <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 6803-6811	3.6	13
176	2-Methyl-4-oxo-N-(4-oxo-2-phenyl substituted-1,3-thiazolidin-3-yl)-3,4-dihydroquinazoline-5-carboxamides--a new range of fluorescent whiteners: synthesis and photophysical characterization. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1077-86	2.4	13
175	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. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7691-7700	1.8	13
174	NLOphoric and solid state emissive BODIPY dyes containing N-phenylcarbazole core at meso position. Synthesis, photophysical properties of and DFT studies. <i>Journal of Luminescence</i> , <b>2016</b> , 179, 420-428	3.8	13
173	Design and Synthesis of Coumarin-Imidazole Hybrid Chromophores: Solvatochromism, Acidochromism and Nonlinear Optical Properties. <i>Photochemistry and Photobiology</i> , <b>2019</b> , 95, 740-754	3.6	13
172	Coumarin-Rhodamine Hybrids. Synthesis, Photophysical Properties, NLO Properties and DFT Studies. <i>ChemistrySelect</i> , <b>2017</b> , 2, 1464-1478	1.8	12
171	Disperse styryl and azo dyes for polyester and nylon fibre: Synthesis, optical properties having the 1,2,4-triketo naphthoquinone skeleton. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 1068-1074	2	12
170	DFT studies of the photophysical properties of fluorescent and semiconductor polycyclic benzimidazole derivatives. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 685-94	2.4	12
169	Synthesis, Characterization, and Antibacterial Activity of Novel (1H-Benzo[d]imidazole-2-yl)-6-(diethylamino)-3H-one-xanthene, Phenoxazine, and Oxazine. <i>Journal of Heterocyclic Chemistry</i> , <b>2015</b> , 52, 124-129	1.9	12
168	Bedford-Type Palladacycle-Catalyzed Miyaura Borylation of Aryl Halides with Tetrahydroxydiboron in Water. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 1842-1851	4.2	12
167	Solvent-Driven Conformational Exchange for Amide-Linked Bichromophoric BODIPY Derivatives. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14356-66	4.8	12
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164	Novel Aza-BODIPY based turn on selective and sensitive probe for on-site visual detection of bivalent copper ions. <i>Dyes and Pigments</i> , <b>2019</b> , 171, 107684	4.6	12
163	Coumarin-Rhodamine Hybrids-Novels Probes for the Optical Measurement of Viscosity and Polarity. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 1949-1956	2.4	12
162	Proton Induced Modulation of ICT and PET Processes in an Imidazo-phenanthroline Based BODIPY Fluorophores. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 2313-2322	2.4	12
161	Solvatochromic benzo[h] coumarins: Synthesis, solvatochromism, NLO and DFT study. <i>Optical Materials</i> , <b>2017</b> , 72, 346-358	3.3	12



160	Multi-stimuli responsive emissive NLOphoric colorants [A recent trend in research. <i>Dyes and Pigments</i> , <b>2019</b> , 163, 675-683	4.6	12
159	Coumarin-Pyrazole Hybrid with Red Shifted ESIPT Emission and AIE Characteristics - a Comprehensive Study. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 1687-1707	2.4	11
158	Multi-Dentate Carbazole Based Schiff Base Dyes with Chlorovinylene Group in Spacer for Dye-Sensitized Solar Cells: A Combined Theoretical and Experimental Study.. <i>ChemistrySelect</i> , <b>2019</b> , 4, 4044-4056	1.8	11
157	NLOphoric studies in thiazole containing symmetrical pushpull fluorophores [Combined experimental and DFT approach. <i>Optical Materials</i> , <b>2015</b> , 48, 271-280	3.3	11
156	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> <b>2015</b> , 135, 457-65	4.4	11
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151	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> , <b>2014</b> , 132, 678-86	4.4	11
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137	Fluorescent carbazole based pyridone dyes [Synthesis, solvatochromism, linear and nonlinear optical properties. <i>Optical Materials</i> , <b>2018</b> , 85, 308-318	3.3	10
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50	Fluorescent NLOphoric Coumarins: A Short Review. <i>Reviews in Fluorescence</i> , <b>2018</b> , 123-144	0	4
49	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> , <b>2018</b> , 3, 11339-11349	1.8	4
48	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> , <b>2018</b> , 19, 1678-1686	2	4
47	Synthesis of red emitting triphenylamine derived NLOphoric D $\pi$ A molecules: photophysical, and viscosity sensing studies. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	3
46	Study on Synthesis and Fluorescence of Novel Benzofused Phenazine $\pi$ Conjugated Skeleton with Coumarin and Isophoron Cores. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1095-102	2.4	3
45	Synthesis of triazine based dialdehyde Schiff's base $\pi$ new templates for Molecular Imprinting and study of their structural and photophysical properties. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, S1793-S1800 <sup>59</sup>	5.9	3
44	Orange-Red Fluorescent (Partially Rigidified) Donor- $\pi$ (rigidified)-Acceptor System - Computational Studies. <i>Journal of Fluorescence</i> , <b>2020</b> , 30, 565-579	2.4	3
43	Red Emitting Monoazo Disperse Dyes with Phenyl(1H-benzoimidazol-5-yl) Methanone as Inbuilt Photostabilizing Unit: Synthesis, Spectroscopic, Dyeing and DFT Studies. <i>Journal of Fluorescence</i> , <b>2018</b> , 28, 639-653	2.4	3
42	Phenylpyran-fused coumarin novel derivatives: combined photophysical and theoretical study on structural modification for PET-inhibited ICT emission. <i>Structural Chemistry</i> , <b>2018</b> , 29, 217-230	1.8	3
41	Novel Fluorescein-Based Fluorophores: Synthesis, Photophysics and Micro-Environmental Study. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 1835-45	2.4	3
40	Optical effect pigments for technical textile applications <b>2013</b> , 37-46		3
39	Acid dyes <b>2011</b> , 486-514		3
38	Synthesis of novel fluorescent 1,3,5-trisubstituted triazine derivatives and photophysical property evaluation of fluorophores and their BSA conjugates. <i>Heterocyclic Communications</i> , <b>2012</b> , 18,	1.7	3
37	Substitutes for 1-naphthylamine. Part 1-a comparative study of monoazo anionic dyes from 5-acetaniidoaniline-2-sulphonic acid and 1-naphthylamine. <i>Coloration Technology</i> , <b>2008</b> , 111, 390-393		3
36	Linear and NLO Properties of Functional Group and Position Isomers of Azo and Azomethine: Comparative Photophysical-Electrochemical Properties, Z-Scan and DFT Studies. <i>ChemistrySelect</i> , <b>2020</b> , 5, 10743-10753	1.8	3
35	Non-Linear Optical Properties of Disperse Blue 354 and Disperse Blue183 by DFT and Z-Scan Technique. <i>Polycyclic Aromatic Compounds</i> , <b>2019</b> , 1-18	1.3	3

34	Molecular and NLO Properties of Red Fluorescent Coumarins - DFT Computations Using Long-Range Separated and Conventional Functionals. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 241-253	2.4	3
33	Biphenyl-Amine-Based D- $\pi$ - $\pi$ Sensitizers for DSSCs: Comparative Photo-Conversion Efficiency in Iodide/triiodide and Cobalt-Based Redox Electrolyte and DFT Study. <i>ChemistrySelect</i> , <b>2019</b> , 4, 7371-7379	1.8	2
32	Chlorine (Cl) - Substituted Carbazole Based A- $\pi$ - $\pi$ Push-Pull Chromophores as Aggregation Enhanced Emission (AEE) Active Viscosity Sensors: Synthesis, DFT and NLO Approach. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 779-795	2.4	2
31	Dispersant-free disperse dyes for polyester an eco-friendly approach. <i>Journal of the Textile Institute</i> , <b>2016</b> , 1-6	1.5	2
30	N-Ethyl Carbazole Derived D- $\pi$ - $\pi$ Based Fluorophores: Consolidated Spectroscopic, Viscosity and DFT Studies. <i>ChemistrySelect</i> , <b>2019</b> , 4, 11966-11978	1.8	2
29	Preparation of color filters using azo and nitroso colorants. <i>Fibers and Polymers</i> , <b>2013</b> , 14, 1-7	2	2
28	Investigation of NLO Properties of Fluorescent BORICO Dyes: a Comprehensive Experimental and Theoretical Approach. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 2253-2262	2.4	2
27	Direct dyes <b>2011</b> , 425-445		2
26	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> , <b>2019</b> , 1182, 150-157	3.4	2
25	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> , <b>2020</b> , 1199, 126984	3.4	2
24	NLOphoric imidazole-fused fluorescent anthraquinone dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 246, 119017	4.4	2
23	Triphenylamine Derived 3-Acetyl and 3-Benzothiazolyl Bis and Tris Coumarins: Synthesis, Photophysical and DFT Assisted Hyperpolarizability Study. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 1431-1446	1.9	2
22	Deep-red/NIR emitting coumarin derivatives - Synthesis, photophysical properties, and biological applications. <i>Dyes and Pigments</i> , <b>2022</b> , 110306	4.6	2
21	Influence of the AcidBase Component of Surface Energy on Optical Properties of Immobilized Dyes. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 13543-13551	3.9	1
20	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> , <b>2019</b> , 131, 1	1.8	1
19	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> , <b>2019</b> , 20, 320-327	2	1
18	Novel 6-(1H-benzo[d]imidazol-2-yl) benzo[a]phenazin-5-ol Derivatives with Dual Emission and Large Stokes Shift Synthesis, Photophysical Properties and Computational Studies. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 835-48	2.4	1
17	Condensation pigments for pigment printing of cotton - synthesis, photophysical properties, TD-DFT studies. <i>Fibers and Polymers</i> , <b>2015</b> , 16, 809-818	2	1



16	A combined experiment and computation study of the fused polycyclic benzimidazole derivatives. <i>Journal of Fluorescence</i> , <b>2015</b> , 25, 127-36	2.4	1
15	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> , <b>2013</b> , 50, 809-813	1.9	1
14	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> , <b>2021</b> , 98, 100236		1
13	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> , <b>2020</b> , 389, 112284	4.7	1
12	Charge Transfer Parameters, Correlative Perturbation Potential with Non-Linear Optical Properties of Bi-Heterocyclic Dyes Having TCF Acceptor- DFT Approach. <i>ChemistrySelect</i> , <b>2020</b> , 5, 14520-14532	1.8	1
11	NLO Properties of 2-Naphthol Monoazo Disperse Dyes by DFT and Z-Scan Technique [A Detailed Study. <i>ChemistrySelect</i> , <b>2019</b> , 4, 13846-13855	1.8	1
10	Comparison of donors julolidine and triphenylamine in TCF-based NLOphoric dyes [A DFT approach. <i>Molecular Physics</i> , <b>2021</b> , 119, e1853266	1.7	1
9	Effect of methoxy group on NLOphoric properties of fluorescent 7-arylstyryl-2-methoxyphenylimidazo[1,2-a]pyridine - Solvatochromic and computational method. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1173, 349-365	3.4	0
8	UV-absorbent, antimicrobial, water-repellent and other types of functional dye for technical textile applications <b>2013</b> , 47-77		0
7	Benzophenone based photostable fluorescent monoazo disperse dyes: Synthesis, AIE, viscosity, UPF and TD-DFT study. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	0
6	Static- and frequency-dependent NLO properties of dithienothiophene and thienothiophene bridges [A computational investigation. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2020</b> , 19, 2050018	1.8	0
5	Positional isomers of heterocyclic azo dyes: Investigation of NLO properties by Z-scan and correlative DFT studies. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 98, 100091		0
4	Change in spectral properties of dyes upon immobilization on silicon surfaces: a combined theoretical and experimental study. <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	
3	Synthesis of novel carbazole based styryl: rational approach for photophysical properties and TD-DFT. <i>Journal of Fluorescence</i> , <b>2014</b> , 24, 1457-72	2.4	
2	Methoxy and Hydroxy Triphenylamine-Based Azo Dyes: Synthesis and Photophysical Properties on Polyester and Nylon Fabrics. <i>AATCC Journal of Research</i> , <b>2018</b> , 5, 17-26	1	
1	ESIPT Core Containing Benzothiazole and Benzimidazole Based Fluorescent Acid Azo Dyes for Protein Fiber: Synthesis, Spectral Characteristics, and Fastness Evaluation. <i>Polycyclic Aromatic Compounds</i> , 1-22	1.3	