

Syamantak Roy

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

980
citations

516710

16
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanide-organic frameworks for gas storage and as magneto-luminescent materials. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 139-164.	18.8	242
2	Self-cleaning MOF: realization of extreme water repellence in coordination driven self-assembled nanostructures. <i>Chemical Science</i> , 2016, 7, 2251-2256.	7.4	92
3	Redox-active and semi-conducting donor-acceptor conjugated microporous polymers as metal-free ORR catalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5587-5591.	10.3	69
4	Flexible MOF-aminoclay nanocomposites showing tunable stepwise/gated sorption for C_2H_2 , CO_2 and separation for CO_2/N_2 and CO_2/CH_4 . <i>Journal of Materials Chemistry A</i> , 2017, 5, 8423-8430.	10.3	67
5	Series of Dicyanamide-Interlaced Assembly of Zinc-Schiff-Base Complexes: Crystal Structure and Photophysical and Thermal Studies. <i>Inorganic Chemistry</i> , 2012, 51, 12176-12187.	4.0	66
6	Metallophthalocyanine-based redox active metal-organic conjugated microporous polymers for OER catalysis. <i>Chemical Communications</i> , 2018, 54, 4465-4468.	4.1	64
7	Highly Luminescent Microporous Organic Polymer with Lewis Acidic Boron Sites on the Pore Surface: Ratiometric Sensing and Capture of F^{+} Ions. <i>Chemistry - A European Journal</i> , 2015, 21, 10799-10804.	3.3	55
8	Synthesis, Characterization, and Modeling of a Functional Conjugated Microporous Polymer: CO_2 Storage and Light Harvesting. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24369-24376.	3.1	53
9	Halogen-Halogen Interactions in the Supramolecular Assembly of 2D Coordination Polymers and the CO_2 Sorption Behavior. <i>Crystal Growth and Design</i> , 2016, 16, 5514-5519.	3.0	43
10	In situ Stabilization of Au and Co Nanoparticles in a Redox-Active Conjugated Microporous Polymer Matrix: Facile Heterogeneous Catalysis and Electrocatalytic Oxygen Reduction Reaction Activity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5455-5461.	8.0	31
11	Photochromic Conjugated Microporous Polymer Manifesting Bio-Inspired pcFRET and Logic Gate Functioning. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20991-20997.	8.0	28
12	Pure white light emission and charge transfer in organogels of symmetrical and unsymmetrical π -chromophoric oligo-(p-phenyleneethynylene) bola-amphiphiles. <i>Chemical Communications</i> , 2018, 54, 275-278.	4.1	24
13	Colossal Increase in Electric Current and High Rectification Ratio in a Photoconducting, Self-Cleaning, and Luminescent Schottky Barrier NMOF Diode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23803-23810.	3.1	23
14	Reversible Polymorphism, Liquid Crystallinity, and Stimuli-Responsive Luminescence in a Bola-amphiphilic π -System: Structure-Property Correlations Through Nanoindentation and DFT Calculations. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4086-4092.	4.6	22
15	Nanovesicular MOF with Omniphilic Porosity: Bimodal Functionality for White-Light Emission and Photocatalysis by Dye Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23140-23146.	8.0	22
16	Solvent Adaptive Dynamic Metal-Organic Soft Hybrid for Imaging and Biological Delivery. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5008-5012.	13.8	22
17	Photoswitchable J-Aggregated Processable Organogel by Integrating a Photochromic Acceptor. <i>Journal of Organic Chemistry</i> , 2019, 84, 10946-10952.	3.2	11
18	Solvent-Modulated Emission Properties in a Superhydrophobic Oligo(p-phenyleneethynylene)-Based 3D Porous Supramolecular Framework. <i>Inorganic Chemistry</i> , 2018, 57, 8693-8696.	4.0	10

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19	Solvent Adaptive Dynamic Metal-Organic Soft Hybrid for Imaging and Biological Delivery. <i>Angewandte Chemie</i> , 2019, 131, 5062-5066.	2.0	9
20	Polyaromatic hydrocarbon derivatized azo-oximes of cobalt for the ligand-redox controlled electrocatalytic oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2020, 44, 3737-3747.	2.8	7
21	Tunable Physical States and Optical Properties of Bola-Amphiphilic Oligo-(<i>p</i> -phenyleneethynylene)-Based Supramolecular Networks Assisted by Functional Group Modulation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21598-21606.	3.1	6
22	Dynamic Resolution of Piezosensitivity in Single Crystals of π -Conjugated Molecules. <i>Chemistry - A European Journal</i> , 2019, 25, 6092-6097.	3.3	6
23	Potential of hydrophobic metal-organic framework-based materials for environmental applications. , 2019, , 319-354.		3
24	Self-assembled organic and hybrid materials derived from oligo-(<i>p</i> -phenyleneethynylenes). <i>Chemical Communications</i> , 2022, 58, 4149-4167.	4.1	3
25	Two 3D supramolecular frameworks assembled from the dinuclear building block: A crystallographic evidence of carboxylate(O) \cdots H interaction. <i>Journal of Chemical Sciences</i> , 2014, 126, 1153-1161.	1.5	1
26	Semiconductivity and superhydrophobicity in an oligo-(<i>p</i> -phenyleneethynylene) (OPE)-based luminescent MOF. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	1