

Neeraj Agarwal

List of Publications by Year in descending order

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1095
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular-Wire Behavior of OLED Materials: Exciton Dynamics in Multichromophoric Alq3-Oligofluorene-Pt(II)porphyrin Triads. <i>Journal of the American Chemical Society</i> , 2006, 128, 12436-12438.	13.7	136
2	Tuning of HOMO levels of carbazole derivatives: New molecules for blue OLED. <i>Synthetic Metals</i> , 2011, 161, 466-473.	3.9	62
3	A Simple Route to Prepare Monofunctionalised 21-Thia-, 21,23-Dithia-, and 21-Thia-23-oxaporphyrins from Unsymmetrical Thiophene Diols and Their Use in the Synthesis of Covalently Linked Unsymmetrical Porphyrin Dimers. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2500-2517.	2.4	57
4	Ultrafast Energy Transfer in Oligofluorene-Aluminum Bis(8-hydroxyquinoline)acetylacetonate Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 1787-1795.	13.7	53
5	Synthesis, photophysical and electrochemical studies of acridone-amine based donor-acceptors for hole transport materials. <i>RSC Advances</i> , 2016, 6, 17129-17137.	3.6	48
6	Synthesis of dithiaporphyrin-based singlet-singlet energy transfer systems. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, 1644-1648.	1.3	37
7	Thermally Activated Delayed Fluorescence (Green) in Undoped Film and Exciplex Emission (Blue) in Acridone-Carbazole Derivatives for OLEDs. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1003-1014.	3.1	36
8	Synthesis of 21-thia and 21-oxaporphyrin building blocks and boron-dipyrrin appended systems. <i>Tetrahedron</i> , 2002, 58, 5347-5356.	1.9	34
9	Blue and white light electroluminescence in a multilayer OLED using a new aluminium complex. <i>Journal of Chemical Sciences</i> , 2010, 122, 847-855.	1.5	28
10	Synthesis of N3S, N3O, N2S2, N2O2, N2SO and N2OS Porphyrins with Onemeso-Unsubstituted Carbon. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2223-2230.	2.4	24
11	Synthesis, characterization, photophysical and electrochemical properties of new phosphorescent dopants for OLEDs. <i>Tetrahedron Letters</i> , 2008, 49, 2710-2713.	1.4	23
12	Novel and Rapid Synthetic Routes to A3B- and AB3-Type 21-Thiaporphyrins and Their Use in the Construction of Unsymmetrical Covalent and Non-Covalent Porphyrin Arrays. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 1693-1697.	2.4	22
13	Pure exciplex electroluminescence in blended film of small organic molecules. <i>Synthetic Metals</i> , 2010, 160, 722-727.	3.9	20
14	Synthesis and Studies of Aza-BODIPY-Based Conjugates for Organic Electronic Applications. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1416-1422.	2.4	20
15	Ferrocene catalysed C-H arylation of arenes and reaction mechanism study using cyclic voltammetry. <i>Tetrahedron Letters</i> , 2016, 57, 4228-4231.	1.4	19
16	Synthesis of Energy Donors Appended Dithiaporphyrin Systems. <i>Chemistry Letters</i> , 2000, 29, 836-837.	1.3	18
17	Synthesis, photophysical and electrochemical properties of 2,8-diaryl-dibenzothiophene derivatives for organic electronics. <i>Journal of Chemical Sciences</i> , 2010, 122, 119-124.	1.5	17
18	Synthesis and photophysical studies of heteroaryl substituted-BODIPy derivatives for biological applications. <i>Tetrahedron Letters</i> , 2014, 55, 7124-7129.	1.4	17

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19	Thiaporphyrins with One, Two and Four Unsubstitutedmeso-Carbons: Synthesis and Functionalization. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 3730-3734.	2.4	16
20	meso-5-Bromo-10,15,20-tri(p-tolyl)-21-thiaporphyrin as a Precursor for the Synthesis of Novel Compounds. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 1168-1175.	2.4	16
21	Synthesis of imidazoaryl-BODIPY derivatives for anion sensing applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 343, 66-71.	3.9	16
22	Synthesis, photoluminescence and electrochemical properties of 2,7-diarylfluorene derivatives. <i>Journal of Chemical Sciences</i> , 2008, 120, 355-362.	1.5	15
23	The synthesis and characterization of photonic materials composed of substituted fluorene donors and a porphyrin acceptor. <i>Dyes and Pigments</i> , 2009, 83, 328-333.	3.7	15
24	Synthesis, photophysical studies of positional isomers of heteroaryl BODIPYs, and biological evaluation of Di-pyrrolyl BODIPY on human pancreatic cancer cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 368-375.	3.9	14
25	Synthesis of highly emissive 1,8-diaryl anthracene derivatives and fabrication of their micro/nanostructures. <i>RSC Advances</i> , 2015, 5, 98447-98455.	3.6	12
26	Phenanthroimidazole derivatives showing mild intramolecular charge transfer and high quantum yields and their applications in OLEDs. <i>New Journal of Chemistry</i> , 2021, 45, 16238-16247.	2.8	12
27	3-/3,5-Pyrrole-substituted BODIPY derivatives and their photophysical and electrochemical studies. <i>Journal of Chemical Sciences</i> , 2016, 128, 1435-1443.	1.5	11
28	Synthesis and Studies of Imidazoanthraquinone Derivatives for Applications in Organic Electronics. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4389-4400.	2.4	11
29	TADF and exciplex emission in a xanthone-carbazole derivative and tuning of its electroluminescence with applied voltage. <i>RSC Advances</i> , 2019, 9, 40248-40254.	3.6	10
30	Ferrocene catalysed heteroarylation of BODIPY and reaction mechanism studies by EPR and DFT methods. <i>RSC Advances</i> , 2016, 6, 47491-47497.	3.6	8
31	Comparative studies of photophysics and exciton dynamics of different diphenylanthracene (DPA) nanoaggregates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112700.	3.9	8
32	Synthesis, photophysical, electrochemical and thermal studies on carbazole-based acceptor molecules for heterojunction solar cell. <i>Thin Solid Films</i> , 2012, 520, 2644-2650.	1.8	6
33	Deep blue organic light-emitting diodes of 1,8-diaryl anthracene. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	1.5	5
34	Photophysics of graphene quantum dot assemblies with axially coordinated cobaloxime catalysts. <i>Journal of Chemical Physics</i> , 2020, 153, 124903.	3.0	5
35	Synthesis, photophysical, electrochemical and electroluminescence studies of red emitting phosphorescent Ir(III) heteroleptic complexes. <i>Journal of Chemical Sciences</i> , 2017, 129, 1391-1398.	1.5	4
36	Nanoassembly of Dipolar Imidazoanthraquinone Derivatives Leading to Enhanced Hole Mobility. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25804-25812.	3.1	4

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37	Synthesis and photophysical properties of near infra-red absorbing BODIPy derivatives and their nanoaggregates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 365, 1-6.	3.9	4
38	Synthesis of acridone-naphthylamine derivative and its thermally-activated delayed fluorescence studies for application in OLEDs. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	1.5	4
39	Ultrafast Dynamics and Estimation of Singlet Exciton Diffusion Parameters for Nanoaggregates of <i>peri</i> and <i>bay</i> Anisyl Perylene. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20405-20415.	3.1	4
40	<i>peri</i> -N-amine-perylenes, with and without phenyl bridge: Photophysical studies and their OLED applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113710.	3.9	3
41	Voltage tunable white light generation from combined emission of monomer and electromer in phenanthroimidazole based OLED. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 429, 113922.	3.9	2