

Bishnu Prasad Bastakoti

List of Publications by Year in descending order

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77
papers

2,726
citations

185998

28
h-index

189595

50
g-index

82
all docs

82
docs citations

82
times ranked

4343
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow Structured Transition Metal Phosphates and Their Applications. Chemical Record, 2022, 22, .	2.9	6
2	Metal-incorporated mesoporous oxides: Synthesis and applications. Journal of Hazardous Materials, 2021, 401, 123348.	6.5	19
3	Polymer directed synthesis of NiO nanoflowers to remove pollutant from wastewater. Journal of Molecular Liquids, 2021, 324, 114676.	2.3	7
4	Recent Advances in Electrochemical Water Splitting and Reduction of CO ₂ into Green Fuels on 2D Phosphorene-Based Catalyst. Energy Technology, 2021, 9, .	1.8	14
5	Facile synthesis of a mesoporous TiO ₂ film templated by a block copolymer for photocatalytic applications. New Journal of Chemistry, 2021, 45, 15761-15766.	1.4	5
6	Frontispiece: Porous Tungsten Oxide: Recent Advances in Design, Synthesis, and Applications. Chemistry - A European Journal, 2021, 27, .	1.7	0
7	Porous Tungsten Oxide: Recent Advances in Design, Synthesis, and Applications. Chemistry - A European Journal, 2021, 27, 9241-9252.	1.7	19
8	Synthesis of magnetite loaded fluorescence micelles of triblock copolymer. Journal of Molecular Liquids, 2020, 305, 112785.	2.3	9
9	Enhanced energy storage density in Sc ³⁺ substituted Pb(Zr _{0.53} Ti _{0.47})O ₃ nanoscale films by pulse laser deposition technique. Applied Surface Science, 2019, 490, 451-459.	3.1	28
10	Micelles template for the synthesis of hollow nickel phosphate nanospheres. Materials Letters, 2019, 251, 34-36.	1.3	6
11	Direct Synthesis of Polymer Vesicles on the Hundred Nanometer Beyond Scale Using Chemical Oscillations. Chemistry - A European Journal, 2018, 24, 10621-10624.	1.7	10
12	Synthesis of nanoporous calcium carbonate spheres using double hydrophilic block copolymer poly(acrylic acid-b-N-isopropylacrylamide). Materials Letters, 2018, 230, 143-147.	1.3	11
13	Self-Assembly of Polymeric Micelles Made of Asymmetric Polystyrene-b-Polyacrylic Acid-b-Polyethylene Oxide for the Synthesis of Mesoporous Nickel Ferrite. European Journal of Inorganic Chemistry, 2017, 2017, 1328-1332.	1.0	8
14	Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie - International Edition, 2017, 56, 12086-12091.	7.2	42
15	Hollow carbon nanospheres using an asymmetric triblock copolymer structure directing agent. Chemical Communications, 2017, 53, 236-239.	2.2	37
16	Autonomous Ex Novo Chemical Assembly with Blebbing and Division of Functional Polymer Vesicles from a Homogeneous Mixture. Advanced Materials, 2017, 29, 1704368.	11.1	38
17	Frontispiece: Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
18	Frontispiz: Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie, 2017, 129, .	1.6	0

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19	Tailored Design of Bicontinuous Gyroid Mesoporous Carbon and Nitrogen-Doped Carbon from Poly(ethylene oxide- <i>b</i> -ε-caprolactone) Diblock Copolymers. <i>Chemistry - A European Journal</i> , 2017, 23, 13734-13741.	1.7	43
20	Mesostructured fullerene crystals through inverse polymeric micelle assembly. <i>Materials Letters</i> , 2017, 209, 272-275.	1.3	3
21	Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. <i>Angewandte Chemie</i> , 2017, 129, 12254-12259.	1.6	6
22	Research Update: Triblock copolymers as templates to synthesize inorganic nanoporous materials. <i>APL Materials</i> , 2016, 4, .	2.2	28
23	Nanoarchitectures of self-assembled poly(styrene- <i>b</i> -4-vinyl pyridine) diblock copolymer blended with polypeptide for effective adsorption of mercury(II) ions. <i>RSC Advances</i> , 2016, 6, 106866-106872.	1.7	4
24	Strategic synthesis of mesoporous Pt-on-Pd bimetallic spheres templated from a polymeric micelle assembly. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9169-9176.	5.2	32
25	Hierarchical mesoporous silicas templated by PE- <i>b</i> -PEO- <i>b</i> -PLA triblock copolymer for fluorescent drug delivery. <i>RSC Advances</i> , 2016, 6, 33811-33820.	1.7	15
26	Co-templating Synthesis of Bimodal Mesoporous Silica for Potential Drug Carrier. <i>ChemistrySelect</i> , 2016, 1, 1339-1346.	0.7	9
27	Formation of mesopores inside platinum nanospheres by using double hydrophilic block copolymers. <i>Materials Letters</i> , 2016, 182, 190-193.	1.3	5
28	Direct Assembly of Mesoporous Silica Functionalized with Polypeptides for Efficient Dye Adsorption. <i>Chemistry - A European Journal</i> , 2016, 22, 1159-1164.	1.7	19
29	Synthesis of Mesoporous Transition-Metal Phosphates by Polymeric Micelle Assembly. <i>Chemistry - A European Journal</i> , 2016, 22, 7463-7467.	1.7	17
30	Thermo-responsive hydrogels containing mesoporous silica toward controlled and sustainable releases. <i>Materials Letters</i> , 2016, 168, 176-179.	1.3	23
31	Figure: Polymeric Micelle Assembly with Inorganic Nanosheets for Construction of Mesoporous Architectures with Crystallized Walls (<i>Angew. Chem.</i> 14/2015). <i>Angewandte Chemie</i> , 2015, 127, 4478-4478.	1.6	0
32	Smart Soft-Templating Synthesis of Hollow Mesoporous Bioactive Glass Spheres. <i>Chemistry - A European Journal</i> , 2015, 21, 8038-8042.	1.7	39
33	Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11073-11077.	7.2	160
34	Multi-Stimuli-Responsive Polymeric Materials. <i>Chemistry - A European Journal</i> , 2015, 21, 13164-13174.	1.7	182
35	Easy and General Synthesis of Large-Sized Mesoporous Rare-Earth Oxide Thin Films by "Micelle Assembly" Chemistry - <i>an Asian Journal</i> , 2015, 10, 2590-2593.	1.7	2
36	Functionalized magnetic iron oxide/alginate core-shell nanoparticles for targeting hyperthermia. <i>International Journal of Nanomedicine</i> , 2015, 10, 3315.	3.3	71

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37	Stimuli-Induced Core-Corona Inversion of Micelle of Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (acid)- Macromolecular Chemistry and Physics, 2015, 216, 287-291.	1.1	50
38	Dual Soft-Template System Based on Colloidal Chemistry for the Synthesis of Hollow Mesoporous Silica Nanoparticles. Chemistry - A European Journal, 2015, 21, 6375-6380.	1.7	55
39	Multiple hydrogen bonding mediates the formation of multicompartment micelles and hierarchical self-assembled structures from pseudo A-block-(B-graft-C) terpolymers. Polymer Chemistry, 2015, 6, 5110-5124.	1.9	21
40	Mesoporous TiO ₂ /Zn ₂ Ti ₃ O ₈ hybrid films synthesized by polymeric micelle assembly. Chemical Communications, 2015, 51, 14582-14585.	2.2	14
41	Polymeric Micelle Assembly with Inorganic Nanosheets for Construction of Mesoporous Architectures with Crystallized Walls. Angewandte Chemie - International Edition, 2015, 54, 4222-4225.	7.2	64
42	Synthesis of Highly Photocatalytic TiO ₂ /Microflowers Based on Solvothermal Approach Using N,N-Dimethylformamide. Journal of Nanoscience and Nanotechnology, 2015, 15, 4747-4751.	0.9	18
43	Block Copolymer-Assisted Solvothermal Synthesis of Bimetallic Pt-Pd Nanoparticles. Electrochimica Acta, 2015, 183, 119-124.	2.6	3
44	A dual soft-template synthesis of hollow mesoporous silica spheres decorated with Pt nanoparticles as a CO oxidation catalyst. RSC Advances, 2015, 5, 97928-97933.	1.7	11
45	Asymmetric Block Copolymers for Supramolecular Templating of Inorganic Nanospace Materials. Small, 2015, 11, 1992-2002.	5.2	52
46	Direct Growth of Cobalt Hydroxide Rods on Nickel Foam and Its Application for Energy Storage. Chemistry - A European Journal, 2014, 20, 3084-3088.	1.7	127
47	Synthesis of Mesoporous TiO ₂ /SiO ₂ Hybrid Films as an Efficient Photocatalyst by Polymeric Micelle Assembly. Chemistry - A European Journal, 2014, 20, 6027-6032.	1.7	123
48	Mesoporous Silica Particles as Topologically Crosslinking Fillers for Poly(N-isopropylacrylamide) Hydrogels. Chemistry - A European Journal, 2014, 20, 14955-14958.	1.7	16
49	Chemical design of a smart chitosan-polypyrrole-magnetite nanocomposite toward efficient water treatment. Physical Chemistry Chemical Physics, 2014, 16, 21812-21819.	1.3	53
50	Polymeric micelle assembly for the direct synthesis of functionalized mesoporous silica with fully accessible Pt nanoparticles toward an improved CO oxidation reaction. Chemical Communications, 2014, 50, 9101-9104.	2.2	24
51	Rapid Exchange between Atmospheric CO ₂ and Carbonate Anion Intercalated within Magnesium Rich Layered Double Hydroxide. ACS Applied Materials & Interfaces, 2014, 6, 18352-18359.	4.0	68
52	Polymeric Micelle Assembly for the Direct Synthesis of Platinum-Decorated Mesoporous TiO ₂ toward Highly Selective Sensing of Acetaldehyde. ACS Applied Materials & Interfaces, 2014, 6, 854-860.	4.0	46
53	Synthesis of hollow silica nanosphere with high accessible surface area and their hybridization with carbon matrix for drastic enhancement of electrochemical property. Applied Surface Science, 2014, 314, 552-557.	3.1	7
54	Polymeric Micelle Assembly for Preparation of Large-Sized Mesoporous Metal Oxides with Various Compositions. Langmuir, 2014, 30, 651-659.	1.6	138

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55	Direct synthesis of a mesoporous TiO ₂ –RuO ₂ composite through evaporation-induced polymeric micelle assembly. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10425-10428.	1.3	15
56	Inorganic–Organic Hybrid Nanoparticles with Biocompatible Calcium Phosphate Thin Shells for Fluorescence Enhancement. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1301-1305.	1.7	66
57	Schizophrenic micelles of poly(3-(methacryloylamino)propyltrimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 T Physicochemical and Engineering Aspects, 2013, 434, 56-62.	2.3	6
58	Hydrothermal Synthesis of Binary Ni–Co Hydroxides and Carbonate Hydroxides as Pseudosupercapacitors. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 39-43.	1.0	62
59	Controlled Synthesis of Well-Ordered Mesoporous Titania Films with Large Mesopores Templated by Spherical PS–PEO Micelles. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3286-3291.	1.0	16
60	Multifunctional Core–Shell–Corona Type Polymeric Micelles for Anticancer Drug Delivery and Imaging. <i>Chemistry - A European Journal</i> , 2013, 19, 4812-4817.	1.7	64
61	Mesoporous Carbon Incorporated with In ₂ O ₃ Nanoparticles as High-Performance Supercapacitors. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1109-1112.	1.0	92
62	pH-responsive polymeric micelles with core–shell–corona architectures as intracellular anti-cancer drug carriers. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 044402.	2.8	24
63	Preparation of Ordered Mesoporous Alumina-Doped Titania Films with High Thermal Stability and Their Application to High-Speed Passive-Matrix Electrochromic Displays. <i>Chemistry - A European Journal</i> , 2013, 19, 10958-10964.	1.7	22
64	Synthesis of Fine Gold Nanoparticles in Mesoporous Titania Nanoparticles Through Different Reduction Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2735-2739.	0.9	9
65	Novel synthesis route for Ag@SiO ₂ core–shell nanoparticles via micelle template of double hydrophilic block copolymer. <i>RSC Advances</i> , 2012, 2, 5938.	1.7	37
66	Synthesis of hollow BaSO ₄ nanospheres templated by core–shell–corona type polymeric micelles. <i>New Journal of Chemistry</i> , 2012, 36, 125-129.	1.4	22
67	Synthesis of MoO ₃ nanotubes by thermal mesostructural transition of spherical triblock copolymer micelle templates. <i>Chemical Communications</i> , 2012, 48, 12091.	2.2	17
68	Block copolymer assisted synthesis of porous Ni(OH) ₂ microflowers with high surface areas as electrochemical pseudocapacitor materials. <i>Chemical Communications</i> , 2012, 48, 9150.	2.2	124
69	A block copolymer micelle template for synthesis of hollow calcium phosphate nanospheres with excellent biocompatibility. <i>Chemical Communications</i> , 2012, 48, 6532.	2.2	95
70	Aqueous polymeric micelles of poly[N-isopropylacrylamide- <i>b</i> -sodium 2-(acrylamido)-2-methylpropanesulfonate] with a spiropyran dimer pendant: quadruple stimuli-responsiveness. <i>Soft Matter</i> , 2012, 8, 9628.	1.2	32
71	Synthesis of Hollow CaCO ₃ Nanospheres Templated by Micelles of Poly(styrene- <i>b</i> -acrylic acid- <i>b</i> -ethylene glycol) in Aqueous Solutions. <i>Langmuir</i> , 2011, 27, 379-384.	1.6	76
72	Incorporation and release behavior of amitriptylene in core–shell–corona type triblock copolymer micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 734-740.	2.5	20

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73	Hybrid micelle formation from poly(ethylene oxide-b-sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (2-acrylamido-1-prop Science, 2010, 288, 991-996.	1.0	8
74	Schizophrenic micellization of poly(ethylene oxide-b-methacrylic acid) induced by phosphate and calcium ions. Journal of Colloid and Interface Science, 2010, 350, 63-68.	5.0	21
75	Stimuli-induced core-corona inversion of micelles of water-soluble poly(sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td Polymer Chemistry, 2010, 1, 347-353.	1.8	24
76	Micelle formation of poly(ethylene oxide-b-sodium 2-(acrylamido)-2-methyl-1-propane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (sul Polymer Chemistry, 2010, 1, 347-353.	1.9	18
77	Synthesis of Inorganic Hollow Nanospheres and their Application in Drug in Delivery. Journal of Nepal Chemical Society, 0, 38, 12-17.	0.7	2