Bishnu P Biswal

List of Publications by Year in descending order

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40 papers	7,534 citations	109321 35 h-index	265206 42 g-index
42 all docs	42 docs citations	42 times ranked	6962 citing authors

#	Article	IF	Citations
1	Polymer photocatalysts for solar-to-chemical energy conversion. Nature Reviews Materials, 2021, 6, 168-190.	48.7	361
2	Thiopheneâ€Bridged Donorâ€“Acceptor sp²â€Carbonâ€Linked 2D Conjugated Polymers as Photocathodes for Water Reduction. Advanced Materials, 2021, 33, e2006274.	21.0	100
3	Construction of MXeneâ€Coupled Nitrogenâ€Doped Porous Carbon Hybrid from a Conjugated Microporous Polymer for Highâ€Performance Supercapacitors. Advanced Energy and Sustainability Research, 2021, 2, 2000052.	5.8	12
4	MXeneâ€Coupled Sandwichâ€Like Polyaniline as Dual Conductive Electrode for Flexible Allâ€Solidâ€State and Ionicâ€Liquidâ€Based Supercapacitors with Superior Energy Density. Advanced Materials Interfaces, 2021, 8, 2101263.	3.7	14
5	Boosting the Electrocatalytic Conversion of Nitrogen to Ammonia on Metal-Phthalocyanine-Based Two-Dimensional Conjugated Covalent Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 19992-20000.	13.7	100
6	Synthese von Vinylâ€verknÃ¼pften zweidimensionalen konjugierten Polymeren via Hornerâ€Wadsworthâ€Emmonsâ€Reaktion. Angewandte Chemie, 2020, 132, 23827-23832.	2.0	18
7	Synthesis of Vinyleneâ€Linked Twoâ€Dimensional Conjugated Polymers via the Hornerâ€“Wadsworthâ€“Emmons Reaction. Angewandte Chemie - International Edition, 2020, 59, 23620-23625.	13.8	86
8	Luminescent sp²-Carbon-Linked 2D Conjugated Polymers with High Photostability. Chemistry of Materials, 2020, 32, 7985-7991.	6.7	48
9	A Nitrogenâ€Rich 2D sp²â€Carbonâ€Linked Conjugated Polymer Framework as a Highâ€Performance Cathode for Lithiumâ€Ion Batteries. Angewandte Chemie, 2019, 131, 859-863.	2.0	71
10	A thiazolo[5,4-d]thiazole-bridged porphyrin organic framework as a promising nonlinear optical material. Chemical Communications, 2019, 55, 11025-11028.	4.1	59
11	Unveiling Electronic Properties in Metalâ€“Phthalocyanine-Based Pyrazine-Linked Conjugated Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 16810-16816.	13.7	227
12	Sustained Solar H₂ Evolution from a Thiazolo[5,4-d]thiazole-Bridged Covalent Organic Framework and Nickel-Thiolate Cluster in Water. Journal of the American Chemical Society, 2019, 141, 11082-11092.	13.7	239
13	Sub-stoichiometric 2D covalent organic frameworks from tri- and tetratopic linkers. Nature Communications, 2019, 10, 2689.	12.8	83
14	A Crystalline, 2D Polyarylimide Cathode for Ultrastable and Ultrafast Li Storage. Advanced Materials, 2019, 31, e1901478.	21.0	192
15	Fully sp²â€Carbonâ€Linked Crystalline Twoâ€Dimensional Conjugated Polymers: Insight into 2D Poly(phenylenecyanovinylene) Formation and its Optoelectronic Properties. Chemistry - A European Journal, 2019, 25, 6562-6568.	3.3	40
16	Nonlinear Optical Switching in Regioregular Porphyrin Covalent Organic Frameworks. Angewandte Chemie, 2019, 131, 6970-6974.	2.0	43
17	Nonlinear Optical Switching in Regioregular Porphyrin Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 6896-6900.	13.8	135
18	A Nitrogenâ€Rich 2D sp²â€Carbonâ€Linked Conjugated Polymer Framework as a Highâ€Performance Cathode for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2019, 58, 849-853.	13.8	275

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19	Transforming covalent organic framework into thin-film composite membranes for hydrocarbon recovery. Separation Science and Technology, 2018, 53, 1752-1759.	2.5	15
20	Kitchen grinder: a tool for the synthesis of metalâ€“organic frameworks towards size selective dye adsorption. CrystEngComm, 2018, 20, 2486-2490.	2.6	47
21	Exploration of Thiazolo[5,4â€d]thiazole Linkages in Conjugated Porous Organic Polymers for Chemoselective Molecular Sieving. Chemistry - A European Journal, 2018, 24, 10868-10875.	3.3	39
22	Constructing Ultraporous Covalent Organic Frameworks in Seconds via an Organic Terracotta Process. Journal of the American Chemical Society, 2017, 139, 1856-1862.	13.7	432
23	Selective Molecular Sieving in Selfâ€Standing Porous Covalentâ€Organicâ€Framework Membranes. Advanced Materials, 2017, 29, 1603945.	21.0	524
24	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. Angewandte Chemie - International Edition, 2016, 55, 7806-7810.	13.8	168
25	Constructing covalent organic frameworks in waterviadynamic covalent bonding. IUCrJ, 2016, 3, 402-407.	2.2	59
26	Decoding the Morphological Diversity in Two Dimensional Crystalline Porous Polymers by Core Planarity Modulation. Angewandte Chemie, 2016, 128, 7937-7941.	2.0	32
27	A mechanochemically synthesized covalent organic framework as a proton-conducting solid electrolyte. Journal of Materials Chemistry A, 2016, 4, 2682-2690.	10.3	309
28	Chemically Stable Covalent Organic Framework (COF)â€Polybenzimidazole Hybrid Membranes: Enhanced Gas Separation through Pore Modulation. Chemistry - A European Journal, 2016, 22, 4695-4699.	3.3	257
29	Self-Exfoliated Guanidinium-Based Ionic Covalent Organic Nanosheets (iCONs). Journal of the American Chemical Society, 2016, 138, 2823-2828.	13.7	407
30	Selective interfacial synthesis of metalâ€“organic frameworks on a polybenzimidazole hollow fiber membrane for gas separation. Nanoscale, 2015, 7, 7291-7298.	5.6	79
31	Chemical sensing in two dimensional porous covalent organic nanosheets. Chemical Science, 2015, 6, 3931-3939.	7.4	504
32	Pore surface engineering in porous, chemically stable covalent organic frameworks for water adsorption. Journal of Materials Chemistry A, 2015, 3, 23664-23669.	10.3	143
33	Crystalline metal-organic frameworks (MOFs): synthesis, structure and function. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 3-10.	1.1	246
34	Mechanosynthesis of imine, Î²-ketoenamine, and hydrogen-bonded imine-linked covalent organic frameworks using liquid-assisted grinding. Chemical Communications, 2014, 50, 12615-12618.	4.1	146
35	Stabilization of graphene quantum dots (GQDs) by encapsulation inside zeolitic imidazolate framework nanocrystals for photoluminescence tuning. Nanoscale, 2013, 5, 10556.	5.6	131
36	Chemically Stable Multilayered Covalent Organic Nanosheets from Covalent Organic Frameworks via Mechanical Delamination. Journal of the American Chemical Society, 2013, 135, 17853-17861.	13.7	717

#	Article	IF	Citations
37	Mechanochemical Synthesis of Chemically Stable Isoreticular Covalent Organic Frameworks. Journal of the American Chemical Society, 2013, 135, 5328-5331.	13.7	821
38	Zeolitic Imidazolate Framework (ZIF)â€Derived, Hollowâ€Core, Nitrogenâ€Doped Carbon Nanostructures for Oxygenâ€Reduction Reactions in PEFCs. Chemistry - A European Journal, 2013, 19, 9335-9342.	3.3	147
39	Solution mediated phase transformation (RHO to SOD) in porous Co-imidazolate based zeolitic frameworks with high water stability. Chemical Communications, 2012, 48, 11868.	4.1	77
40	Control of Porosity by Using Isoreticular Zeolitic Imidazolate Frameworks (IRZIFs) as a Template for Porous Carbon Synthesis. Chemistry - A European Journal, 2012, 18, 11399-11408.	3.3	122