

# Syamantak Roy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5384577/publications.pdf>

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	Self-assembled organic and hybrid materials derived from oligo-( <i>p</i> -phenyleneethynyls). <i>Chemical Communications</i> , 2022, 58, 4149-4167.	4.1	3
2	Photochromic Conjugated Microporous Polymer Manifesting Bio-Inspired pcFRET and Logic Gate Functioning. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20991-20997.	8.0	28
3	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
4	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
5	Photoswitchable J-Aggregated Processable Organogel by Integrating a Photochromic Acceptor. <i>Journal of Organic Chemistry</i> , 2019, 84, 10946-10952.	3.2	11
6	Potential of hydrophobic metal-organic framework-based materials for environmental applications. , 2019, , 319-354.		3
7	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 &amp; Interfaces</i> , 2019, 11, 5455-5461.	8.0	31
8	Dynamic Resolution of Piezosensitivity in Single Crystals of Conjugated Molecules. <i>Chemistry - A European Journal</i> , 2019, 25, 6092-6097.	3.3	6
9	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
10	Solvent Adaptive Dynamic Metal-Organic Soft Hybrid for Imaging and Biological Delivery. <i>Angewandte Chemie</i> , 2019, 131, 5062-5066.	2.0	9
11	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
12	Metallophthalocyanine-based redox active metal-organic conjugated microporous polymers for OER catalysis. <i>Chemical Communications</i> , 2018, 54, 4465-4468.	4.1	64
13	Pure white light emission and charge transfer in organogels of symmetrical and unsymmetrical chromophoric oligo-( <i>p</i> -phenyleneethynylene) bola-amphiphiles. <i>Chemical Communications</i> , 2018, 54, 275-278.	4.1	24
14	Nanovesicular MOF with Omniphilic Porosity: Bimodal Functionality for White-Light Emission and Photocatalysis by Dye Encapsulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 23140-23146.	8.0	22
15	Solvent-Modulated Emission Properties in a Superhydrophobic Oligo( <i>p</i> -phenyleneethynylene)-Based 3D Porous Supramolecular Framework. <i>Inorganic Chemistry</i> , 2018, 57, 8693-8696.	4.0	10
16	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
17	Flexible MOF-aminoclay nanocomposites showing tunable stepwise/gated sorption for C <sub>2</sub> H <sub>2</sub> , CO <sub>2</sub> and separation for CO <sub>2</sub> /N <sub>2</sub> and CO <sub>2</sub> /CH <sub>4</sub> . <i>Journal of Materials Chemistry A</i> , 2017, 5, 8423-8430.	10.3	67
18	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

#	ARTICLE	IF	CITATIONS
19	Reversible Polymorphism, Liquid Crystallinity, and Stimuli-Responsive Luminescence in a Bola-amphiphilic $\pi$ -System: Structure-Property Correlations Through Nanoindentation and DFT Calculations. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4086-4092.	4.6	22
20	Halogen-Halogen Interactions in the Supramolecular Assembly of 2D Coordination Polymers and the $\text{CO}_2$ Sorption Behavior. <i>Crystal Growth and Design</i> , 2016, 16, 5514-5519.	3.0	43
21	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
22	Highly Luminescent Microporous Organic Polymer with Lewis Acidic Boron Sites on the Pore Surface: Ratiometric Sensing and Capture of $\text{F}^+$ Ions. <i>Chemistry - A European Journal</i> , 2015, 21, 10799-10804.	3.3	55
23	Lanthanide-organic frameworks for gas storage and as magneto-luminescent materials. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 139-164.	18.8	242
24	Synthesis, Characterization, and Modeling of a Functional Conjugated Microporous Polymer: $\text{CO}_2$ Storage and Light Harvesting. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24369-24376.	3.1	53
25	Two 3D supramolecular frameworks assembled from the dinuclear building block: A crystallographic evidence of carboxylate(O)- $\pi$ interaction. <i>Journal of Chemical Sciences</i> , 2014, 126, 1153-1161.	1.5	1
26	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