

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	Multi-Responsive Polymeric Materials. Chemistry - A European Journal, 2015, 21, 13164-13174.	1.7	182
2	Polymeric Micelle Assembly for the Smart Synthesis of Mesoporous Platinum Nanospheres with Tunable Pore Sizes. Angewandte Chemie - International Edition, 2015, 54, 11073-11077.	7.2	160
3	Polymeric Micelle Assembly for Preparation of Large-Sized Mesoporous Metal Oxides with Various Compositions. Langmuir, 2014, 30, 651-659.	1.6	138
4	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
5	Block copolymer assisted synthesis of porous $\text{Ni}(\text{OH})_2$ microflowers with high surface areas as electrochemical pseudocapacitor materials. Chemical Communications, 2012, 48, 9150.	2.2	124
6	Synthesis of Mesoporous $\text{TiO}_2/\text{SiO}_2$ Hybrid Films as an Efficient Photocatalyst by Polymeric Micelle Assembly. Chemistry - A European Journal, 2014, 20, 6027-6032.	1.7	123
7	A block copolymer micelle template for synthesis of hollow calcium phosphate nanospheres with excellent biocompatibility. Chemical Communications, 2012, 48, 6532.	2.2	95
8	Mesoporous Carbon Incorporated with In_2O_3 Nanoparticles as High-Performance Supercapacitors. European Journal of Inorganic Chemistry, 2013, 2013, 1109-1112.	1.0	92
9	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. Langmuir, 2011, 27, 379-384.	1.6	76
10	Functionalized magnetic iron oxide/alginate core-shell nanoparticles for targeting hyperthermia. International Journal of Nanomedicine, 2015, 10, 3315.	3.3	71
11	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
12	Inorganic-Organic Hybrid Nanoparticles with Biocompatible Calcium Phosphate Thin Shells for Fluorescence Enhancement. Chemistry - an Asian Journal, 2013, 8, 1301-1305.	1.7	66
13	Multifunctional Core-Shell Corona-Type Polymeric Micelles for Anticancer Drug Delivery and Imaging. Chemistry - A European Journal, 2013, 19, 4812-4817.	1.7	64
14	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
15	Hydrothermal Synthesis of Binary Ni-Co Hydroxides and Carbonate Hydroxides as Pseudosupercapacitors. European Journal of Inorganic Chemistry, 2013, 2013, 39-43.	1.0	62
16	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
17	Chemical design of a smart chitosan-poly pyrrole-magnetite nanocomposite toward efficient water treatment. Physical Chemistry Chemical Physics, 2014, 16, 21812-21819.	1.3	53
18	Asymmetric Block Copolymers for Supramolecular Templating of Inorganic Nanospace Materials. Small, 2015, 11, 1992-2002.	5.2	52

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19	Stimuli-induced Core-shell Corona Inversion of Micelle of Poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (acid)â€šâ€š Macromolecular Chemistry and Physics, 2015, 216, 287-291.	1.1	50
20	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
21	Tailored Design of Bicontinuous Gyroid Mesoporous Carbon and Nitrogen-Doped Carbon from Poly(ethylene oxide-b-caprolactone) Diblock Copolymers. Chemistry - A European Journal, 2017, 23, 13734-13741.	1.7	43
22	Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie - International Edition, 2017, 56, 12086-12091.	7.2	42
23	Smart Soft-Templating Synthesis of Hollow Mesoporous Bioactive Glass Spheres. Chemistry - A European Journal, 2015, 21, 8038-8042.	1.7	39
24	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
25	Novel synthesis route for Ag@SiO ₂ core-shell nanoparticles via micelle template of double hydrophilic block copolymer. RSC Advances, 2012, 2, 5938.	1.7	37
26	Hollow carbon nanospheres using an asymmetric triblock copolymer structure directing agent. Chemical Communications, 2017, 53, 236-239.	2.2	37
27	Aqueous polymeric micelles of poly[N-isopropylacrylamide-b-sodium 2-(acrylamido)-2-methylpropanesulfonate] with a spiropyran dimer pendant: quadruple stimuli-responsiveness. Soft Matter, 2012, 8, 9628.	1.2	32
28	Strategic synthesis of mesoporous Pt-on-Pd bimetallic spheres templated from a polymeric micelle assembly. Journal of Materials Chemistry A, 2016, 4, 9169-9176.	5.2	32
29	Research Update: Triblock copolymers as templates to synthesize inorganic nanoporous materials. APL Materials, 2016, 4, .	2.2	28
30	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
31	Stimuli-induced core-corona inversion of micelles of water-soluble poly(sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td 1.8 24	1.8	24
32	pH-responsive polymeric micelles with core-shell-corona architectures as intracellular anti-cancer drug carriers. Science and Technology of Advanced Materials, 2013, 14, 044402.	2.8	24
33	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
34	Thermo-responsive hydrogels containing mesoporous silica toward controlled and sustainable releases. Materials Letters, 2016, 168, 176-179.	1.3	23
35	Synthesis of hollow BaSO ₄ nanospheres templated by core-shell-corona type polymeric micelles. New Journal of Chemistry, 2012, 36, 125-129.	1.4	22
36	Preparation of Ordered Mesoporous Alumina-Doped Titania Films with High Thermal Stability and Their Application to High-Speed Passive-Matrix Electrochromic Displays. Chemistry - A European Journal, 2013, 19, 10958-10964.	1.7	22

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37	Schizophrenic micellization of poly(ethylene oxide-b-methacrylic acid) induced by phosphate and calcium ions. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 63-68.	5.0	21
38	Multiple hydrogen bonding mediates the formation of multicompartment micelles and hierarchical self-assembled structures from pseudo A-block-(B-graft-C) terpolymers. <i>Polymer Chemistry</i> , 2015, 6, 5110-5124.	1.9	21
39	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
40	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
41	Metal-incorporated mesoporous oxides: Synthesis and applications. <i>Journal of Hazardous Materials</i> , 2021, 401, 123348.	6.5	19
42	Porous Tungsten Oxide: Recent Advances in Design, Synthesis, and Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 9241-9252.	1.7	19
43	Micelle formation of poly(ethylene oxide-b-sodium 2-(acrylamido)-2-methyl-1-propane) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 <i>Polymer Chemistry</i> , 2010, 1, 347-353.	1.9	18
44	Synthesis of Highly Photocatalytic TiO ₂ Microflowers Based on Solvothermal Approach Using N,N-Dimethylformamide. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4747-4751.	0.9	18
45	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
46	Synthesis of Mesoporous Transition-Metal Phosphates by Polymeric Micelle Assembly. <i>Chemistry - A European Journal</i> , 2016, 22, 7463-7467.	1.7	17
47	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
48	Mesoporous Silica Particles as Topologically Crosslinking Fillers for Poly(N-isopropylacrylamide) Hydrogels. <i>Chemistry - A European Journal</i> , 2014, 20, 14955-14958.	1.7	16
49	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
50	Hierarchical mesoporous silicas templated by PE-b-PEO-b-PLA triblock copolymer for fluorescent drug delivery. <i>RSC Advances</i> , 2016, 6, 33811-33820.	1.7	15
51	Mesoporous TiO ₂ /Zn ₂ Ti ₃ O ₈ hybrid films synthesized by polymeric micelle assembly. <i>Chemical Communications</i> , 2015, 51, 14582-14585.	2.2	14
52	Recent Advances in Electrochemical Water Splitting and Reduction of CO ₂ into Green Fuels on 2D Phosphorene-Based Catalyst. <i>Energy Technology</i> , 2021, 9, .	1.8	14
53	A dual soft-template synthesis of hollow mesoporous silica spheres decorated with Pt nanoparticles as a CO oxidation catalyst. <i>RSC Advances</i> , 2015, 5, 97928-97933.	1.7	11
54	Synthesis of nanoporous calcium carbonate spheres using double hydrophilic block copolymer poly(acrylic acid-b-N-isopropylacrylamide). <i>Materials Letters</i> , 2018, 230, 143-147.	1.3	11

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55	Direct Synthesis of Polymer Vesicles on the Hundredâ€Nanometerâ€andâ€Beyond Scale Using Chemical Oscillations. Chemistry - A European Journal, 2018, 24, 10621-10624.	1.7	10
56	Synthesis of Fine Gold Nanoparticles in Mesoporous Titania Nanoparticles Through Different Reduction Methods. Journal of Nanoscience and Nanotechnology, 2013, 13, 2735-2739.	0.9	9
57	Co-templating Synthesis of Bimodal Mesoporous Silica for Potential Drug Carrier. ChemistrySelect, 2016, 1, 1339-1346.	0.7	9
58	Synthesis of magnetite loaded fluorescence micelles of triblock copolymer. Journal of Molecular Liquids, 2020, 305, 112785.	2.3	9
59	Hybrid micelle formation from poly(ethylene oxide-b-sodium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (2-acrylamido-1-propyl) Science, 2010, 288, 991-996.	1.0	8
60	Selfâ€Assembly of Polymeric Micelles Made of Asymmetric Polystyreneâ€Polyacrylic Acidâ€Polyethylene Oxide for the Synthesis of Mesoporous Nickel Ferrite. European Journal of Inorganic Chemistry, 2017, 2017, 1328-1332.	1.0	8
61	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
62	Polymer directed synthesis of NiO nanoflowers to remove pollutant from wastewater. Journal of Molecular Liquids, 2021, 324, 114676.	2.3	7
63	Schizophrenic micelles of poly(3-(methacryloylamino)propyltrimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td Physicochemical and Engineering Aspects, 2013, 434, 56-62.	2.3	6
64	Facile Oneâ€Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie, 2017, 129, 12254-12259.	1.6	6
65	Micelles template for the synthesis of hollow nickel phosphate nanospheres. Materials Letters, 2019, 251, 34-36.	1.3	6
66	Hollow Structured Transition Metal Phosphates and Their Applications. Chemical Record, 2022, 22, .	2.9	6
67	Formation of mesopores inside platinum nanospheres by using double hydrophilic block copolymers. Materials Letters, 2016, 182, 190-193.	1.3	5
68	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
69	Nanoarchitectures of self-assembled poly(styrene-b-4-vinyl pyridine) diblock copolymer blended with polypeptide for effective adsorption of mercury(II) ions. RSC Advances, 2016, 6, 106866-106872.	1.7	4
70	Block Copolymer-Assisted Solvothermal Synthesis of Bimetallic Pt-Pd Nanoparticles. Electrochimica Acta, 2015, 183, 119-124.	2.6	3
71	Mesostructured fullerene crystals through inverse polymeric micelle assembly. Materials Letters, 2017, 209, 272-275.	1.3	3
72	Easy and General Synthesis of Largeâ€Sized Mesoporous Rareâ€Earth Oxide Thin Films by â€Micelle Assemblyâ€ Chemistry - an Asian Journal, 2015, 10, 2590-2593.	1.7	2

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73	Synthesis of Inorganic Hollow Nanospheres and their Application in Drug in Delivery. Journal of Nepal Chemical Society, 0, 38, 12-17.	0.7	2
74	Rücktitelbild: Polymeric Micelle Assembly with Inorganic Nanosheets for Construction of Mesoporous Architectures with Crystallized Walls (Angew. Chem. 14/2015). Angewandte Chemie, 2015, 127, 4478-4478.	1.6	0
75	Frontispiece: Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
76	Frontispiz: Facile One-Pot Synthesis of Functional Giant Polymeric Vesicles Controlled by Oscillatory Chemistry. Angewandte Chemie, 2017, 129, .	1.6	0
77	Frontispiece: Porous Tungsten Oxide: Recent Advances in Design, Synthesis, and Applications. Chemistry - A European Journal, 2021, 27, .	1.7	0