

Sunil Kumar

List of Publications by Year in Descending Order

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

29

papers

523

citations

14

h-index

22

g-index

31

ext. papers

655

ext. citations

6.3

avg, IF

3.98

L-index

#	Paper	IF	Citations
29	Chiral gelators for visual enantiomeric recognition.. <i>Soft Matter</i> , 2022 , 18, 3624-3637	3.6	0
28	Metal-Free Heptazine-Based Porous Polymeric Network as Highly Efficient Catalyst for CO Capture and Conversion. <i>Frontiers in Chemistry</i> , 2021 , 9, 737511	5	1
27	Understanding the role of soft linkers in designing heptazine-based polymeric frameworks as heterogeneous (photo)catalyst. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 138-146	9.3	2
26	A Tailored Heptazine-Based Porous Polymeric Network as a Versatile Heterogeneous (Photo)catalyst. <i>Chemistry - A European Journal</i> , 2021 , 27, 10649-10656	4.8	2
25	Through Positional Isomerism: Impact of Molecular Composition on Enhanced Triplet Harvest for Solution-Processed OLED Efficiency Improvement. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2317-2332	4	3
24	Single molecular precursors for CxNy materials- Blending of carbon and nitrogen beyond g-C3N4. <i>Carbon</i> , 2021 , 183, 332-354	10.4	7
23	Quantum dot-sensitized O-linked heptazine polymer photocatalyst for the metal-free visible light hydrogen generation.. <i>RSC Advances</i> , 2020 , 10, 29633-29641	3.7	7
22	A true oxygen-linked heptazine based polymer for efficient hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 313-319	21.8	34
21	Emergence of s-heptazines: from trichloro-s-heptazine building blocks to functional materials. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21719-21728	13	20
20	Hydrogen-bond mediated columnar liquid crystalline assemblies of C-symmetric heptazine derivatives at ambient temperature. <i>Soft Matter</i> , 2018 , 14, 6342-6352	3.6	18
19	Deep-Blue OLED Fabrication from Heptazine Columnar Liquid Crystal Based AIE-Active Sky-Blue Emitter. <i>ChemistrySelect</i> , 2018 , 3, 7771-7777	1.8	22
18	Natural Sunlight Driven Oxidative Homocoupling of Amines by a Truxene-Based Conjugated Microporous Polymer. <i>ACS Catalysis</i> , 2018 , 8, 6751-6759	13.1	75
17	Preferential intermolecular interactions lead to chiral recognition: enantioselective gel formation and collapse. <i>Chemical Communications</i> , 2018 , 54, 11407-11410	5.8	14
16	Heptazine based organic framework as a chemiresistive sensor for ammonia detection at room temperature. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18389-18395	13	34
15	Modified Atomic Orbital Overlap: Molecular Level Proof of the Nucleophilic Cleavage Propensity of Dinitrophenol-Based Probes. <i>Journal of Organic Chemistry</i> , 2017 , 82, 4713-4720	4.2	2
14	Role of Voluminous Substituents in Controlling the Optical Properties of Disc/Planar-Like Small Organic Molecules: Toward Molecular Emission in Solid State. <i>ACS Omega</i> , 2017 , 2, 5348-5356	3.9	6
13	Heptazine: an Electron-Deficient Fluorescent Core for Discotic Liquid Crystals. <i>Chemistry - A European Journal</i> , 2017 , 23, 14718-14722	4.8	21

LIST OF PUBLICATIONS

12	Dendritic Polynitro Energetic Motifs: Development and Exploration of Physicochemical Behavior through Theoretical and Experimental Approach. <i>ACS Omega</i> , 2017 , 2, 8227-8233	3.9	9
11	Femtosecond insights into direct electron injection in dye anchored ZnO QDs following charge transfer excitation. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20672-81	3.6	8
10	Trend breaking substitution pattern of phenothiazine with acceptors as a rational design platform for blue emitters. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6769-6777	7.1	27
9	Exploring an Emissive Charge Transfer Process in Zero-Twist Donor-Acceptor Molecular Design as a Dual-State Emitter. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12723-12733	3.8	29
8	Packing directed beneficial role of 3-D rigid alicyclic arms on the templated molecular aggregation problem. <i>RSC Advances</i> , 2015 , 5, 61249-61257	3.7	3
7	Effect of N-Substitution on the Electropolymerization of N-Substituted Pyrroles: Structure-Reactivity Relationship Studies. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2570-2579	3.8	16
6	Engineering fused coumarin dyes: a molecular level understanding of aggregation quenching and tuning electroluminescence via alkyl chain substitution. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6637	7.1	43
5	Structurally tuned benzo[h]chromene derivative as Pb ²⁺ selective turn-on fluorescence sensor for living cell imaging. <i>Journal of Luminescence</i> , 2013 , 143, 355-360	3.8	9
4	Cysteamine-based cell-permeable Zn(2+)-specific molecular bioimaging materials: from animal to plant cells. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11730-40	9.5	15
3	Imine containing benzophenone scaffold as an efficient chemical device to detect selectively Al ³⁺ . <i>RSC Advances</i> , 2013 , 3, 345-351	3.7	41
2	Carboxylated blocking unit-directed ratiometric probe design, synthesis and application in selective recognition of Fe ³⁺ /Cu ²⁺ . <i>RSC Advances</i> , 2013 , 3, 6271	3.7	9
1	2-Aminopyridine derivative as fluorescence On/Off molecular switch for selective detection of Fe ³⁺ /Hg ²⁺ . <i>Tetrahedron Letters</i> , 2012 , 53, 2302-2307	2	43