

Peter A Beaucage

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Superconducting Quantum Metamaterials from High Pressure Melt Infiltration of Metals into Block Copolymer Double Gyroid Derived Ceramic Templates. <i>Advanced Functional Materials</i> , 2021, 31, 2100469.	7.8	7
2	A NIST facility for resonant soft x-ray scattering measuring nano-scale soft matter structure at NSLS-II. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 164001.	0.7	6
3	Structurally Asymmetric Porous Carbon Materials with Ordered Top Surface Layers from Nonequilibrium Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2021, 54, 2979-2991.	2.2	11
4	Superconducting Quantum Metamaterials from Convergence of Soft and Hard Condensed Matter Science. <i>Advanced Materials</i> , 2021, 33, e2006975.	11.1	9
5	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). <i>Advanced Functional Materials</i> , 2021, 31, 2170166.	7.8	0
6	Rapid Identification of Synthetic Routes to Functional Metastable Phases Using X-ray Probed Laser Anneal Mapping (XPLAM) Time-Resolved Temperature Quench Maps. <i>Chemistry of Materials</i> , 2021, 33, 4328-4336.	3.2	7
7	Mesoporous Superconductors: Superconducting Quantum Metamaterials from Convergence of Soft and Hard Condensed Matter Science (Adv. Mater. 26/2021). <i>Advanced Materials</i> , 2021, 33, 2170203.	11.1	0
8	Iron and nitrogen-doped double gyroid mesoporous carbons for oxygen reduction in acidic environments. <i>JPhys Energy</i> , 2021, 3, 015001.	2.3	3
9	Orientation of Thin Polyamide Layer-by-Layer Films on Non-Porous Substrates. <i>Macromolecules</i> , 2021, 54, 11296-11303.	2.2	2
10	Materials Combining Asymmetric Pore Structures with Well-Defined Mesoporosity for Energy Storage and Conversion. <i>ACS Nano</i> , 2020, 14, 16897-16906.	7.3	18
11	Preparation of Macroscopic Block Copolymer-Based Gyroidal Mesoscale Single Crystals by Solvent Evaporation. <i>Advanced Materials</i> , 2019, 31, e1902565.	11.1	18
12	Quantitative Measure of the Size Dispersity in Ultrasmall Fluorescent Organic-Inorganic Hybrid Core-Shell Silica Nanoparticles by Small-Angle X-ray Scattering. <i>Chemistry of Materials</i> , 2019, 31, 643-657.	3.2	18
13	A crystalline and 3D periodically ordered mesoporous quaternary semiconductor for photocatalytic hydrogen generation. <i>Nanoscale</i> , 2018, 10, 3225-3234.	2.8	25
14	Pathways to Mesoporous Resin/Carbon Thin Films with Alternating Gyroid Morphology. <i>ACS Nano</i> , 2018, 12, 347-358.	7.3	35
15	Colloidal Covalent Organic Frameworks. <i>ACS Central Science</i> , 2017, 3, 58-65.	5.3	216
16	Mesoporous titanium and niobium nitrides as conductive and stable electrocatalyst supports in acid environments. <i>Chemical Communications</i> , 2017, 53, 7250-7253.	2.2	34
17	Block Copolymer Directed Nanostructured Surfaces as Templates for Confined Surface Reactions. <i>Macromolecules</i> , 2017, 50, 542-549.	2.2	18
18	Nanopatterning of Crystalline Transition Metal Oxides by Surface Templated Nucleation on Block Copolymer Mesostructures. <i>Crystal Growth and Design</i> , 2017, 17, 5775-5782.	1.4	6

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19	Discovering Synthesis Routes to Hexagonally Ordered Mesoporous Niobium Nitrides Using Ploxamer/Pluronics Block Copolymers. <i>Chemistry of Materials</i> , 2017, 29, 8973-8977.	3.2	12
20	Dynamically Responsive Multifunctional Asymmetric Triblock Terpolymer Membranes with Intrinsic Binding Sites for Covalent Molecule Attachment. <i>Chemistry of Materials</i> , 2016, 28, 3870-3876.	3.2	38
21	Quantification of interaction and topological parameters of polyisoprene star polymers under good solvent conditions. <i>Physical Review E</i> , 2016, 93, 052501.	0.8	4
22	Discrete, Hexagonal Boronate Ester-Linked Macrocycles Related to Two-Dimensional Covalent Organic Frameworks. <i>Chemistry of Materials</i> , 2016, 28, 4884-4888.	3.2	29
23	Block copolymer self-assemblyâ€ directed synthesis of mesoporous gyroidal superconductors. <i>Science Advances</i> , 2016, 2, e1501119.	4.7	104
24	Self-Assembled Gyroidal Mesoporous Polymer-Derived High Temperature Ceramic Monoliths. <i>Chemistry of Materials</i> , 2016, 28, 2131-2137.	3.2	29
25	Determination of the interaction parameter and topological scaling features of symmetric star polymers in dilute solution. <i>Physical Review E</i> , 2015, 92, 012602.	0.8	3
26	Ordered mesoporous crystalline aluminas from self-assembly of ABC triblock terpolymerâ€butanolâ€alumina sols. <i>RSC Advances</i> , 2015, 5, 49287-49294.	1.7	13