Peter A Beaucage

List of Publications by Year
in descending order

26 papers	665 citations	686830 13 h-index	610482 24 g-index
26 all docs	26 docs citations	26 times ranked	1340 citing authors

#	Article	IF	Citations
1	Colloidal Covalent Organic Frameworks. ACS Central Science, 2017, 3, 58-65.	5.3	216
2	Block copolymer self-assemblyâ€“directed synthesis of mesoporous gyroidal superconductors. Science Advances, 2016, 2, e1501119.	4.7	104
3	Dynamically Responsive Multifunctional Asymmetric Triblock Terpolymer Membranes with Intrinsic Binding Sites for Covalent Molecule Attachment. Chemistry of Materials, 2016, 28, 3870-3876.	3.2	38
4	Pathways to Mesoporous Resin/Carbon Thin Films with Alternating Gyroid Morphology. ACS Nano, 2018, 12, 347-358.	7.3	35
5	Mesoporous titanium and niobium nitrides as conductive and stable electrocatalyst supports in acid environments. Chemical Communications, 2017, 53, 7250-7253.	2.2	34
6	Discrete, Hexagonal Boronate Ester-Linked Macrocycles Related to Two-Dimensional Covalent Organic Frameworks. Chemistry of Materials, 2016, 28, 4884-4888.	3.2	29
7	Self-Assembled Gyroidal Mesoporous Polymer-Derived High Temperature Ceramic Monoliths. Chemistry of Materials, 2016, 28, 2131-2137.	3.2	29
8	A crystalline and 3D periodically ordered mesoporous quaternary semiconductor for photocatalytic hydrogen generation. Nanoscale, 2018, 10, 3225-3234.	2.8	25
9	Block Copolymer Directed Nanostructured Surfaces as Templates for Confined Surface Reactions. Macromolecules, 2017, 50, 542-549.	2.2	18
10	Preparation of Macroscopic Blockâ€Copolymerâ€Based Gyroidal Mesoscale Single Crystals by Solvent Evaporation. Advanced Materials, 2019, 31, e1902565.	11.1	18
11	Quantitative Measure of the Size Dispersity in Ultrasmall Fluorescent Organicâ€“Inorganic Hybrid Coreâ€“Shell Silica Nanoparticles by Small-Angle X-ray Scattering. Chemistry of Materials, 2019, 31, 643-657.	3.2	18
12	Materials Combining Asymmetric Pore Structures with Well-Defined Mesoporosity for Energy Storage and Conversion. ACS Nano, 2020, 14, 16897-16906.	7.3	18
13	Ordered mesoporous crystalline aluminas from self-assembly of ABC triblock terpolymerâ€“butanolâ€“alumina sols. RSC Advances, 2015, 5, 49287-49294.	1.7	13
14	Discovering Synthesis Routes to Hexagonally Ordered Mesoporous Niobium Nitrides Using Poloxamer/Pluronics Block Copolymers. Chemistry of Materials, 2017, 29, 8973-8977.	3.2	12
15	Structurally Asymmetric Porous Carbon Materials with Ordered Top Surface Layers from Nonequilibrium Block Copolymer Self-Assembly. Macromolecules, 2021, 54, 2979-2991.	2.2	11
16	Superconducting Quantum Metamaterials from Convergence of Soft and Hard Condensed Matter Science. Advanced Materials, 2021, 33, e2006975.	11.1	9
17	Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates. Advanced Functional Materials, 2021, 31, 2100469.	7.8	7
18	Rapid Identification of Synthetic Routes to Functional Metastable Phases Using X-ray Probed Laser Anneal Mapping (XPLAM) Timeâ€“Temperature Quench Maps. Chemistry of Materials, 2021, 33, 4328-4336.	3.2	7

#	Article	IF	Citations
19	Nanopatterning of Crystalline Transition Metal Oxides by Surface Templated Nucleation on Block Copolymer Mesostructures. Crystal Growth and Design, 2017, 17, 5775-5782.	1.4	6
20	A NIST facility for resonant soft x-ray scattering measuring nano-scale soft matter structure at NSLS-II. Journal of Physics Condensed Matter, 2021, 33, 164001.	0.7	6
21	Quantification of interaction and topological parameters of polyisoprene star polymers under good solvent conditions. Physical Review E, 2016, 93, 052501.	0.8	4
22	Determination of the interaction parameter and topological scaling features of symmetric star polymers in dilute solution. Physical Review E, 2015, 92, 012602.	0.8	3
23	Iron and nitrogen-doped double gyroid mesoporous carbons for oxygen reduction in acidic environments. JPhys Energy, 2021, 3, 015001.	2.3	3
24	Orientation of Thin Polyamide Layer-by-Layer Films on Non-Porous Substrates. Macromolecules, 2021, 54, 11296-11303.	2.2	2
25	Superconducting Quantum Metamaterials: Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates (Adv. Funct. Mater. 23/2021). Advanced Functional Materials, 2021, 31, 2170166.	7.8	0
26	Mesoporous Superconductors: Superconducting Quantum Metamaterials from Convergence of Soft and Hard Condensed Matter Science (Adv. Mater. 26/2021). Advanced Materials, 2021, 33, 2170203.	11.1	0