Morgan M Stefik

List of Publications by Year
in descending order

71	3,682	185998 28	128067 60
papers	citations	h-index	g-index

73	73	73	5593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-variable porous nanomaterial series from polymer structure-directing agents. Journal of Materials Research, 2022, 37, 25-42.	1.2	5
2	Cover Feature: Amorphization of Pseudocapacitive Tâ^'Nb₂O₅ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures (Batteries & Supercaps) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	1
3	Understanding Rapid Intercalation Materials One Parameter at a Time. Advanced Functional Materials, 2022, 32, .	7.8	10
4	Cover Feature: Faster Intercalation Pseudocapacitance Enabled by Adjustable Amorphous Titania Where Tunable Isomorphic Architectures Reveal Accelerated Lithium Diffusivity (Batteries &) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.4	0
5	Nanostructure Dependence of Tâ€Nb₂O₅ Intercalation Pseudocapacitance Probed Using Tunable Isomorphic Architectures. Advanced Functional Materials, 2021, 31, .	7.8	24
6	Tailored porous carbons enabled by persistent micelles with glassy cores. Materials Advances, 2021, 2, 5381-5395.	2.6	10
7	Effect of Membrane Properties on the Carbonation of Anion Exchange Membrane Fuel Cells. Membranes, 2021, 11, 102.	1.4	13
8	Persistent Micelle Corona Chemistry Enables Constant Micelle Core Size with Independent Control of Functionality and Polyelectrolyte Response. Langmuir, 2021, 37, 9817-9825.	1.6	7
9	Mesoporous TiO₂ Microparticles with Tailored Surfaces, Pores, Walls, and Particle Dimensions Using Persistent Micelle Templates. Langmuir, 2021, 37, 12874-12886.	1.6	5
10	Surfaceâ€Initiated RAFT Polymerization of 2,3â€Dimethylâ€1,3â€butadiene on Silica Nanoparticles for Matrixâ€free Methyl Rubber Nanocomposites. Journal of Polymer Science, 2020, 58, 417-427.	2.0	3
11	Tunable Fluorophobic Effect Determines Nanoparticle Dispersion in Homopolymers and Block Polymers. Advanced Materials Interfaces, 2020, 7, 1901691.	1.9	4
12	Frontiers in hybrid and interfacial materials chemistry research. MRS Bulletin, 2020, 45, 951-964.	1.7	6
13	Effects of Trace Water on Self-Assembly of Sulfonated Block Copolymers During Solution Processing. ACS Applied Polymer Materials, 2020, 2, 4893-4901.	2.0	5
14	A Dual Threat: Redoxâ€Activity and Electronic Structures of Wellâ€Defined Donorâ€“Acceptor Fulleretic Covalentâ€Organic Materials. Angewandte Chemie, 2020, 132, 6056-6062.	1.6	8
15	A Dual Threat: Redoxâ€Activity and Electronic Structures of Wellâ€Defined Donorâ€“Acceptor Fulleretic Covalentâ€Organic Materials. Angewandte Chemie - International Edition, 2020, 59, 6000-6006.	7.2	20
16	Supramolecular Assembly of Oriented Spherulitic Crystals of Conjugated Polymers Surrounding Carbon Nanotube Fibers. Macromolecular Rapid Communications, 2019, 40, 1900098.	2.0	8
17	Widely tunable persistent micelle templates via homopolymer swelling. Soft Matter, 2019, 15, 5193-5203.	1.2	19
18	Surface Reconstruction Limited Conductivity in Blockâ€Copolymer Li Battery Electrolytes. Advanced Functional Materials, 2019, 29, 1905977.	7.8	26

#	Article	IF	Citations
19	Atomic Layer Deposition of Spaceâ€Efficient SnO 2 Underlayers for BiVO 4 Hostâ€“Guest Architectures for Photoassisted Water Splitting. ChemSusChem, 2019, 12, 1770-1770.	3.6	1
20	Full Gamut Wall Tunability from Persistent Micelle Templates via Ex Situ Hydrolysis. Small, 2019, 15, e1900393.	5.2	15
21	Atomic Layer Deposition of Spaceâ€Efficient SnO 2 Underlayers for BiVO 4 Hostâ€“Guest Architectures for Photoassisted Water Splitting. ChemSusChem, 2019, 12, 1916-1924.	3.6	10
22	Expanded Kinetic Control for Persistent Micelle Templates with Solvent Selection. Langmuir, 2018, 34, 5738-5749.	1.6	18
23	Surface-initiated reversible addition-fragmentation chain transfer polymerization of chloroprene and mechanical properties of matrix-free polychloroprene nanocomposites. Polymer, 2018, 135, 193-199.	1.8	14
24	Emerging Postsynthetic Improvements of BiVO₄ Photoanodes for Solar Water Splitting. ACS Energy Letters, 2018, 3, 112-124.	8.8	97
25	QCM detection of moleculeâ€“nanoparticle interactions for ligand shells of varying morphology. Nanoscale, 2018, 10, 19107-19116.	2.8	10
26	Controlling Selfâ€Assembly in Gyroid Terpolymer Films By Solvent Vapor Annealing. Small, 2018, 14, e1802401.	5.2	21
27	Ringâ€Banded Spherulitic Crystals of Poly(3â€butylthiophene) via Controlled Solvent Evaporation. Macromolecular Chemistry and Physics, 2018, 219, 1800204.	1.1	9
28	Cavitation Enables Switchable and Rapid Block Polymer Exchange under High-Ï‡N Conditions. Macromolecules, 2018, 51, 6967-6975.	2.2	10
29	Ordered Nanostructures of Carbon Nanotubeâ€“Polymer Composites from Lyotropic Liquid Crystal Templating. Macromolecular Chemistry and Physics, 2018, 219, 1800197.	1.1	9
30	Multi-Scale Assembly of Polythiophene-Surfactant Supramolecular Complexes for Charge Transport Anisotropy. Macromolecules, 2017, 50, 1047-1055.	2.2	18
31	Robust porous polymers enabled by a fast trifluoroacetic acid etch with improved selectivity for polylactide. Materials Chemistry Frontiers, 2017, 1, 1526-1533.	3.2	9
32	Surface functionalized atomic layer deposition of bismuth vanadate for single-phase scheelite. Journal of Materials Chemistry A, 2017, 5, 6060-6069.	5.2	9
33	How to make persistent micelle templates in 24 hours and know it using X-ray scattering. Journal of Materials Chemistry A, 2017, 5, 11840-11853.	5.2	26
34	Matrix-Free Polymer Nanocomposite Thermoplastic Elastomers. Macromolecules, 2017, 50, 4742-4753.	2.2	40
35	Cavitation-enabled rapid and tunable evolution of high-Ï‡N micelles as templates for ordered mesoporous oxides. Nanoscale, 2017, 9, 1393-1397.	2.8	15
36	Hydrogen-Bonding-Directed Ordered Assembly of Carboxylated Poly(3-Alkylthiophene)s. ACS Omega, 2017, 2, 8526-8535.	1.6	19

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37	Atomic Layer Deposition of Bismuth Vanadates for Solar Energy Materials. ChemSusChem, 2016, 9, 1727-1735.	3.6	17
38	Nanostructured Antimonyâ€Doped Tin Oxide Layers with Tunable Pore Architectures as Versatile Transparent Current Collectors for Biophotovoltaics. Advanced Functional Materials, 2016, 26, 6682-6692.	7.8	28
39	Ordered Mesoporous to Macroporous Oxides with Tunable Isomorphic Architectures: Solution Criteria for Persistent Micelle Templates. Chemistry of Materials, 2016, 28, 1653-1667.	3.2	57
40	Controlling the coassembly of highly amphiphilic block copolymers with a hydrolytic sol by solvent exchange. RSC Advances, 2015, 5, 22499-22502.	1.7	4
41	Block copolymer self-assembly for nanophotonics. Chemical Society Reviews, 2015, 44, 5076-5091.	18.7	328
42	Ordered mesoporous titania from highly amphiphilic block copolymers: tuned solution conditions enable highly ordered morphologies and ultra-large mesopores. Journal of Materials Chemistry A, 2015, 3, 11478-11492.	5.2	35
43	A high transmission wave-guide wire network made by self-assembly. Nanoscale, 2015, 7, 1032-1036.	2.8	13
44	On the stability enhancement of cuprous oxide water splitting photocathodes by low temperature steam annealing. Energy and Environmental Science, 2014, 7, 4044-4052.	15.6	121
45	Ruthenium Oxide Hydrogen Evolution Catalysis on Composite Cuprous Oxide Waterâ€Splitting Photocathodes. Advanced Functional Materials, 2014, 24, 303-311.	7.8	253
46	Ultrafast Nonlinear Response of Gold Gyroid Three-Dimensional Metamaterials. Physical Review Applied, 2014, 2, .	1.5	37
47	Highâ€Surfaceâ€Area Porous Platinum Electrodes for Enhanced Charge Transfer. Advanced Energy Materials, 2014, 4, 1400510.	10.2	26
48	Tunable 3D Extended Selfâ€Assembled Gold Metamaterials with Enhanced Light Transmission. Advanced Materials, 2013, 25, 2713-2716.	11.1	80
49	Low temperature crystallisation of mesoporous TiO2. Nanoscale, 2013, 5, 10518.	2.8	19
50	Self-Cleaning Antireflective Optical Coatings. Nano Letters, 2013, 13, 5329-5335.	4.5	155
51	Improved Nonaqueous Synthesis of TiO₂ for Dye-Sensitized Solar Cells. ACS Nano, 2013, 7, 8981-8989.	7.3	52
52	Low-Temperature Crystalline Titanium Dioxide by Atomic Layer Deposition for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 3487-3493.	4.0	70
53	Transparent, Conducting Nb:SnO₂ for Hostâ€“Guest Photoelectrochemistry. Nano Letters, 2012, 12, 5431-5435.	4.5	122
54	Networked and chiral nanocomposites from ABC triblock terpolymer coassembly with transition metal oxide nanoparticles. Journal of Materials Chemistry, 2012, 22, 1078-1087.	6.7	58

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55	Ultrathin films on copper(i) oxide water splitting photocathodes: a study on performance and stability. Energy and Environmental Science, 2012, 5, 8673.	15.6	401
56	Layerâ€byâ€Layer Formation of Blockâ€Copolymerâ€Derived TiO₂ for Solidâ€State Dyeâ€Sensitized Solar Cells. Small, 2012, 8, 432-440.	5.2	35
57	General Method for the Synthesis of Hierarchical Nanocrystal-Based Mesoporous Materials. ACS Nano, 2012, 6, 6386-6399.	7.3	85
58	Enhancement in the Performance of Ultrathin Hematite Photoanode for Water Splitting by an Oxide Underlayer. Advanced Materials, 2012, 24, 2699-2702.	11.1	271
59	Triblockâ€Terpolymerâ€Directed Selfâ€Assembly of Mesoporous TiO₂: Highâ€Performance Photoanodes for Solidâ€State Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2012, 2, 676-682.	10.2	58
60	A 3D Optical Metamaterial Made by Selfâ€Assembly. Advanced Materials, 2012, 24, OP23-7.	11.1	288
61	Improved conductivity in dye-sensitised solar cells through block-copolymer confined TiO₂crystallisation. Energy and Environmental Science, 2011, 4, 225-233.	15.6	88
62	Tunable Mesoporous Bragg Reflectors Based on Blockâ€Copolymer Selfâ€Assembly. Advanced Materials, 2011, 23, 3664-3668.	11.1	88
63	Mesoporous Bragg reflectors: block-copolymer self-assembly leads to building blocks with well defined continuous pores and high control over optical properties. , 2011, , .		2
64	Self-assembly as a design tool for the integration of photonic structures into excitonic solar cells. Proceedings of SPIE, 2011, , .	0.8	3
65	Control of Solidâ€State Dyeâ€Sensitized Solar Cell Performance by Blockâ€Copolymerâ€Directed TiO₂ Synthesis. Advanced Functional Materials, 2010, 20, 1787-1796.	7.8	131
66	Enhanced photocatalytic properties in well-ordered mesoporous WO3. Chemical Communications, 2010, 46, 7620.	2.2	98
67	Ordered Three- and Five-ply Nanocomposites from ABC Block Terpolymer Microphase Separation with Niobia and Aluminosilicate Sols. Chemistry of Materials, 2009, 21, 5466-5473.	3.2	64
68	Three-Component Porousâ^'Carbonâ^'Titania Nanocomposites through Self-Assembly of ABCBA Block Terpolymers with Titania Sols. Macromolecules, 2009, 42, 6682-6687.	2.2	31
69	Nanostructured carbonâ€“crystalline titania composites from microphase separation of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	32
70	Amorphization of Pseudocapacitive Tâ^'Nb ₂ O ₅ Accelerates Lithium Diffusivity as Revealed Using Tunable Isomorphic Architectures. Batteries and Supercaps, 0, , .	2.4	3
71	Faster Intercalation Pseudocapacitance Enabled by Adjustable Amorphous Titania where Tunable Isomorphic Architectures Reveal Accelerated Lithium Diffusivity. Batteries and Supercaps, 0, , .	2.4	4