Santanu Panja

List of Publications by Year
in descending order

41 papers	1,102 citations	361296 20 h-index	414303 32 g-index
42 all docs	42 docs citations	42 times ranked	755 citing authors

#	Article	IF	Citations
1	Stimuli responsive dynamic transformations in supramolecular gels. Chemical Society Reviews, 2021, 50, 5165-5200.	18.7	209
2	Ion conducting cholesterol appended pyridinium bisamide-based gel for the selective detection of Ag+and Clâˆ’ions. RSC Advances, 2014, 4, 3732-3737.	1.7	63
3	Temporallyâ€Programmed Transient Supramolecular Gels. Macromolecular Rapid Communications, 2019, 40, e1900251.	2.0	50
4	Supramolecular gels in cyanide sensing: a review. Materials Chemistry Frontiers, 2021, 5, 584-602.	3.2	49
5	Pyridine/pyridinium symmetrical bisamides as functional materials: aggregation, selective sensing and drug release. New Journal of Chemistry, 2018, 42, 6488-6497.	1.4	47
6	Gel to gel transitions by dynamic self-assembly. Chemical Communications, 2019, 55, 10154-10157.	2.2	47
7	Cholesterol appended bis-1,2,3-triazoles as simple supramolecular gelators for the naked eye detection of Ag⁺, Cu²⁺ and Hg²⁺ ions. New Journal of Chemistry, 2016, 40, 3476-3483.	1.4	40
8	Programming Gels Over a Wide pH Range Using Multicomponent Systems. Angewandte Chemie - International Edition, 2021, 60, 9973-9977.	7.2	40
9	Chemically Fuelled Selfâ€Regulating Gelâ€toâ€Gel Transition. ChemSystemsChem, 2020, 2, e1900038.	1.1	39
10	Naphthalene-cholesterol conjugate as simple gelator for selective sensing of CN^{â€“} ion. Supramolecular Chemistry, 2017, 29, 350-359.	1.5	35
11	Coumarin-based supramolecular gelator: a case of selective detection of F^{âˆ’} and HP₂O₇^{3âˆ’}. RSC Advances, 2015, 5, 12094-12099.	1.7	34
12	Pyridine coupled mono and bisbenzimidazoles as supramolecular gelators: selective metal ion sensing and ionic conductivity. Materials Chemistry Frontiers, 2018, 2, 385-395.	3.2	34
13	Maintaining homogeneity during a solâ€“gel transition by an autocatalytic enzyme reaction. Chemical Communications, 2019, 55, 47-50.	2.2	32
14	Cholesterol-Appended Benzimidazolium Salts: Synthesis, Aggregation, Sensing, Dye Adsorption, and Semiconducting Properties. Langmuir, 2017, 33, 8277-8288.	1.6	31
15	Annealing Supramolecular Gels by a Reaction Relay. Chemistry of Materials, 2020, 32, 5264-5271.	3.2	31
16	Programming properties of transient hydrogels by an enzymatic reaction. Nanoscale, 2020, 12, 12840-12848.	2.8	25
17	Naphthalene linked pyridyl urea as a supramolecular gelator: a new insight into naked eye detection of I^{âˆ’}in the gel state with semiconducting behaviour. RSC Advances, 2015, 5, 72772-72779.	1.7	24
18	Ureaâ€Urease Reaction in Controlling Properties of Supramolecular Hydrogels: Pros and Cons. Chemistry - A European Journal, 2021, 27, 8928-8939.	1.7	24

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19	Progress of 3-aminopyridinium-based synthetic receptors in anion recognition. RSC Advances, 2014, 4, 20114-20130.	1.7	23
20	Controlling hydrogel properties by tuning non-covalent interactions in a charge complementary multicomponent system. Chemical Science, 2021, 12, 11197-11203.	3.7	21
21	Controlling Syneresis of Hydrogels Using Organic Salts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
22	Visual Sensing of Ag⁺ Ions through Gelation of Cholesterolâ€•Appended Benzimidazole and Associated Ion Conducting Behaviour. ChemistrySelect, 2017, 2, 959-966.	0.7	19
23	Rhodamine-linked pyridyl thiourea as a receptor for selective recognition of Fâ€“, Al3+ and Ag+ under different conditions. Supramolecular Chemistry, 2015, 27, 490-500.	1.5	17
24	Mimicking evolution of â€˜mini-homeostaticâ€™ modules in supramolecular systems. Giant, 2021, 5, 100041.	2.5	16
25	Cholesterolâ€“based Bisamides on Biphenyl Backbone: A Case of Selective Visual Sensing of F^{âˆ’} and H₂PO₄^{âˆ’} through Breaking and Making of Gels. ChemistrySelect, 2016, 1, 3667-3674.	0.7	14
26	Varying the hydrophobic spacer to influence multicomponent gelation. Chemical Communications, 2021, 57, 7898-7901.	2.2	14
27	Effect of Substitution at Amine Functionality of 2,6-Diaminopyridine-Coupled Rhodamine on Metal-Ion Interaction and Self-Assembly. ACS Omega, 2020, 5, 13984-13993.	1.6	13
28	Programming Gels Over a Wide pH Range Using Multicomponent Systems. Angewandte Chemie, 2021, 133, 10061-10065.	1.6	13
29	Fluorophore inserted bisbenzimidazole clefts in selective sensing of Ag+ and Cu2+ ions. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 348, 110-117.	2.0	12
30	Pathway Dependence in Redoxâ€Driven Metalâ€“Organic Gels. Chemistry - A European Journal, 2020, 26, 6130-6135.	1.7	11
31	Progress in Benzimidazole/Benzimidazolium-Derived Supramolecular Gelators in Ion Recognition. Mini-Reviews in Organic Chemistry, 2020, 17, 1042-1055.	0.6	10
32	Using Rheology to Understand Transient and Dynamic Gels. Gels, 2022, 8, 132.	2.1	10
33	Naphthalene and pyrrole substituted guanidine in selective sensing of Cu²⁺, Hg²⁺, Pb²⁺ and CN^{âˆ’} ions under different conditions. Supramolecular Chemistry, 2017, 29, 528-535.	1.5	9
34	Controlling Selfâ€Sorting versus Coâ€assembly in Supramolecular Gels. ChemSystemsChem, 2022, 4, .	1.1	8
35	Chemical crosslinking in â€˜reactiveâ€™ multicomponent gels. Chemical Communications, 2022, 58, 5622-5625.	2.2	6
36	Naphthaleneâ€Coupled Pyridinium Urea Salt in Fluorometric Sensing of Iodide. ChemistrySelect, 2021, 6, 6353-6359.	0.7	5

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37	Controlling syneresis of hydrogels using organic salts. Angewandte Chemie, 0, , .	1.6	3
38	Dosimetric gelator probes and their application as sensors. Journal of the Indian Chemical Society, 2022, 99, 100359.	1.3	2
39	Insights Into the Gelation of Biphenyl Coupled Pyridyl Bisamides. General Chemistry, 2020, 6, 200004-200004.	0.6	1
40	Frontispiece: Ureaâ€Urease Reaction in Controlling Properties of Supramolecular Hydrogels: Pros and Cons. Chemistry - A European Journal, 2021, 27, .	1.7	0
41	Cholesterol decorated pyridinium urea and carbamate as Ï€-gelators for selective recognition of F-ions. Current Smart Materials, 2021, 05, .	0.5	0