

# Barun Dhara

## List of Publications by Year in descending order

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17  
papers

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citations

759233

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h-index

888059

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docs citations

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times ranked

805  
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#	ARTICLE	IF	CITATIONS
1	Increase in Electrical Conductivity of MOF to Billion-Fold upon Filling the Nanochannels with Conducting Polymer. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2945-2950.	4.6	127
2	Solution-Processable, Crystalline $\pi$ -Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. <i>Chem</i> , 2020, 6, 2035-2045.	11.7	44
3	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
4	Selective Sensing of Metal Ions and Nitro Explosives by Efficient Switching of Excimer-to-Monomer Emission of an Amphiphilic Pyrene Derivative. <i>ACS Omega</i> , 2016, 1, 371-377.	3.5	29
5	Highly Hydrophobic and Chemically Rectifiable Surface-Anchored Metal-Organic Framework Thin-Film Devices. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500738.	3.7	29
6	Enhancing the thermopower and tuning the resistivity in Bi <sub>2</sub> Se <sub>3</sub> with Fe-doping. <i>Chemical Physics Letters</i> , 2015, 638, 94-98.	2.6	17
7	Possible Room-Temperature Ferromagnetism in Self-Assembled Ensembles of Paramagnetic and Diamagnetic Molecular Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4988-4995.	4.6	17
8	Coordination polymers of Fe(III) and Al(III) ions with TCA ligand: distinctive fluorescence, CO <sub>2</sub> uptake, redox-activity and oxygen evolution reaction. <i>Dalton Transactions</i> , 2016, 45, 6901-6908.	3.3	17
9	Redox-Induced Photoluminescence of Metal-Organic Coordination Polymer Gel. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19287-19293.	3.1	15
10	In situ generation of conducting polymer in a redox-active metal-organic gel. <i>RSC Advances</i> , 2013, 3, 4909.	3.6	13
11	Diamagnetic Molecules Exhibiting Room-Temperature Ferromagnetism in Supramolecular Aggregates. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12159-12167.	3.1	13
12	Achieving current rectification ratios $\times 10^5$ across thin films of coordination polymer. <i>Chemical Science</i> , 2019, 10, 10040-10047.	7.4	12
13	Giant Enhancement of Carrier Mobility in Bimetallic Coordination Polymers. <i>ACS Omega</i> , 2017, 2, 4488-4493.	3.5	9
14	Nanofibers to nanocuboids of polyaniline by lead nitrate: hierarchical self-assembly with lead ions. <i>RSC Advances</i> , 2014, 4, 9851.	3.6	8
15	Enhancing Intermolecular Interaction by Cyano Substitution in Copper Phthalocyanine. <i>Journal of Physical Chemistry C</i> , 2018, 122, 429-437.	3.1	8
16	Effect of Cyano Substitution on the Step-Edge Adsorption of Copper Phthalocyanine on Au(111). <i>Journal of Physical Chemistry C</i> , 2018, 122, 11848-11854.	3.1	7
17	Stable Red Emission from Nanosheets of Molecularly Doped Hexagonal Boron Nitride. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21076-21082.	3.1	6