Neeraj Agarwal

List of Publications by Year
in descending order

41 papers	876 citations	471509 17 h-index	477307 29 g-index
42 all docs	42 docs citations	42 times ranked	1095 citing authors

#	Article	IF	Citations
1	peri-N-amine-perylenes, with and without phenyl bridge: Photophysical studies and their OLED applications. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113710.	3.9	3
2	Voltage tunable white light generation from combined emission of monomer and electromer in phenanthroimidazole based OLED. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113922.	3.9	2
3	Phenanthroimidazole derivatives showing mild intramolecular charge transfer and high quantum yields and their applications in OLEDs. New Journal of Chemistry, 2021, 45, 16238-16247.	2.8	12
4	Ultrafast Dynamics and Estimation of Singlet Exciton Diffusion Parameters for Nanoaggregates of <i>peri</i> and <i>bay</i> Anisyl Perylene. Journal of Physical Chemistry C, 2021, 125, 20405-20415.	3.1	4
5	Photophysics of graphene quantum dot assemblies with axially coordinated cobaloxime catalysts. Journal of Chemical Physics, 2020, 153, 124903.	3.0	5
6	Comparative studies of photophysics and exciton dynamics of different diphenylanthracene (DPA) nanoaggregates. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112700.	3.9	8
7	Synthesis of acridone-naphthylamine derivative and its thermally-activated delayed fluorescence studies for application in OLEDs. Journal of Chemical Sciences, 2019, 131, 1.	1.5	4
8	TADF and exciplex emission in a xanthoneâ€“carbazole derivative and tuning of its electroluminescence with applied voltage. RSC Advances, 2019, 9, 40248-40254.	3.6	10
9	Thermally Activated Delayed Fluorescence (Green) in Undoped Film and Exciplex Emission (Blue) in Acridoneâ€“Carbazole Derivatives for OLEDs. Journal of Physical Chemistry C, 2019, 123, 1003-1014.	3.1	36
10	Synthesis, photophysical studies of positional isomers of heteroaryl BODIPYs, and biological evaluation of Di-pyrrolyl BODIPY on human pancreatic cancer cells. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 368-375.	3.9	14
11	Deep blue organic light-emitting diodes of 1,8-diaryl anthracene. Journal of Chemical Sciences, 2018, 130, 1.	1.5	5
12	Nanoassembly of Dipolar Imidazoanthraquinone Derivatives Leading to Enhanced Hole Mobility. Journal of Physical Chemistry C, 2018, 122, 25804-25812.	3.1	4
13	Synthesis and photophysical properties of near infra-red absorbing BODIPy derivatives and their nanoaggregates. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 365, 1-6.	3.9	4
14	Synthesis of imidazoaryl-BODIPY derivatives for anion sensing applications. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 343, 66-71.	3.9	16
15	Synthesis and Studies of Imidazoanthraquinone Derivatives for Applications in Organic Electronics. European Journal of Organic Chemistry, 2017, 2017, 4389-4400.	2.4	11
16	Synthesis, photophysical, electrochemical and electroluminescence studies of red emitting phosphorescent Ir(III) heteroleptic complexes. Journal of Chemical Sciences, 2017, 129, 1391-1398.	1.5	4
17	Ferrocene catalysed heteroarylation of BODIPy and reaction mechanism studies by EPR and DFT methods. RSC Advances, 2016, 6, 47491-47497.	3.6	8
18	3-/3,5-Pyrrole-substituted BODIPY derivatives and their photophysical and electrochemical studies. Journal of Chemical Sciences, 2016, 128, 1435-1443.	1.5	11

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19	Ferrocene catalysed Câ€“H arylation of arenes and reaction mechanism study using cyclic voltammetry. Tetrahedron Letters, 2016, 57, 4228-4231.	1.4	19
20	Synthesis, photophysical and electrochemical studies of acridone-amine based donorâ€“acceptors for hole transport materials. RSC Advances, 2016, 6, 17129-17137.	3.6	48
21	Synthesis of highly emissive 1,8-diaryl anthracene derivatives and fabrication of their micro/nanostructures. RSC Advances, 2015, 5, 98447-98455.	3.6	12
22	Synthesis and Studies of Azaâ€BODIPYâ€Based Ï€â€Conjugates for Organic Electronic Applications. European Journal of Organic Chemistry, 2014, 2014, 1416-1422.	2.4	20
23	Synthesis and photophysical studies of heteroaryl substituted-BODIPy derivatives for biological applications. Tetrahedron Letters, 2014, 55, 7124-7129.	1.4	17
24	Synthesis, photophysical, electrochemical and thermal studies on carbazole-based acceptor molecules for heterojunction solar cell. Thin Solid Films, 2012, 520, 2644-2650.	1.8	6
25	Tuning of HOMO levels of carbazole derivatives: New molecules for blue OLED. Synthetic Metals, 2011, 161, 466-473.	3.9	62
26	Synthesis, photophysical and electrochemical properties of 2,8-diaryl-dibenzothiophene derivatives for organic electronics. Journal of Chemical Sciences, 2010, 122, 119-124.	1.5	17
27	Blue and white light electroluminescence in a multilayer OLED using a new aluminium complex. Journal of Chemical Sciences, 2010, 122, 847-855.	1.5	28
28	Pure exciplex electroluminescence in blended film of small organic molecules. Synthetic Metals, 2010, 160, 722-727.	3.9	20
29	The synthesis and characterization of photonic materials composed of substituted fluorene donors and a porphyrin acceptor. Dyes and Pigments, 2009, 83, 328-333.	3.7	15
30	Ultrafast Energy Transfer in Oligofluoreneâ^'Aluminum Bis(8-hydroxyquinoline)acetylacetone Coordination Polymers. Journal of the American Chemical Society, 2009, 131, 1787-1795.	13.7	53
31	Synthesis, photoluminescence and electrochemical properties of 2,7-diarylfluorene derivatives. Journal of Chemical Sciences, 2008, 120, 355-362.	1.5	15
32	Synthesis, characterization, photophysical and electrochemical properties of new phosphorescent dopants for OLEDs. Tetrahedron Letters, 2008, 49, 2710-2713.	1.4	23
33	meso-5-Bromo-10,15,20-tri(p-tolyl)-21-thiaporphyrin as a Precursor for the Synthesis of Novel Compounds. European Journal of Organic Chemistry, 2007, 2007, 1168-1175.	2.4	16
34	Molecular-Wire Behavior of OLED Materials:Â Exciton Dynamics in Multichromophoric Alq3-Oligofluorene-Pt(II)porphyrin Triads. Journal of the American Chemical Society, 2006, 128, 12436-12438.	13.7	136
35	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. European Journal of Organic Chemistry, 2005, 2005, 2500-2517.	2.4	57
36	Synthesis of N3S, N3O, N2S2, N2O2, N2SO and N2OS Porphyrins with Onemeso-Unsubstituted Carbon. European Journal of Organic Chemistry, 2004, 2004, 2223-2230.	2.4	24

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37	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. European Journal of Organic Chemistry, 2004, 2004, 1693-1697.	2.4	22
38	Thiaporphyrins with One, Two and Four Unsubstitutedmeso-Carbons: Synthesis and Functionalization. European Journal of Organic Chemistry, 2003, 2003, 3730-3734.	2.4	16
39	Synthesis of 21-thia and 21-oxaporphyrin building blocks and boronâ€"dipyrrin appended systems. Tetrahedron, 2002, 58, 5347-5356.	1.9	34
40	Synthesis of dithiaporphyrin-based singletâ€"singlet energy transfer systems. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1644-1648.	1.3	37
41	Synthesis of Energy Donors Appended Dithiaporphyrin Systems. Chemistry Letters, 2000, 29, 836-837.	1.3	18