Sunil Kumar

List of Publications by Citations

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	Natural Sunlight Driven Oxidative Homocoupling of Amines by a Truxene-Based Conjugated Microporous Polymer. *ACS Catalysis*, **2018**, 8, 6751-6759	13.1	75
28	Engineering fused coumarin dyes: a molecular level understanding of aggregation quenching and tuning electroluminescence via alkyl chain substitution. *Journal of Materials Chemistry C*, **2014**, 2, 6637	7.1	43
27	2-Aminopyridine derivative as fluorescence □On□Off□molecular switch for selective detection of Fe3+/Hg2+. *Tetrahedron Letters*, **2012**, 53, 2302-2307	2	43
26	Imine containing benzophenone scaffold as an efficient chemical device to detect selectively Al3+. *RSC Advances*, **2013**, 3, 345-351	3.7	41
25	A true oxygen-linked heptazine based polymer for efficient hydrogen evolution. *Applied Catalysis B: Environmental*, **2019**, 244, 313-319	21.8	34
24	Heptazine based organic framework as a chemiresistive sensor for ammonia detection at room temperature. *Journal of Materials Chemistry A*, **2018**, 6, 18389-18395	13	34
23	Exploring an Emissive Charge Transfer Process in Zero-Twist Donor□Acceptor Molecular Design as a Dual-State Emitter. *Journal of Physical Chemistry C*, **2016**, 120, 12723-12733	3.8	29
22	Trend breaking substitution pattern of phenothiazine with acceptors as a rational design platform for blue emitters. *Journal of Materials Chemistry C*, **2016**, 4, 6769-6777	7.1	27
21	Deep-Blue OLED Fabrication from Heptazine Columnar Liquid Crystal Based AIE-Active Sky-Blue Emitter. *ChemistrySelect*, **2018**, 3, 7771-7777	1.8	22
20	Heptazine: an Electron-Deficient Fluorescent Core for Discotic Liquid Crystals. *Chemistry - A European Journal*, **2017**, 23, 14718-14722	4.8	21
19	Emergence of s-heptazines: from trichloro-s-heptazine building blocks to functional materials. *Journal of Materials Chemistry A*, **2018**, 6, 21719-21728	13	20
18	Hydrogen-bond mediated columnar liquid crystalline assemblies of C-symmetric heptazine derivatives at ambient temperature. *Soft Matter*, **2018**, 14, 6342-6352	3.6	18
17	Effect of N-□Substitution on the Electropolymerization of N-Substituted Pyrroles: Structure□Reactivity Relationship Studies. *Journal of Physical Chemistry C*, **2014**, 118, 2570-2579	3.8	16
16	Cysteamine-based cell-permeable Zn(2+)-specific molecular bioimaging materials: from animal to plant cells. *ACS Applied Materials & Interfaces*, **2013**, 5, 11730-40	9.5	15
15	Preferential intermolecular interactions lead to chiral recognition: enantioselective gel formation and collapse. *Chemical Communications*, **2018**, 54, 11407-11410	5.8	14
14	Structurally tuned benzo[h]chromene derivative as Pb2+ selective □turn-on□fluorescence sensor for living cell imaging. *Journal of Luminescence*, **2013**, 143, 355-360	3.8	9
13	Carboxylated □ocking unit□directed ratiometric probe design, synthesis and application in selective recognition of Fe3+/Cu2+. *RSC Advances*, **2013**, 3, 6271	3.7	9

List of Publications

12	Dendritic Polynitrato Energetic Motifs: Development and Exploration of Physicochemical Behavior through Theoretical and Experimental Approach. *ACS Omega*, **2017**, 2, 8227-8233	3.9	9
11	Femtosecond insights into direct electron injection in dye anchored ZnO QDs following charge transfer excitation. *Physical Chemistry Chemical Physics*, **2016**, 18, 20672-81	3.6	8
10	Quantum dot-sensitized O-linked heptazine polymer photocatalyst for the metal-free visible light hydrogen generation.. *RSC Advances*, **2020**, 10, 29633-29641	3.7	7
9	Single molecular precursors for CxNy materials- Blending of carbon and nitrogen beyond g-C3N4. *Carbon*, **2021**, 183, 332-354	10.4	7
8	Role of Voluminous Substituents in Controlling the Optical Properties of Disc/Planar-Like Small Organic Molecules: Toward Molecular Emission in Solid State. *ACS Omega*, **2017**, 2, 5348-5356	3.9	6
7	Packing directed beneficial role of 3-D rigid alicyclic arms on the templated molecular aggregation problem. *RSC Advances*, **2015**, 5, 61249-61257	3.7	3
6	Through Positional Isomerism: Impact of Molecular Composition on Enhanced Triplet Harvest for Solution-Processed OLED Efficiency Improvement. *ACS Applied Electronic Materials*, **2021**, 3, 2317-2332	4	3
5	Modified Atomic Orbital Overlap: Molecular Level Proof of the Nucleophilic Cleavage Propensity of Dinitrophenol-Based Probes. *Journal of Organic Chemistry*, **2017**, 82, 4713-4720	4.2	2
4	Understanding the role of soft linkers in designing hepatzine-based polymeric frameworks as heterogeneous (photo)catalyst. *Journal of Colloid and Interface Science*, **2021**, 588, 138-146	9.3	2
3	A Tailored Heptazine-Based Porous Polymeric Network as a Versatile Heterogeneous (Photo)catalyst. *Chemistry - A European Journal*, **2021**, 27, 10649-10656	4.8	2
2	Metal-Free Heptazine-Based Porous Polymeric Network as Highly Efficient Catalyst for CO Capture and Conversion. *Frontiers in Chemistry*, **2021**, 9, 737511	5	1
1	Chiral gelators for visual enantiomeric recognition.. *Soft Matter*, **2022**, 18, 3624-3637	3.6	0