

# Abhijit Saha

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,267  
citations

394421

19  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1644  
citing authors

#	ARTICLE	IF	CITATIONS
1	Compartmentalized microbes and co-cultures in hydrogels for on-demand bioproduction and preservation. <i>Nature Communications</i> , 2020, 11, 563.	12.8	134
2	Chemical modification and printability of shear-thinning hydrogel inks for direct-write 3D printing. <i>Polymer</i> , 2018, 152, 42-50.	3.8	116
3	Fibrillar Networks of Glycyrrhizic Acid for Hybrid Nanomaterials with Catalytic Features. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5408-5412.	13.8	111
4	A two component thermoreversible hydrogel of riboflavin and melamine: Enhancement of photoluminescence in the gel form. <i>Chemical Communications</i> , 2006, , 4285.	4.1	98
5	Additive Manufacturing of Catalytically Active Living Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13373-13380.	8.0	89
6	Additive manufacturing with stimuli-responsive materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20621-20645.	10.3	80
7	Two-Component Thermoreversible Hydrogels of Melamine and Gallic Acid. <i>Langmuir</i> , 2009, 25, 8457-8461.	3.5	77
8	A Mechanistic Approach on the Self-Organization of the Two-Component Thermoreversible Hydrogel of Riboflavin and Melamine. <i>Langmuir</i> , 2007, 23, 13126-13135.	3.5	63
9	Irreversible visual sensing of humidity using a cholesteric liquid crystal. <i>Chemical Communications</i> , 2012, 48, 4579.	4.1	63
10	Time sensitive, temperature and pH responsive photoluminescence behaviour of a melamine containing bicomponent hydrogel. <i>Soft Matter</i> , 2010, 6, 3337.	2.7	61
11	Hierarchical tuning of 1-D macro morphology by changing the composition of a binary hydrogel and its influence on the photoluminescence property. <i>Chemical Communications</i> , 2008, , 3732.	4.1	57
12	Melamine sensing through riboflavin stabilized gold nanoparticles. <i>Analyst</i> , The, 2011, 136, 67-70.	3.5	49
13	Macroscopic Single-Crystal Gold Microflakes and Their Devices. <i>Advanced Materials</i> , 2015, 27, 1945-1950.	21.0	47
14	Catalytically Initiated Gel-in-Gel Printing of Composite Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 40898-40904.	8.0	44
15	Variation of physical and mechanical properties in the bicomponent hydrogels of melamine with positional isomers of hydroxybenzoic acid. <i>Soft Matter</i> , 2011, 7, 8067.	2.7	36
16	Self-assembly and fibrillization of a Fmoc-functionalized polyphenolic amino acid. <i>Soft Matter</i> , 2013, 9, 10239.	2.7	30
17	Effect of complementary small molecules on the properties of bicomponent hydrogel of riboflavin. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 770-776.	2.8	25
18	Temperature and pH sensitive photoluminescence of riboflavin-methyl cellulose hydrogel: towards AND molecular logic gate behaviour. <i>Soft Matter</i> , 2009, 5, 3992.	2.7	23

#	ARTICLE	IF	CITATIONS
19	Diffusion of Polymers through Periodic Networks of Lipid-Based Nanochannels. <i>Langmuir</i> , 2017, 33, 3491-3498.	3.5	13
20	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-iron Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13289-13292.	13.8	9
21	Magnetic Control of Macromolecular Conformations in Supramolecular Anionic Polysaccharide-iron Complexes. <i>Angewandte Chemie</i> , 2015, 127, 13487-13490.	2.0	0