

Bishnu P Biswal

List of Publications by Year in descending order

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40
papers

7,534
citations

109264

35
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265120

42
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42
all docs

42
docs citations

42
times ranked

6962
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical Synthesis of Chemically Stable Isoreticular Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2013, 135, 5328-5331.	6.6	821
2	Chemically Stable Multilayered Covalent Organic Nanosheets from Covalent Organic Frameworks via Mechanical Delamination. <i>Journal of the American Chemical Society</i> , 2013, 135, 17853-17861.	6.6	717
3	Selective Molecular Sieving in Self-Standing Porous Covalent Organic Framework Membranes. <i>Advanced Materials</i> , 2017, 29, 1603945.	11.1	524
4	Chemical sensing in two dimensional porous covalent organic nanosheets. <i>Chemical Science</i> , 2015, 6, 3931-3939.	3.7	504
5	Constructing Ultraporous Covalent Organic Frameworks in Seconds via an Organic Terracotta Process. <i>Journal of the American Chemical Society</i> , 2017, 139, 1856-1862.	6.6	432
6	Self-Exfoliated Guanidinium-Based Ionic Covalent Organic Nanosheets (iCONs). <i>Journal of the American Chemical Society</i> , 2016, 138, 2823-2828.	6.6	407
7	Polymer photocatalysts for solar-to-chemical energy conversion. <i>Nature Reviews Materials</i> , 2021, 6, 168-190.	23.3	361
8	A mechanochemically synthesized covalent organic framework as a proton-conducting solid electrolyte. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2682-2690.	5.2	309
9	A Nitrogen-Rich 2D sp^2 -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 849-853.	7.2	275
10	Chemically Stable Covalent Organic Framework (COF)-Polybenzimidazole Hybrid Membranes: Enhanced Gas Separation through Pore Modulation. <i>Chemistry - A European Journal</i> , 2016, 22, 4695-4699.	1.7	257
11	Crystalline metal-organic frameworks (MOFs): synthesis, structure and function. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 3-10.	0.5	246
12	Sustained Solar H_2 Evolution from a Thiazolo[5,4- <i>d</i>]thiazole-Bridged Covalent Organic Framework and Nickel-Thiolate Cluster in Water. <i>Journal of the American Chemical Society</i> , 2019, 141, 11082-11092.	6.6	239
13	Unveiling Electronic Properties in Metal-Phthalocyanine-Based Pyrazine-Linked Conjugated Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 16810-16816.	6.6	227
14	A Crystalline, 2D Polyarylimide Cathode for Ultrastable and Ultrafast Li Storage. <i>Advanced Materials</i> , 2019, 31, e1901478.	11.1	192
15	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7806-7810.	7.2	168
16	Zeolitic Imidazolate Framework (ZIF)-Derived, Hollow-Core, Nitrogen-Doped Carbon Nanostructures for Oxygen-Reduction Reactions in PEFCs. <i>Chemistry - A European Journal</i> , 2013, 19, 9335-9342.	1.7	147
17	Mechanosynthesis of imine, β^2 -ketoenamine, and hydrogen-bonded imine-linked covalent organic frameworks using liquid-assisted grinding. <i>Chemical Communications</i> , 2014, 50, 12615-12618.	2.2	146
18	Pore surface engineering in porous, chemically stable covalent organic frameworks for water adsorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 23664-23669.	5.2	143

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19	Nonlinear Optical Switching in Regioregular Porphyrin Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6896-6900.	7.2	135
20	Stabilization of graphene quantum dots (GQDs) by encapsulation inside zeolitic imidazolate framework nanocrystals for photoluminescence tuning. <i>Nanoscale</i> , 2013, 5, 10556.	2.8	131
21	Control of Porosity by Using Isoreticular Zeolitic Imidazolate Frameworks (IRZIFs) as a Template for Porous Carbon Synthesis. <i>Chemistry - A European Journal</i> , 2012, 18, 11399-11408.	1.7	122
22	Thiophene-bridged Donor-Acceptor sp^2 -Carbon-Linked 2D Conjugated Polymers as Photocathodes for Water Reduction. <i>Advanced Materials</i> , 2021, 33, e2006274.	11.1	100
23	Boosting the Electrocatalytic Conversion of Nitrogen to Ammonia on Metal-Phthalocyanine-Based Two-Dimensional Conjugated Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 19992-20000.	6.6	100
24	Synthesis of Vinylene-Linked Two-Dimensional Conjugated Polymers via the Horner-Wadsworth-Emmons Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23620-23625.	7.2	86
25	Sub-stoichiometric 2D covalent organic frameworks from tri- and tetratopic linkers. <i>Nature Communications</i> , 2019, 10, 2689.	5.8	83
26	Selective interfacial synthesis of metal-organic frameworks on a polybenzimidazole hollow fiber membrane for gas separation. <i>Nanoscale</i> , 2015, 7, 7291-7298.	2.8	79
27	Solution mediated phase transformation (RHO to SOD) in porous Co-imidazolate based zeolitic frameworks with high water stability. <i>Chemical Communications</i> , 2012, 48, 11868.	2.2	77
28	A Nitrogen-Rich 2D sp^2 -Carbon-Linked Conjugated Polymer Framework as a High-Performance Cathode for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2019, 131, 859-863.	1.6	71
29	Constructing covalent organic frameworks in water via dynamic covalent bonding. <i>IUCr</i> , 2016, 3, 402-407.	1.0	59
30	A thiazolo[5,4-d]thiazole-bridged porphyrin organic framework as a promising nonlinear optical material. <i>Chemical Communications</i> , 2019, 55, 11025-11028.	2.2	59
31	Luminescent sp^2 -Carbon-Linked 2D Conjugated Polymers with High Photostability. <i>Chemistry of Materials</i> , 2020, 32, 7985-7991.	3.2	48
32	Kitchen grinder: a tool for the synthesis of metal-organic frameworks towards size selective dye adsorption. <i>CrystEngComm</i> , 2018, 20, 2486-2490.	1.3	47
33	Nonlinear Optical Switching in Regioregular Porphyrin Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2019, 131, 6970-6974.	1.6	43
34	Fully sp^2 -Carbon-Linked Crystalline Two-Dimensional Conjugated Polymers: Insight into 2D Poly(phenylenecyanovinylene) Formation and its Optoelectronic Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 6562-6568.	1.7	40
35	Exploration of Thiazolo[5,4-d]thiazole Linkages in Conjugated Porous Organic Polymers for Chemoselective Molecular Sieving. <i>Chemistry - A European Journal</i> , 2018, 24, 10868-10875.	1.7	39
36	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. <i>Angewandte Chemie</i> , 2016, 128, 7937-7941.	1.6	32

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37	Synthese von Vinyl- $\frac{1}{4}$ pfen zweidimensionalen konjugierten Polymeren via Horner-Wadsworth-Emmons-Reaktion. <i>Angewandte Chemie</i> , 2020, 132, 23827-23832.	1.6	18
38	Transforming covalent organic framework into thin-film composite membranes for hydrocarbon recovery. <i>Separation Science and Technology</i> , 2018, 53, 1752-1759.	1.3	15
39	MXene-Coupled Sandwich-Like Polyaniline as Dual Conductive Electrode for Flexible All-Solid-State and Ionic-Liquid-Based Supercapacitors with Superior Energy Density. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101263.	1.9	14
40	Construction of MXene-Coupled Nitrogen-Doped Porous Carbon Hybrid from a Conjugated Microporous Polymer for High-Performance Supercapacitors. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2000052.	2.8	12