

Shantaram Kothavale

List of Publications by Year in descending order

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papers

723
citations

567281

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all docs

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docs citations

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times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Three- and Four-Coordinate, Boron-Based, Thermally Activated Delayed Fluorescent Emitters. <i>Advanced Optical Materials</i> , 2020, 8, 2000922.	7.3	102
2	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.	3.7	67
3	Isomeric Quinoxalinedicarbonitrile as Color-Managing Acceptors of Thermally Activated Delayed Fluorescent Emitters. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17583-17591.	8.0	49
4	Rational Molecular Design of Highly Efficient Yellow-Red Thermally Activated Delayed Fluorescent Emitters: A Combined Effect of Auxiliary Fluorine and Rigidified Acceptor Unit. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 18730-18738.	8.0	48
5	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.	3.7	47
6	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.	3.7	46
7	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.	3.7	44
8	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.	3.9	43
9	High efficiency and long lifetime orange-red thermally activated delayed fluorescent organic light emitting diodes by donor and acceptor engineering. <i>Journal of Materials Chemistry C</i> , 2021, 9, 528-536.	5.5	32
10	NLOphoric multichromophoric auxiliary methoxy aided triphenylamine D-A chromophores – Spectroscopic and computational studies. <i>Optical Materials</i> , 2017, 73, 602-616.	3.6	25
11	Red emitting triphenylamine based rhodamine analogous with enhanced Stokes shift and viscosity sensitive emission. <i>Dyes and Pigments</i> , 2017, 138, 56-67.	3.7	24
12	Rational design of CN substituted dibenzo[a,c]phenazine acceptor for color tuning of thermally activated delayed fluorescent emitters. <i>Chemical Engineering Journal</i> , 2022, 431, 134216.	12.7	22
13	Color tuning of dibenzo[a,c]phenazine-2,7-dicarbonitrile-derived thermally activated delayed fluorescence emitters from yellow to deep-red. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7059-7066.	5.5	21
14	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.	3.7	20
15	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.	1.5	19
16	Proton Induced Modulation of ICT and PET Processes in an Imidazo-phenanthroline Based BODIPY Fluorophores. <i>Journal of Fluorescence</i> , 2017, 27, 2313-2322.	2.5	15
17	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.	3.6	14
18	NLOphoric rigid pyrazino-phenanthroline donor-acceptor compounds: Investigation of structural and solvent effects on non-linear optical properties using computational methods. <i>Optical Materials</i> , 2018, 75, 379-389.	3.6	14

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19	Isomer engineering of dipyrido[3,2- <i>a</i> :3',4'- <i>c</i>]phenazine-acceptor-based red thermally activated delayed fluorescent emitters. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6043-6049.	5.5	11
20	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.	1.5	10
21	CN-Modified Imidazopyridine as a New Electron Accepting Unit of Thermally Activated Delayed Fluorescent Emitters. <i>Chemistry - A European Journal</i> , 2020, 26, 845-852.	3.3	10
22	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.	3.9	7
23	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.	1.5	7
24	Novel triphenylamine based rhodamine derivatives: synthesis, characterization, photophysical properties and viscosity sensitivity. <i>RSC Advances</i> , 2016, 6, 100271-100280.	3.6	6
25	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.	1.2	6
26	3-Cyano Imidazopyridine Acceptor-Based Bipolar and <i>n</i> -Type Host Materials for Phosphorescent Organic Light-Emitting Diodes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2218-2222.	2.7	5
27	Molecular Design Strategy of Thermally Activated Delayed Fluorescent Emitters Using CN-Substituted Imidazopyrazine as a New Electron-Accepting Unit. <i>Chemistry - an Asian Journal</i> , 2020, 15, 122-128.	3.3	5
28	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.	2.2	4
29	Synthesis of Novel Carbazole based Styryl: Rational Approach for Photophysical Properties and TD-DFT. <i>Journal of Fluorescence</i> , 2014, 24, 1457-1472.	2.5	0
30	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.	0.6	0