

N Sekar

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1229688/n-sekar-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Deep-red/NIR emitting coumarin derivatives - Synthesis, photophysical properties, and biological applications. <i>Dyes and Pigments</i> , 2022 , 110306	4.6	2
284	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
283	NLOphoric imidazole-fused fluorescent anthraquinone dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 119017	4.4	2
282	Comparison of donors julolidine and triphenylamine in TCF-based NLOphoric dyes via DFT approach. <i>Molecular Physics</i> , 2021 , 119, e1853266	1.7	1
281	Review of NLOphoric azo dyes [Developments in hyperpolarizabilities in last two decades. <i>Dyes and Pigments</i> , 2021 , 191, 109367	4.6	9
280	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> , 2021 , 98, 100091		0
279	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, 1772-1785	3.6	33
278	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	4.7	11
277	Orange-Red Fluorescent (Partially Rigidified) Donor- π (rigidified)-Acceptor System - Computational Studies. <i>Journal of Fluorescence</i> , 2020 , 30, 565-579	2.4	3
276	Charge transfer and nonlinear optical properties of anthraquinone D- π A dyes in relation with the DFT based molecular descriptors and perturbational potential. <i>Computational and Theoretical Chemistry</i> , 2020 , 1174, 112712	2	15
275	Experimental and theoretical investigation of linear and nonlinear optical properties of ethyl-3-hydroxy-2-naphthoate azo dyes by solvatochromic, computational aspects, and Z-scan technique. <i>Journal of Physical Organic Chemistry</i> , 2020 , 33, e4050	2.1	5
274	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	4.7	5
273	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	4.4	15
272	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	2.4	4
271	Spectroscopic, DFT and Z-scan approach to study linear and nonlinear optical properties of Disperse Red 277. <i>Optical Materials</i> , 2020 , 99, 109536	3.3	7
270	Auxiliary hydroxy-phenanthro [9, 10-d] imidazole supported NLOphoric triphenylamine based donor- π -acceptor compounds: Synthesis, solvatochromism and computational aspects. <i>Journal of Luminescence</i> , 2020 , 219, 116902	3.8	5
269	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	3.4	22

268	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	4.7	9
267	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	4.7	1
266	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	1.8	1
265	Benzophenone based photostable fluorescent monoazo disperse dyes: Synthesis, AIE, viscosity, UPF and TD-DFT study. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	0
264	Comparison of chemical composition, antioxidant and antibacterial activity of Callistemon citrinus skeels (bottlebrush) essential oil obtained by conventional and microwave-assisted hydrodistillation. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2020 , 54, 230-244	1.4	4
263	Static- and frequency-dependent NLO properties of dithienothiophene and thienothiophene bridges: A computational investigation. <i>Journal of Theoretical and Computational Chemistry</i> , 2020 , 19, 2050018	1.8	0
262	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> , 2020 , 5, 10743-10753	1.8	3
261	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> , 2020 , 224, 117421	4.4	19
260	NLO characteristics of D-πA coumarin-thiophene bridged azo dyes by Z-scan and DFT methods. <i>Molecular Physics</i> , 2020 , 118, e1662127	1.7	8
259	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	3.4	2
258	Multifunctional properties of benzophenone based acid dyes: Synthesis, spectral properties and computational study. <i>Dyes and Pigments</i> , 2020 , 180, 108420	4.6	5
257	Towards NIR-Active Hydroxybenzazole (HBX)-Based ESIPT Motifs: A Recent Research Trend. <i>ChemistrySelect</i> , 2020 , 5, 2103-2113	1.8	17
256	ESIPT-rhodol derivatives with enhanced Stokes shift: Synthesis, photophysical properties, viscosity sensitivity and DFT studies. <i>Journal of Molecular Liquids</i> , 2019 , 294, 111626	6	7
255	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	4.7	4
254	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	3.8	17
253	NLOphoric Triphenylamine Derived Donor-acceptor-Donor Based Colorants: Synthesis, Spectroscopic, Density Functional Theory and Z-scan Studies. <i>Photochemistry and Photobiology</i> , 2019 , 95, 931-945	3.6	7
252	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	3.3	5
251	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	3.3	5

250	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	4.7	26
249	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	1.8	1
248	Biphenyl-Amine-Based D-π-A Sensitizers for DSSCs: Comparative Photo-Conversion Efficiency in Iodide/triiodide and Cobalt-Based Redox Electrolyte and DFT Study. <i>ChemistrySelect</i> , 2019 , 4, 7371-7379	1.8	2
247	Chlorine (Cl) - Substituted Carbazole Based A-π-B 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	2.4	2
246	Azo dyes with ES IPT core for textile applications and DFT study. <i>Dyes and Pigments</i> , 2019 , 170, 107626	4.6	17
245	Change in spectral properties of dyes upon immobilization on silicon surfaces: a combined theoretical and experimental study. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	
244	Synthesis, bioactivities, DFT and in-silico appraisal of azo clubbed benzothiazole derivatives. <i>Journal of Molecular Structure</i> , 2019 , 1192, 162-171	3.4	29
243	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	4.6	23
242	D-π-A coumarin hybrids derived from arylamine donors: DFT and Z-scan studies. <i>Optical Materials</i> , 2019 , 92, 100-110	3.3	6
241	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> , 2019 , 43, 8970-8981	3.6	15
240	Viscosity sensitive red shifted novel D-π carbazole chromophore with chlorine in spacer: Synthesis, photophysical properties, NLO study and DFT approach. <i>Journal of Luminescence</i> , 2019 , 211, 162-175	3.8	5
239	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	4.7	7
238	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	2	1
237	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> , 2019 , 4, 4044-4056	1.8	11
236	NLO-Phoric Emissive Quinoxaline Analog of Quinoline Yellow 54 and Z-Scan Studies. <i>ChemistrySelect</i> , 2019 , 4, 3752-3761	1.8	4
235	Synthesis of red emitting triphenylamine derived NLOphoric D-π molecules: photophysical, and viscosity sensing studies. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	3
234	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	4.4	8
233	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	4.4	25

232	Novel Aza-BODIPY based turn on selective and sensitive probe for on-site visual detection of bivalent copper ions. <i>Dyes and Pigments</i> , 2019 , 171, 107684	4.6	12
231	N-Ethyl Carbazole Derived D- π -A- π D Based Fluorophores: Consolidated Spectroscopic, Viscosity and DFT Studies. <i>ChemistrySelect</i> , 2019 , 4, 11966-11978	1.8	2
230	Theoretical Investigation of Optical and Nonlinear Optical (NLO) Properties of 3-Azabenzanthrone Analogues : DFT and TD-DFT Approach.. <i>ChemistrySelect</i> , 2019 , 4, 10033-10045	1.8	7
229	Pyrene Based NLOphoric D- π A- 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	1.8	4
228	Near IR emitting novel rhodanine-3-acetic acid based two donor- π acceptor sensitizers for DSSC: Synthesis and application. <i>Dyes and Pigments</i> , 2019 , 165, 391-399	4.6	11
227	Non-Linear Optical Properties of Disperse Blue 354 and Disperse Blue183 by DFT and Z-Scan Technique. <i>Polycyclic Aromatic Compounds</i> , 2019 , 1-18	1.3	3
226	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	1.8	6
225	NLO Properties of 2-Naphthol Monoazo Disperse Dyes by DFT and Z-Scan Technique [A Detailed Study. <i>ChemistrySelect</i> , 2019 , 4, 13846-13855	1.8	1
224	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	2.4	3
223	Extensive Study of Rhodanine-Arylamine-Based Chromophores: Consolidated Optical, DFT/TD-DFT and Non-Linear Optical Properties. <i>ChemistrySelect</i> , 2019 , 4, 211-221	1.8	4
222	Photostable coumarin containing azo dyes with multifunctional property. <i>Dyes and Pigments</i> , 2019 , 163, 692-699	4.6	29
221	Multi-stimuli responsive emissive NLOphoric colorants [A recent trend in research. <i>Dyes and Pigments</i> , 2019 , 163, 675-683	4.6	12
220	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	3.4	2
219	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 , 378, 45-50	4.7	6
218	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	3.6	63
217	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	4.4	8
216	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 ²⁻⁴	2.4	5
215	Fluorescent 7-Substituted Coumarin Dyes: Solvatochromism and NLO Studies. <i>Journal of Fluorescence</i> , 2019 , 29, 121-135	2.4	10

214	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	4.7	6
213	Rhodanine-3-acetic acid containing D- π A push-pull chromophores: Effect of methoxy group on the performance of dye-sensitized solar cells. <i>Organic Electronics</i> , 2019 , 65, 386-393	3.5	14
212	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	3.6	9
211	Design and Synthesis of Coumarin-Imidazole Hybrid Chromophores: Solvatochromism, Acidochromism and Nonlinear Optical Properties. <i>Photochemistry and Photobiology</i> , 2019 , 95, 740-754	3.6	13
210	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	3.6	34
209	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	1.8	19
208	Viscosity induced emission of red-emitting NLOphoric coumarin morpholine-thiazole hybrid styryl dyes as FMRs: Consolidated experimental and theoretical approach. <i>Optical Materials</i> , 2018 , 79, 90-107	3.3	14
207	Large Stokes Shifted Far-Red to NIR-Emitting D- π A Coumarins: Combined Synthesis, Experimental, and Computational Investigation of Spectroscopic and Non-Linear Optical Properties. <i>ChemistrySelect</i> , 2018 , 3, 4393-4405	1.8	11
206	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> , 2018 , 28, 639-653	2.4	3
205	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	1.8	4
204	Effect of structural manipulation in hetero-tri-aryl amine donor-based D- π A sensitizers in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018 , 42, 4361-4371	3.6	16
203	Modulation of the Photophysical Properties of π -substituted BODIPY Dyes. <i>Journal of Fluorescence</i> , 2018 , 28, 381-392	2.4	4
202	Bedford-Type Palladacycle-Catalyzed Miyaura Borylation of Aryl Halides with Tetrahydroxydiboron in Water. <i>Journal of Organic Chemistry</i> , 2018 , 83, 1842-1851	4.2	12
201	NLO properties of ester containing fluorescent carbazole based styryl dyes [Consolidated spectroscopic and DFT approach. <i>Optical Materials</i> , 2018 , 76, 191-209	3.3	30
200	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	2	9
199	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	3.6	7
198	Fluorescent pyridopyrimidine fused pyranones - design, synthesis, fluorescent whitening and DFT studies. <i>Journal of Luminescence</i> , 2018 , 194, 248-256	3.8	9
197	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	4.6	35

196	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	1.8	3
195	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> , 2018 , 159, 209-221	4.6	17
194	Electronic structure and spectral properties of indole based fluorescent styryl dyes: Comprehensive study on linear and non-linear optical properties by DFT/TDDFT method. <i>Computational and Theoretical Chemistry</i> , 2018 , 1139, 90-101	2	12
193	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> , 2018 , 1173, 349-365	3.4	0
192	Excitation energy transfer processes in BODIPY based donor-acceptor system - Synthesis, photophysics, NLO and DFT study. <i>Optical Materials</i> , 2018 , 84, 795-806	3.3	14
191	4-(Diethylamino) salicylaldehyde based fluorescent Salen ligand with red-shifted emission [A facile synthesis and DFT investigation. <i>Journal of Luminescence</i> , 2018 , 204, 354-367	3.8	11
190	NIR emitting new N, N-diethylaniline based NLOphoric D-EA and D-A?-EA dyes: Photophysical properties, viscosity sensitivity and DFT studies. <i>Journal of Luminescence</i> , 2018 , 204, 436-447	3.8	14
189	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	7	15
188	Fluorescent meso-benzyl curcuminoid boron complex: Synthesis, photophysics, DFT and NLO study. <i>Optical Materials</i> , 2018 , 84, 786-794	3.3	15
187	Linear correlation between DSSC efficiency, intramolecular charge transfer characteristics, and NLO properties [DFT approach. <i>Computational and Theoretical Chemistry</i> , 2018 , 1138, 75-83	2	26
186	Excited State and Non-linear Optical Properties of NIR Absorbing [Thiophene-Fused BF-Azadipyrromethene Dyes-Computational Investigation. <i>Journal of Fluorescence</i> , 2018 , 28, 243-250	2.4	4
185	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 ^{1,2}	1.0	2
184	Water promoted allylic nucleophilic substitution reactions of (E)-1,3 diphenylallyl acetate. <i>Green Chemistry</i> , 2018 , 20, 425-430	10	10
183	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> , 2018 , 178, 472-480	6.7	14
182	Fluorescent Benzocoumarin-EExtended Styryl Hybrids: Solvatochromism, Excess Dipole Moment, NLO Properties and DFT Study. <i>Journal of Fluorescence</i> , 2018 , 28, 293-309	2.4	9
181	NLOphoric rigid pyrazino-phenanthroline donor-Eacceptor compounds: Investigation of structural and solvent effects on non-linear optical properties using computational methods. <i>Optical Materials</i> , 2018 , 75, 379-389	3.3	11
180	Methoxy and Hydroxy Triphenylamine-Based Azo Dyes: Synthesis and Photophysical Properties on Polyester and Nylon Fabrics. <i>AATCC Journal of Research</i> , 2018 , 5, 17-26	1	
179	Fluorescent NLOphoric Coumarins: A Short Review. <i>Reviews in Fluorescence</i> , 2018 , 123-144	0	4

178	2-(1,1-dioxidobenzo[b]thiophen-3(2H)-ylidene)malononitrile (BTD) Based Styryl Chromophores-Solvatochromic and Computational Investigation of Linear and NLO properties. <i>ChemistrySelect</i> , 2018 , 3, 13654-13664	1.8	6
177	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	1.8	4
176	Triphenyl borate catalyzed synthesis of amides from carboxylic acids and amines. <i>Tetrahedron</i> , 2018 , 74, 6954-6958	2.4	8
175	Fluorescent carbazole based pyridone dyes Synthesis, solvatochromism, linear and nonlinear optical properties. <i>Optical Materials</i> , 2018 , 85, 308-318	3.3	10
174	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	2	4
173	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	3.6	30
172	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	4.4	11
171	Highly Stoke shifted near infrared (NIR) emitting donor- π -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	4.7	5
170	Viscosity sensitive fluorescent coumarin-carbazole chalcones and their BF ₂ complexes containing carboxylic acid Synthesis and solvatochromism. <i>Journal of Molecular Liquids</i> , 2018 , 264, 358-366	6	8
169	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> , 2018 , 122, 14313-14325	3.8	31
168	Carbazole based NLOphoric styryl dyes- synthesis and study of photophysical properties by solvatochromism and viscosity sensitivity. <i>Journal of Luminescence</i> , 2018 , 202, 212-224	3.8	17
167	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	4.7	5
166	Non-linear optical study of BODIPY-benzimidazole conjugate by solvatochromic, Z-scan and theoretical methods. <i>Optical Materials</i> , 2017 , 64, 453-460	3.3	29
165	Coumarin-Rhodamine Hybrids Synthesis, Photophysical Properties, NLO Properties and DFT Studies. <i>ChemistrySelect</i> , 2017 , 2, 1464-1478	1.8	12
164	Triphenylamine-Based Fluorescent Styryl Dyes: DFT, TD-DFT and Non-Linear Optical Property Study. <i>Journal of Fluorescence</i> , 2017 , 27, 993-1007	2.4	14
163	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	4.8	64
162	Spectroscopic, DFT and Z-scan supported investigation of dicyanoisophorone based push-pull NLOphoric styryl dyes. <i>Optical Materials</i> , 2017 , 66, 494-511	3.3	33
161	Photostability of Coumarin Laser Dyes - a Mechanistic Study Using Global and Local Reactivity Descriptors. <i>Journal of Fluorescence</i> , 2017 , 27, 1101-1108	2.4	21

160	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	2.4	5
159	Benzocoumarin-Styryl Hybrids: Aggregation and Viscosity Induced Emission Enhancement. <i>Journal of Fluorescence</i> , 2017 , 27, 1747-1758	2.4	5
158	Coumarin-Pyrazole Hybrid with Red Shifted ESIPT Emission and AIE Characteristics - a Comprehensive Study. <i>Journal of Fluorescence</i> , 2017 , 27, 1687-1707	2.4	11
157	NLOphoric 3,6-di(substituted quinoxalin) Carbazoles - Synthesis, Photophysical Properties and DFT Studies. <i>Journal of Fluorescence</i> , 2017 , 27, 1531-1540	2.4	5
156	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	1.8	4
155	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	3.8	5
154	Nonlinear Optical Properties of Pyrene Based Fluorescent Hemicurcuminoid and their BF Complexes -Spectroscopic and DFT Studies. <i>Journal of Fluorescence</i> , 2017 , 27, 1777-1792	2.4	4
153	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	1.8	6
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	3.8	13
151	Stimuli-responsive luminescent coumarin thiazole hybrid dye: Synthesis, aggregation induced emission, thermochromism and DFT study. <i>Dyes and Pigments</i> , 2017 , 142, 121-125	4.6	21
150	Benzophenone based fluorophore for selective detection of Sn ion: Experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 174, 291-296	4.4	13
149	NLOphoric multichromophoric auxiliary methoxy aided triphenylamine D-πA chromophores □ Spectroscopic and computational studies. <i>Optical Materials</i> , 2017 , 73, 602-616	3.3	22
148	Influence of the AcidBase Component of Surface Energy on Optical Properties of Immobilized Dyes. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13543-13551	3.9	1
147	Coumarin-Rhodamine Hybrids-Novels Probes for the Optical Measurement of Viscosity and Polarity. <i>Journal of Fluorescence</i> , 2017 , 27, 1949-1956	2.4	12
146	Investigation of NLO Properties of Fluorescent BORICO Dyes: a Comprehensive Experimental and Theoretical Approach. <i>Journal of Fluorescence</i> , 2017 , 27, 2253-2262	2.4	2
145	Triphenylamine-based fluorescent NLO phores with ICT characteristics: Solvatochromic and theoretical study. <i>Journal of Molecular Structure</i> , 2017 , 1150, 493-506	3.4	10
144	Proton Induced Modulation of ICT and PET Processes in an Imidazo-phenanthroline Based BODIPY Fluorophores. <i>Journal of Fluorescence</i> , 2017 , 27, 2313-2322	2.4	12
143	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> , 2017 , 2, 7691-7700	1.8	13

142	Enhanced NLO response in BODIPY-coumarin hybrids: density functional theory approach. <i>Journal of Chemical Sciences</i> , 2017 , 129, 1349-1361	1.8	10
141	Fluorescent vinyl and styryl coumarins: A comprehensive DFT study of structural, electronic and NLO properties. <i>Journal of Chemical Sciences</i> , 2017 , 129, 1829-1841	1.8	18
140	Carbazole-Based Mono and Bis-styryl NLOphores: Structure Property Correlations. <i>Journal of Solution Chemistry</i> , 2017 , 46, 2109-2129	1.8	6
139	An acac-BODIPY dye as a reversible ON-OFF-ON fluorescent sensor for Cu ²⁺ and S ²⁻ ions based on displacement approach. <i>Journal of Luminescence</i> , 2017 , 190, 476-484	3.8	18
138	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	1.8	9
137	Solvatochromic benzo[h] coumarins: Synthesis, solvatochromism, NLO and DFT study. <i>Optical Materials</i> , 2017 , 72, 346-358	3.3	12
136	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	3.3	25
135	NLOphoric donor-rigidified ESIPT dyes [Synthesis, pH study, solvatochromism and DFT insights. <i>Journal of Luminescence</i> , 2017 , 192, 343-358	3.8	8
134	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	4.6	26
133	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	4.6	37
132	Red emitting triphenylamine based rhodamine analogous with enhanced Stokes shift and viscosity sensitive emission. <i>Dyes and Pigments</i> , 2017 , 138, 56-67	4.6	20
131	Novel Thiazole Based Styryl Dyes with Benzimidazole Unit - Synthesis, Photophysical and TD-DFT Studies. <i>Journal of Fluorescence</i> , 2017 , 27, 167-180	2.4	4
130	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	4.6	38
129	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	4.6	58
128	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> , 2017 , 136, 321-334	4.6	17
127	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	4.7	30
126	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, 241-51	4.4	42
125	Synthesis of triazine based dialdehyde Schiff's base [new templates for Molecular Imprinting and study of their structural and photophysical properties. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S1793-S1800	5.9	3

124	Synthesis and antimicrobial activity of novel 2-substituted benzimidazole, benzoxazole and benzothiazole derivatives. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S1125-S1130	5.9	49
123	Indole-Based NLOphoric Donor-Acceptor Styryl Dyes: Synthesis, Spectral Properties and Computational Studies. <i>Journal of Fluorescence</i> , 2016 , 26, 2063-2077	2.4	6
122	Solvent-Driven Conformational Exchange for Amide-Linked Bichromophoric BODIPY Derivatives. <i>Chemistry - A European Journal</i> , 2016 , 22, 14356-66	4.8	12
121	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, 1805-12	2.4	8
120	Solvatochromism, halochromism, and azo-hydrazone tautomerism in novel V-shaped azo-azine colorants Consolidated experimental and computational approach. <i>Coloration Technology</i> , 2016 , 132, 387-398	2	10
119	Novel triphenylamine based rhodamine derivatives: synthesis, characterization, photophysical properties and viscosity sensitivity. <i>RSC Advances</i> , 2016 , 6, 100271-100280	3.7	6
118	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	3.7	11
117	Acridine-1, 8-diones A new class of thermally stable NLOphores: Photophysical, (hyper)polarizability and TD-DFT studies. <i>Optical Materials</i> , 2016 , 62, 306-319	3.3	8
116	Synthesis and optical response to acids and bases of a new styryl- β -hydro-benzo[a]phenazine chromophores. <i>Tetrahedron</i> , 2016 , 72, 7968-7974	2.4	4
115	Dispersant-free disperse dyes for polyester an eco-friendly approach. <i>Journal of the Textile Institute</i> , 2016 , 1-6	1.5	2
114	NLOphoric Carbazole-Containing Push-Pull Extended Styryl Chromophores: Study of Photophysical Properties by Solvatochromic and DFT Method. <i>Journal of Fluorescence</i> , 2016 , 26, 1261-70	2.4	5
113	A Lawsonsone-DAMN based colorimetric chemosensor for rapid naked-eye detection of mercury(II). <i>New Journal of Chemistry</i> , 2016 , 40, 6803-6811	3.6	13
112	NIR-emitting quinone-fused coumarin dyes: aqueous mediated, catalyst free synthesis and their optical properties. <i>Tetrahedron Letters</i> , 2016 , 57, 3100-3104	2	4
111	Red emitting NLOphoric 3-styryl coumarins: Experimental and computational studies. <i>Optical Materials</i> , 2016 , 51, 121-127	3.3	39
110	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	4.6	27
109	Pyrazole based NLOphores: Synthesis, photophysical, DFT, TDDFT studies. <i>Dyes and Pigments</i> , 2016 , 127, 116-127	4.6	20
108	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> , 2016 , 321, 63-71	4.7	16
107	Novel 2H-pyran-3-carbonitrile dyes Synthesis, solvatochromism study, and DFT, TD-DFT computations. <i>Journal of Luminescence</i> , 2016 , 176, 298-308	3.8	7

106	Coumarin Push-Pull NLOphores with Red Emission: Solvatochromic and Theoretical Approach. <i>Journal of Fluorescence</i> , 2016 , 26, 949-62	2.4	28
105	Nonlinear optical properties of curcumin: solvatochromism-based approach and computational study. <i>Molecular Physics</i> , 2016 , 114, 1867-1879	1.7	37
104	Carbazole-containing push-pull chromophore with viscosity and polarity sensitive emissions: Synthesis and photophysical properties. <i>Dyes and Pigments</i> , 2016 , 129, 1-8	4.6	22
103	Red-emitting NLOphoric carbazole-coumarin hybrids - Synthesis, photophysical properties and DFT studies. <i>Dyes and Pigments</i> , 2016 , 129, 174-185	4.6	30
102	NLOphoric Red Emitting Bis Coumarins with O-BF(2)-O core - Synthesis, Photophysical Properties and DFT Studies. <i>Journal of Fluorescence</i> , 2016 , 26, 471-86	2.4	15
101	AIE Based Coumarin Chromophore - Evaluation and Correlation Between Solvatochromism and Solvent Polarity Parameters. <i>Journal of Fluorescence</i> , 2016 , 26, 497-511	2.4	12
100	Pyrazole based solid state emissive NLOphores with TICT characteristics: Synthesis, DFT and TDDFT studies. <i>Dyes and Pigments</i> , 2016 , 126, 62-75	4.6	29
99	Aggregation induced emissive carbazole-based push pull NLOphores: Synthesis, photophysical properties and DFT studies. <i>Dyes and Pigments</i> , 2016 , 124, 82-92	4.6	43
98	Synthesis and Antimicrobial Activities of Novel 2-[substituted-1H-pyrazol-4-yl] Benzothiazoles, Benzoxazoles, and Benzimidazoles. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 1347-1355	1.9	9
97	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> , 2016 , 327, 58-70	4.7	18
96	Light fast monoazo dyes with an inbuilt photostabilizing unit: Synthesis and computational studies. <i>Fibers and Polymers</i> , 2016 , 17, 349-357	2	26
95	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, 1295-307	2.4	4
94	Red Emitting Coumarin-Azo Dyes : Synthesis, Characterization, Linear and Non-linear Optical Properties-Experimental and Computational Approach. <i>Journal of Fluorescence</i> , 2016 , 26, 1279-93	2.4	28
93	Novel Rhodafluors: Synthesis, Photophysical, pH and TD-DFT Studies. <i>Journal of Fluorescence</i> , 2016 , 26, 2187-2197	2.4	6
92	Acridine derivative as a Turn on probe for selective detection of picric acid via PET deterrence. <i>RSC Advances</i> , 2016 , 6, 84319-84325	3.7	19
91	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	2	11
90	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> , 2016 , 179, 420-428	3.8	13
89	Chemiluminescence properties of luminol related quinoxaline analogs: Experimental and DFT based approach to photophysical properties. <i>Dyes and Pigments</i> , 2015 , 117, 49-60	4.6	4

88	Study on Synthesis and Fluorescence of Novel Benzofused Phenazine π -Conjugated Skeleton with Coumarin and Isophoron Cores. <i>Journal of Fluorescence</i> , 2015 , 25, 1095-102	2.4	3
87	Disperse styryl and azo dyes for polyester and nylon fibre: Synthesis, optical properties having the 1,2,4-triketone naphthoquinone skeleton. <i>Fibers and Polymers</i> , 2015 , 16, 1068-1074	2	12
86	Push-pull fluorophores with viscosity dependent and aggregation induced emissions insensitive to polarity. <i>Dyes and Pigments</i> , 2015 , 122, 359-367	4.6	17
85	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	8.5	48
84	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, 675-84	2.4	7
83	DFT studies of the photophysical properties of fluorescent and semiconductor polycyclic benzimidazole derivatives. <i>Journal of Fluorescence</i> , 2015 , 25, 685-94	2.4	12
82	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> , 2015 , 25, 985-96	2.4	13
81	Highly sensitive and selective chemosensors for Cu ²⁺ and Al ³⁺ based on photoinduced electron transfer (PET) mechanism. <i>RSC Advances</i> , 2015 , 5, 27282-27289	3.7	20
80	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	4.6	41
79	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> , 2015 , 25, 835-48	2.4	1
78	Novel Iminocoumarin Derivatives: Synthesis, Spectroscopic and Computational Studies. <i>Journal of Fluorescence</i> , 2015 , 25, 1615-28	2.4	15
77	NLOphoric studies in thiazole containing symmetrical push-pull fluorophores π -Combined experimental and DFT approach. <i>Optical Materials</i> , 2015 , 48, 271-280	3.3	11
76	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, 1787-800	2.4	7
75	Condensation pigments for pigment printing of cotton - synthesis, photophysical properties, TD-DFT studies. <i>Fibers and Polymers</i> , 2015 , 16, 809-818	2	1
74	Rigid Coumarins: a Complete DFT, TD-DFT and Non Linear Optical Property Study. <i>Journal of Fluorescence</i> , 2015 , 25, 1469-80	2.4	32
73	PET governed fluorescence π -turn ON-BODIPY probe for selective detection of picric acid. <i>RSC Advances</i> , 2015 , 5, 89482-89487	3.7	22
72	Red Emitting Coumarins: Insights of Photophysical Properties with DFT Methods. <i>Journal of Fluorescence</i> , 2015 , 25, 1117-26	2.4	13
71	Pigment Yellow 101 analogs from 3-(1,3-benzothiazol-2-yl)-2-hydroxynaphthalene-1-carbaldehyde π -Synthesis and characterization. <i>Dyes and Pigments</i> , 2015 , 123, 274-284	4.6	8

70	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	3.8	8
69	Novel Fluorescent Phenazines : Synthesis, Characterization, Photophysical Properties and DFT Calculations. <i>Journal of Fluorescence</i> , 2015 , 25, 1403-15	2.4	6
68	NIR-emitting boradiazaindacene fluorophores -TD-DFT studies on electronic structure and photophysical properties. <i>Journal of Fluorescence</i> , 2015 , 25, 69-78	2.4	22
67	A combined experiment and computation study of the fused polycyclic benzimidazole derivatives. <i>Journal of Fluorescence</i> , 2015 , 25, 127-36	2.4	1
66	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> , 2015 , 52, 124-129	1.9	12
65	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	3.8	10
64	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, 457-65	4.4	11
63	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	4.6	7
62	Congeners of Pyrromethene-567 Dye: Perspectives from Synthesis, Photophysics, Photostability, Laser, and TD-DFT Theory. <i>Journal of Organic Chemistry</i> , 2015 , 80, 6152-64	4.2	52
61	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, 17221-36	3.6	29
60	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	2	21
59	Novel Fluorescein-Based Fluorophores: Synthesis, Photophysics and Micro-Environmental Study. <i>Journal of Fluorescence</i> , 2015 , 25, 1835-45	2.4	3
58	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	4.6	7
57	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	4.6	25
56	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	4.4	8
55	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	3.8	9
54	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, 678-86	4.4	11
53	Excited state intramolecular proton transfer of 2-(2,6'-dihydroxyphenyl)benzoxazole: Insights using computational methods. <i>Journal of Luminescence</i> , 2014 , 154, 267-273	3.8	7

52	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, 1087-98	2.4	5
51	Phenalenone fluorophores-synthesis, photophysical properties and DFT study. <i>Journal of Fluorescence</i> , 2014 , 24, 1827-40	2.4	6
50	Masking and demasking strategies for the BF ₂ -BODIPYs as a tool for BODIPY fluorophores. <i>Journal of Organic Chemistry</i> , 2014 , 79, 10981-7	4.2	20
49	Novel twisted intramolecular charge transfer (TICT) extended fluorescent styryl derivatives containing quinoline electron releasing moiety. <i>Journal of Fluorescence</i> , 2014 , 24, 1811-25	2.4	6
48	Synthesis of novel carbazole fused coumarin derivatives and DFT approach to study their photophysical properties. <i>Journal of Fluorescence</i> , 2014 , 24, 1503-18	2.4	11
47	Synthesis of novel carbazole based styryl: rational approach for photophysical properties and TD-DFT. <i>Journal of Fluorescence</i> , 2014 , 24, 1457-72	2.4	
46	Fluorescent coumarin derivatives with viscosity sensitive emission--synthesis, photophysical properties and computational studies. <i>Journal of Fluorescence</i> , 2014 , 24, 1263-74	2.4	14
45	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	3.8	9
44	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> , 2014 , 24, 1077-86	2.4	13
43	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	3.8	29
42	Synthesis of novel dipodal-benzimidazole, benzoxazole and benzothiazole from cyanuric chloride: Structural, photophysical and antimicrobial studies. <i>Journal of Saudi Chemical Society</i> , 2014 , 18, 262-268	4.3	17
41	TDDFT investigation of the electronic structures and photophysical properties of fluorescent extended styryl push-pull chromophores containing carbazole unit. <i>Journal of Fluorescence</i> , 2013 , 23, 1121-38	2.4	21
40	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, 1019-29	2.4	39
39	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, 839-51	2.4	29
38	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	4.6	28
37	UV-absorbent, antimicrobial, water-repellent and other types of functional dye for technical textile applications 2013 , 47-77		0
36	ESIPT-inspired benzothiazole fluorescein: Photophysics of microenvironment pH and viscosity. <i>Dyes and Pigments</i> , 2013 , 98, 507-517	4.6	35
35	Preparation of color filters using azo and nitroso colorants. <i>Fibers and Polymers</i> , 2013 , 14, 1-7	2	2

34	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> , 2013 , 69, 1767-1777	2.4	38
33	Red emitting solid state fluorescent triphenylamine dyes: Synthesis, photo-physical property and DFT study. <i>Dyes and Pigments</i> , 2013 , 97, 429-439	4.6	51
32	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	4.6	32
31	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	1.6	5
30	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	1.9	1
29	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. <i>Journal of Chemical Sciences</i> , 2013 , 125, 141-151	1.8	15
28	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	4.6	65
27	Optical effect pigments for technical textile applications 2013 , 37-46		3
26	Synthesis and photo-physical characteristics of ESIPT inspired 2-substituted benzimidazole, benzoxazole and benzothiazole fluorescent derivatives. <i>Journal of Fluorescence</i> , 2012 , 22, 311-22	2.4	57
25	Novel ESIPT Fluorescein: Sensor for Blood and Viscosity. <i>BioNanoScience</i> , 2012 , 2, 259-265	3.4	4
24	Intrinsic catalytic activity of an acidic ionic liquid as a solvent for quinazoline synthesis. <i>Catalysis Science and Technology</i> , 2012 , 2, 1681	5.5	11
23	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	3.7	10
22	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	1.7	33
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	4.7	44
20	Synthesis of new ESIPT-fluorescein: photophysics of pH sensitivity and fluorescence. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 536-45	2.8	68
19	Synthesis and characterization of molecules containing thiazole and oxazole moieties and study of ESIPT phenomenon. <i>Journal of Fluorescence</i> , 2012 , 22, 1237-48	2.4	4
18	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,	1.7	3
17	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	1.7	24

16	Synthesis and photo-physical properties of fluorescent 1,3,5-triazine styryl derivatives. <i>Chemistry Central Journal</i> , 2011 , 5, 77		15
15	The synthesis and photo-physical properties of extended styryl fluorescent derivatives of N-ethyl carbazole. <i>Dyes and Pigments</i> , 2011 , 88, 378-384	4.6	60
14	Synthesis and characterization of novel 2, 2'-bipyrimidine fluorescent derivative for protein binding. <i>Chemistry Central Journal</i> , 2011 , 5, 72		5
13	Direct dyes 2011 , 425-445		2
12	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, 738361		4
11	Acid dyes 2011 , 486-514		3
10	Metal complex dyes for dye-sensitized solar cells: Recent developments 2010 , 15, 819-831		42
9	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	3.1	9
8	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	3.1	6
7	Fluoroimmunoassay based on suppression of fluorescence self-quenching for ultra-sensitive detection of herbicide diuron. <i>Analytica Chimica Acta</i> , 2010 , 676, 87-92	6.6	28
6	Spectroscopic analysis and DFT calculations of a food additive carmoisine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 72, 654-62	4.4	255
5	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> , 2008 , 111, 390-393		3
4	FT-Raman, IR and UV-visible spectral investigations and ab initio computations of a nonlinear food dye amaranth. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 928-936	2.3	48
3	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> , 2008 , 69, 82-90	4.4	20
2	Studies on the use of 7-Amino-3-(4-aminophenyl)quinoline as a benzidine substitute. <i>Dyes and Pigments</i> , 1986 , 7, 457-465	4.6	5
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	