

Rahul Dev Mukhopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

993
citations

516710

16
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752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1417
citing authors

#	ARTICLE	IF	CITATIONS
1	Living supramolecular polymerization. <i>Science</i> , 2015, 349, 241-242.	12.6	165
2	Porphyrin Boxes. <i>Accounts of Chemical Research</i> , 2018, 51, 2730-2738.	15.6	121
3	Photoresponsive metal-organic materials: exploiting the azobenzene switch. <i>Materials Horizons</i> , 2014, 1, 572-576.	12.2	70
4	Gigantic Porphyrinic Cages. <i>CheM</i> , 2020, 6, 3374-3384.	11.7	69
5	A slippery molecular assembly allows water as a self-erasable security marker. <i>Scientific Reports</i> , 2015, 5, 9842.	3.3	66
6	Light driven mesoscale assembly of a coordination polymeric gelator into flowers and stars with distinct properties. <i>Chemical Science</i> , 2015, 6, 6583-6591.	7.4	65
7	Rational Design and Construction of Hierarchical Superstructures Using Shape-Persistent Organic Cages: Porphyrin Box-Based Metallosupramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 2018, 140, 14547-14551.	13.7	59
8	Stepwise control of host-guest interaction using a coordination polymer gel. <i>Nature Communications</i> , 2018, 9, 1987.	12.8	58
9	Supramolecular Gels and Functional Materials Research in India. <i>Chimia</i> , 2013, 67, 51-63.	0.6	51
10	A gel scaffold for assembling fullerene to photoconducting supramolecular rods. <i>Science Advances</i> , 2016, 2, e1600142.	10.3	47
11	Fuel-Driven Transient Crystallization of a Cucurbit[8]uril-Based Host-Guest Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16850-16853.	13.8	45
12	Creation of "Rose Petal" and "Lotus Leaf" Effects on Alumina by Surface Functionalization and Metal-Ion Coordination. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16018-16022.	13.8	38
13	Audible sound-controlled spatiotemporal patterns in out-of-equilibrium systems. <i>Nature Chemistry</i> , 2020, 12, 808-813.	13.6	36
14	Supramolecular Fullerene Tetramers Concocted with Porphyrin Boxes Enable Efficient Charge Separation and Delocalization. <i>Journal of the American Chemical Society</i> , 2020, 142, 12596-12601.	13.7	35
15	Remotely controllable supramolecular rotor mounted inside a porphyrinic cage. <i>CheM</i> , 2022, 8, 543-556.	11.7	24
16	Fuel-Driven Transient Crystallization of a Cucurbit[8]uril-Based Host-Guest Complex. <i>Angewandte Chemie</i> , 2019, 131, 17006-17009.	2.0	20
17	Creation of "Rose Petal" and "Lotus Leaf" Effects on Alumina by Surface Functionalization and Metal-Ion Coordination. <i>Angewandte Chemie</i> , 2017, 129, 16234-16238.	2.0	9
18	Out-of-equilibrium chemical logic systems: Light- and sound-controlled programmable spatiotemporal patterns and mechanical functions. <i>CheM</i> , 2022, 8, 2192-2203.	11.7	5

#	ARTICLE	IF	CITATIONS
19	Transient Self-assembly Processes Operated by Gaseous Fuels under Out-of-Equilibrium Conditions. Chemistry - an Asian Journal, 2020, 15, 4118-4123.	3.3	4
20	Cascade reaction networks within audible sound induced transient domains in a solution. Nature Communications, 2022, 13, 2372.	12.8	4
21	Audible Sound Controlled Blue Bottle Experiment. Journal of Chemical Education, 0, , .	2.3	2