

Debdas Ray

List of Publications by Year in descending order

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17
papers

658
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

966
citing authors

#	ARTICLE	IF	CITATIONS
1	A Coumarin-Derived Fluorescence Probe Selective for Magnesium. <i>Inorganic Chemistry</i> , 2008, 47, 2252-2254.	4.0	256
2	Dual Emission through Thermally Activated Delayed Fluorescence and Room-Temperature Phosphorescence, and Their Thermal Enhancement via Solid-State Structural Change in a Carbazole-Quinoline Conjugate. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2733-2738.	4.6	81
3	Regulating signal enhancement with coordination-coupled deprotonation of a hydrazone switch. <i>Chemical Science</i> , 2015, 6, 209-213.	7.4	47
4	Biluminescence via Fluorescence and Persistent Phosphorescence in Amorphous Organic Donor(D ₄)-Acceptor(A) Conjugates and Application in Data Security Protection. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3808-3813.	4.6	44
5	Room-Temperature Orange-Red Phosphorescence by Way of Intermolecular Charge Transfer in Single-Component Phenoxazine-Quinoline Conjugates and Chemical Sensing. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21589-21597.	3.1	37
6	Thermally activated delayed fluorescence and room-temperature phosphorescence in naphthyl appended carbazole-quinoline conjugates, and their mechanical regulation. <i>Chemical Communications</i> , 2019, 55, 1899-1902.	4.1	34
7	Use of Dimeric Excited States of the Donors in D ₄ -A Systems for Accessing White Light Emission, Afterglow, and Invisible Security Ink. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22104-22113.	3.1	33
8	Synthesis, optical properties, acid-base vapochromism and anti-counterfeiting of novel π -extended pyridine fused coumarins. <i>Journal of Luminescence</i> , 2020, 223, 117229.	3.1	20
9	Ag(I) induced emission with azines having donor-acceptor-donor chromophore. <i>Dalton Transactions</i> , 2009, , 5683.	3.3	18
10	Thermally Activated Delayed Fluorescence and Room-Temperature Phosphorescence in Asymmetric Phenoxazine-Quinoline (D ₂ -A) Conjugates and Dual Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5649-5657.	3.1	15
11	Asymmetric-donor (D ₂ D ₂)-acceptor (A) conjugates for simultaneously accessing intrinsic blue-RTP and blue-TADF. <i>Materials Advances</i> , 2020, 1, 1858-1865.	5.4	14
12	Effect of π - π Interactions of Donor Rings on Persistent Room-Temperature Phosphorescence in D ₄ -A Conjugates and Data Security Application. <i>ACS Omega</i> , 2021, 6, 3858-3865.	3.5	13
13	Phenothiazine-Quinoline Conjugates Realizing Intrinsic Thermally Activated Delayed Fluorescence and Room-Temperature Phosphorescence: Understanding the Mechanism and Electroluminescence Devices. <i>Advanced Photonics Research</i> , 2021, 2, 2000201.	3.6	11
14	Alteration in the Binding Property of a Laterally Nonsymmetric Aza Cryptand toward CuI, AgI, and TlI Ions upon Derivatization with a Cyanomethyl Group. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1771-1776.	2.0	10
15	Conformational switching <i>via</i> an intramolecular H-bond modulates the fluorescence lifetime in a novel coumarin-imidazole conjugate. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6060-6072.	2.8	10
16	Molecular-Level Understanding of Dual-RTP via Host-Sensitized Multiple Triplet-to-Triplet Energy Transfers and Data Security Application. <i>ACS Omega</i> , 2022, 7, 3722-3730.	3.5	9
17	Phenoxazine-Quinoline Conjugates: Impact of Halogenation on Charge Transfer Triplet Energy Harvesting via Aggregate Induced Phosphorescence. <i>ACS Omega</i> , 2022, 7, 16827-16836.	3.5	6