

Gregory Scott

List of Publications by Year in descending order

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51
papers

1,626
citations

430874

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h-index

302126

39
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55
all docs

55
docs citations

55
times ranked

2874
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-variable porous nanomaterial series from polymer structure-directing agents. <i>Journal of Materials Research</i> , 2022, 37, 25-42.	2.6	5
2	Coordination of Quantum Dots in a Polar Solvent by Small-Molecule Imidazole Ligands. <i>Inorganic Chemistry</i> , 2022, 61, 10942-10949.	4.0	3
3	Pseudocapacitance: Nanostructure Dependence of $\text{Ta-Nb}_2\text{O}_5$ Intercalation Pseudocapacitance Probed Using Tunable Isomorphic Architectures (<i>Adv. Funct. Mater.</i> 1/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170005.	14.9	0
4	Tailored porous carbons enabled by persistent micelles with glassy cores. <i>Materials Advances</i> , 2021, 2, 5381-5395.	5.4	10
5	Effect of Membrane Properties on the Carbonation of Anion Exchange Membrane Fuel Cells. <i>Membranes</i> , 2021, 11, 102.	3.0	13
6	Reversible Molecular and Ionic Storage Mechanisms in High-Performance $\text{Zn}_{0.1}\text{V}_2\text{O}_5 \cdot \text{H}_2\text{O}$ Xerogel Cathode for Aqueous Zn-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 10678-10688.	14.6	68
7	Persistent Micelle Corona Chemistry Enables Constant Micelle Core Size with Independent Control of Functionality and Polyelectrolyte Response. <i>Langmuir</i> , 2021, 37, 9817-9825.	3.5	7
8	Mesoporous TiO_2 Microparticles with Tailored Surfaces, Pores, Walls, and Particle Dimensions Using Persistent Micelle Templates. <i>Langmuir</i> , 2021, 37, 12874-12886.	3.5	5
9	Surface-Initiated RAFT Polymerization of 2,3-Dimethyl-1,3-butadiene on Silica Nanoparticles for Matrix-Free Methyl Rubber Nanocomposites. <i>Journal of Polymer Science</i> , 2020, 58, 417-427.	3.8	3
10	Tunable Fluorophobic Effect Determines Nanoparticle Dispersion in Homopolymers and Block Polymers. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901691.	3.7	4
11	Growth of Crystalline Bimetallic Metal-Organic Framework Films via Transmetalation. <i>Langmuir</i> , 2020, 36, 9900-9908.	3.5	6
12	A High Performing Zn-Ion Battery Cathode Enabled by In Situ Transformation of V_2O_5 Atomic Layers. <i>Angewandte Chemie</i> , 2020, 132, 17152-17159.	2.0	33
13	Effects of Trace Water on Self-Assembly of Sulfonated Block Copolymers During Solution Processing. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4893-4901.	4.4	5
14	A High Performing Zn-Ion Battery Cathode Enabled by In Situ Transformation of V_2O_5 Atomic Layers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17004-17011.	13.8	158
15	Fluorophobic Effect: Tunable Fluorophobic Effect Determines Nanoparticle Dispersion in Homopolymers and Block Polymers (<i>Adv. Mater. Interfaces</i> 5/2020). <i>Advanced Materials Interfaces</i> , 2020, 7, 2070025.	3.7	0
16	A Dual Threat: Redox Activity and Electronic Structures of Well-Defined Donor-Acceptor Fullerene-Covalent Organic Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6000-6006.	13.8	20
17	Supramolecular Assembly of Oriented Spherulitic Crystals of Conjugated Polymers Surrounding Carbon Nanotube Fibers. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900098.	3.9	8
18	Widely tunable persistent micelle templates via homopolymer swelling. <i>Soft Matter</i> , 2019, 15, 5193-5203.	2.7	19

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19	Atomic Layer Deposition of Space-Efficient SnO ₂ Underlayers for BiVO ₄ Host-Guest Architectures for Photoassisted Water Splitting. <i>ChemSusChem</i> , 2019, 12, 1770-1770.	6.8	1
20	Full Gamut Wall Tunability from Persistent Micelle Templates via Ex Situ Hydrolysis. <i>Small</i> , 2019, 15, e1900393.	10.0	15
21	Atomic Layer Deposition of Space-Efficient SnO ₂ Underlayers for BiVO ₄ Host-Guest Architectures for Photoassisted Water Splitting. <i>ChemSusChem</i> , 2019, 12, 1916-1924.	6.8	10
22	Extended LaMer Synthesis of Cobalt-Doped Ferrite. <i>IEEE Magnetics Letters</i> , 2018, 9, 1-5.	1.1	6
23	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. <i>Nature Nanotechnology</i> , 2018, 13, 456-462.	31.5	252
24	Expanded Kinetic Control for Persistent Micelle Templates with Solvent Selection. <i>Langmuir</i> , 2018, 34, 5738-5749.	3.5	18
25	Emerging Postsynthetic Improvements of BiVO ₄ Photoanodes for Solar Water Splitting. <i>ACS Energy Letters</i> , 2018, 3, 112-124.	17.4	97
26	Ring-Banded Spherulitic Crystals of Poly(3-butylthiophene) via Controlled Solvent Evaporation. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800204.	2.2	9
27	Cavitation Enables Switchable and Rapid Block Polymer Exchange under High- $\dot{\gamma}$ Conditions. <i>Macromolecules</i> , 2018, 51, 6967-6975.	4.8	10
28	Ordered Nanostructures of Carbon Nanotube-Polymer Composites from Lyotropic Liquid Crystal Templating. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800197.	2.2	9
29	Deciphering magnesium stearate thermotropic behavior. <i>International Journal of Pharmaceutics</i> , 2018, 548, 314-324.	5.2	15
30	Multi-Scale Assembly of Polythiophene-Surfactant Supramolecular Complexes for Charge Transport Anisotropy. <i>Macromolecules</i> , 2017, 50, 1047-1055.	4.8	18
31	Effect of Nanodiamond (ND) Surface Functionalization on the Properties of ND/PEEK Composites. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017, , 1-13.	2.5	5
32	Robust porous polymers enabled by a fast trifluoroacetic acid etch with improved selectivity for polylactide. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1526-1533.	5.9	9
33	How to make persistent micelle templates in 24 hours and know it using X-ray scattering. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11840-11853.	10.3	26
34	Cavitation-enabled rapid and tunable evolution of high- $\dot{\gamma}$ micelles as templates for ordered mesoporous oxides. <i>Nanoscale</i> , 2017, 9, 1393-1397.	5.6	15
35	Hydrogen-Bonding-Directed Ordered Assembly of Carboxylated Poly(3-Alkylthiophene)s. <i>ACS Omega</i> , 2017, 2, 8526-8535.	3.5	19
36	Atomic Layer Deposition of Bismuth Vanadates for Solar Energy Materials. <i>ChemSusChem</i> , 2016, 9, 1727-1735.	6.8	17

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37	Nanostructured Antimony-Doped Tin Oxide Layers with Tunable Pore Architectures as Versatile Transparent Current Collectors for Biophotovoltaics. <i>Advanced Functional Materials</i> , 2016, 26, 6682-6692.	14.9	28
38	Ordered Mesoporous to Macroporous Oxides with Tunable Isomorphic Architectures: Solution Criteria for Persistent Micelle Templates. <i>Chemistry of Materials</i> , 2016, 28, 1653-1667.	6.7	57
39	Controlling the coassembly of highly amphiphilic block copolymers with a hydrolytic sol by solvent exchange. <i>RSC Advances</i> , 2015, 5, 22499-22502.	3.6	4
40	Block copolymer self-assembly for nanophotonics. <i>Chemical Society Reviews</i> , 2015, 44, 5076-5091.	38.1	328
41	Ordered mesoporous titania from highly amphiphilic block copolymers: tuned solution conditions enable highly ordered morphologies and ultra-large mesopores. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11478-11492.	10.3	35
42	Sustainable thermoplastic elastomers derived from plant oil and their "click-coupling" via TAD chemistry. <i>Green Chemistry</i> , 2015, 17, 3806-3818.	9.0	79
43	High-Surface-Area Porous Platinum Electrodes for Enhanced Charge Transfer. <i>Advanced Energy Materials</i> , 2014, 4, 1400510.	19.5	26
44	Improved Nonaqueous Synthesis of TiO_2 for Dye-Sensitized Solar Cells. <i>ACS Nano</i> , 2013, 7, 8981-8989.	14.6	52
45	Better biomolecule thermodynamics from kinetics. <i>Journal of Chemical Physics</i> , 2011, 135, 015102.	3.0	27
46	Solving the low dimensional Smoluchowski equation with a singular value basis set. <i>Journal of Computational Chemistry</i> , 2010, 31, 2428-2433.	3.3	4
47	Direct Visualization of Two-State Dynamics on Metallic Glass Surfaces Well Below T_g . <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1941-1945.	4.6	42
48	A natural missing link between activated and downhill protein folding scenarios. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3542.	2.8	4
49	Direct Imaging of Room Temperature Optical Absorption with Subnanometer Spatial Resolution. <i>Nano Letters</i> , 2010, 10, 4897-4900.	9.1	14
50	Amorphization of Pseudocapacitive $\text{Ta}^{\text{N}}\text{Nb}_2\text{O}_5$ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures. <i>Batteries and Supercaps</i> , 0, , .	4.7	3
51	Faster Intercalation Pseudocapacitance Enabled by Adjustable Amorphous Titania where Tunable Isomorphic Architectures Reveal Accelerated Lithium Diffusivity. <i>Batteries and Supercaps</i> , 0, , .	4.7	4