

Amar Ballabh

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.

26 papers	829 citations	13 h-index	28 g-index
28 ext. papers	858 ext. citations	4.5 avg, IF	3.91 L-index

#	Paper	IF	Citations
26	A series of multifunctional pivalamide based Low Molecular Mass Gelators (LMOGs) with potential applications in oil-spill remediation and toxic dye removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 632, 127813	5.1	1
25	Hydrogen bonded network of 1,1-cyclobutanedicarboxylic acid (CBD) salts: Effect of amine backbone on supramolecular assembly. <i>Journal of Molecular Structure</i> , 2021 , 1232, 130025	3.4	
24	Design, synthesis, and application of a new series of organogelator using crystal engineering approach and solvent parameter study: A synergetic approach. <i>Journal of Molecular Liquids</i> , 2021 , 322, 114520	6	3
23	Probing the mechanism of gelation and anion sensing capability of a thiazole based amide gelator: A case study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 607, 125430	5.1	1
22	N-(thiazol-2-yl)benzamide derivatives as a new series of supramolecular gelators: Role of methyl functionality and S \cdots O interaction. <i>Journal of Solid State Chemistry</i> , 2020 , 281, 121027	3.3	1
21	A series of memantine based salts with various aromatic and aliphatic carboxylic acids: Crystallographic analysis, Hirshfeld surfaces and dissolution study. <i>Journal of Molecular Structure</i> , 2020 , 1206, 127672	3.4	1
20	Investigation of catalytic properties of Cs salt of di-copper substituted phosphotungstate, Cs ₇ [PW ₁₀ Cu ₂ (H ₂ O)O ₃₈] in epoxidation of styrene. <i>Inorganica Chimica Acta</i> , 2019 , 487, 345-353	2.7	6
19	Role of S \cdots O non-bonded interaction in controlling supramolecular assemblies in a new series of 2-aminobenzothiazole based organic salts/ co-crystals. <i>Journal of Solid State Chemistry</i> , 2018 , 263, 231-238	3.3	9
18	Odd-even effect in a thiazole based organogelator: understanding the interplay of non-covalent interactions on property and applications. <i>New Journal of Chemistry</i> , 2015 , 39, 721-730	3.6	13
17	Combinatorial Library Approach to Realize 2-Aminothiazole-Based Two-Component Hydrogelator: A Structure-Property Correlation. <i>Crystal Growth and Design</i> , 2014 , 14, 5966-5975	3.5	12
16	Room temperature metallogelation for a simple series of aminothiazole ligands with potential applications in identifying and scavenging mercury ions. <i>RSC Advances</i> , 2014 , 4, 563-566	3.7	11
15	Probing the O \cdots Br \cdots Br halogen bonding in X-ray crystal structures with ab initio calculations. <i>CrystEngComm</i> , 2012 , 14, 1833	3.3	12
14	Synthesis, characterization and nano-particles synthesis using a simple two component supramolecular gelator: A step towards plausible mechanism of hydrogelation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 414, 333-338	5.1	13
13	Structures and Gelation Properties of a Series of Salts Derived from an Alicyclic Dicarboxylic Acid and n-Alkyl Primary Amines. <i>Crystal Growth and Design</i> , 2008 , 8, 4144-4149	3.5	26
12	Noncovalent Syntheses of Supramolecular Organo Gelators. <i>Crystal Growth and Design</i> , 2006 , 6, 763-768	3.5	22
11	A Practical Approach To Produce Near-Spherical Common Salt Crystals with Better Flow Characteristics. <i>Crystal Growth and Design</i> , 2006 , 6, 1591-1594	3.5	20
10	From nonfunctional lamellae to functional nanotubes. <i>Organic Letters</i> , 2006 , 8, 1271-4	6.2	23

9	New Series of Organogelators Derived from a Combinatorial Library of Primary Ammonium Monocarboxylate Salts. <i>Chemistry of Materials</i> , 2006 , 18, 3795-3800	9.6	64
8	How Robust Is the $\text{NH}_4\text{Cl}_2\text{Cu}$ Synthon? Crystal Structures of Some Perchlorocuprates. <i>Crystal Growth and Design</i> , 2005 , 5, 651-660	3.5	53
7	Facile preparation and structure-property correlation of low molecular mass organic gelators derived from simple organic salts. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2606		43
6	Ascertaining the 1D Hydrogen-Bonded Network in Organic Ionic Solids. <i>Crystal Growth and Design</i> , 2005 , 5, 1545-1553	3.5	63
5	Structure-property correlation of a new family of organogelators based on organic salts and their selective gelation of oil from oil/water mixtures. <i>Chemistry - A European Journal</i> , 2004 , 10, 5311-22	4.8	122
4	Structural Studies of a New Low Molecular Mass Organic Gelator for Organic Liquids Based on Simple Salt. <i>Chemistry of Materials</i> , 2003 , 15, 2136-2140	9.6	64
3	An Easy To Prepare Organic Salt as a Low Molecular Mass Organic Gelator Capable of Selective Gelation of Oil from Oil/Water Mixtures. <i>Chemistry of Materials</i> , 2003 , 15, 3971-3973	9.6	84
2	Supramolecular assemblies in salts and co-crystals of imidazoles with dicarboxylic acids. <i>CrystEngComm</i> , 2003 , 5, 358	3.3	69
1	Hydrogen bonded supramolecular network in organic salts: crystal structures of acid-Base salts of dicarboxylic acids and amines. <i>CrystEngComm</i> , 2002 , 4, 135-142	3.3	92