

Michael A Morris

List of Publications by Year in descending order

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papers

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23567

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338
all docs

338
docs citations

338
times ranked

14858
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Nanosilicas for Monoaromatic Hydrocarbons Removal from Air. Silicon, 2022, 14, 1447-1454.	3.3	5
2	Mechanism of liquid-phase metal infiltration into pyridine-containing polymeric thin films. Materials Letters, 2022, 313, 131682.	2.6	6
3	Rapid area deactivation for blocking atomic layer deposition processes using polystyrene brush layers. Journal of Materials Chemistry C, 2022, 10, 7476-7484.	5.5	1
4	Room Temperature Fabrication of Macroporous Lignin Membranes for the Scalable Production of Black Silicon. Biomacromolecules, 2022, 23, 2512-2521.	5.4	3
5	Fabrication of Dimensional and Structural Controlled Open Pore, Mesoporous Silica Topographies on a Substrate. Nanomaterials, 2022, 12, 2223.	4.1	3
6	Optimization and Control of Large Block Copolymer Self-Assembly via Precision Solvent Vapor Annealing. Macromolecules, 2021, 54, 1203-1215.	4.8	22
7	Large-Area Fabrication of Vertical Silicon Nanotube Arrays <i>via</i> Toroidal Micelle Self-Assembly. Langmuir, 2021, 37, 1932-1940.	3.5	6
8	Structural Evolution of Nanophase Separated Block Copolymer Patterns in Supercritical CO ₂ . Nanomaterials, 2021, 11, 669.	4.1	2
9	Hydroxylation methods for mesoporous silica and their impact on surface functionalisation. Microporous and Mesoporous Materials, 2021, 317, 110989.	4.4	15
10	Green Nanofabrication Opportunities in the Semiconductor Industry: A Life Cycle Perspective. Nanomaterials, 2021, 11, 1085.	4.1	37
11	Fabrication of Graphoepitaxial Gate-All-Around Si Circuitry Patterned Nanowire Arrays Using Block Copolymer Assisted Hard Mask Approach. ACS Nano, 2021, 15, 9550-9558.	14.6	5
12	Size controlled fabrication of ordered monodispersed iron, cobalt and cobalt iron composite oxides nanoparticles arrays: A common block copolymer methodology. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115142.	3.5	5
13	Observation of ordered microphase separation of block copolymer micellar thin films under argon-plasma radiation. Applied Surface Science, 2021, 561, 149800.	6.1	2
14	Analysing trimethylaluminum infiltration into polymer brushes using a scalable area selective vapor phase process. Materials Advances, 2021, 2, 769-781.	5.4	13
15	The Use of Porous Silica Particles as Carriers for a Smart Delivery of Antimicrobial Essential Oils in Food Applications. ACS Omega, 2021, 6, 30376-30385.	3.5	11
16	Defining Swelling Kinetics in Block Copolymer Thin Films: The Critical Role of Temperature and Vapour Pressure Ramp. Polymers, 2021, 13, 4238.	4.5	0
17	Sub-25 nm Inorganic and Dielectric Nanopattern Arrays on Substrates: A Block Copolymer-Assisted Lithography. ACS Omega, 2021, 6, 35738-35744.	3.5	4
18	Antimicrobial effect of benzoic and sorbic acid salts and nano-solubilisates against Staphylococcus aureus, Pseudomonas fluorescens and chicken microbiota biofilms. Food Control, 2020, 107, 106786.	5.5	29

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19	Characterization of electron beam deposited Nb ₂ O ₅ coatings for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 103, 103582.	3.1	22
20	Precise Definition of a “Monolayer Point” in Polymer Brush Films for Fabricating Highly Coherent TiO ₂ Thin Films by Vapor-Phase Infiltration. Langmuir, 2020, 36, 12394-12402.	3.5	13
21	Enabling future nanomanufacturing through block copolymer self-assembly: A review. Nano Today, 2020, 35, 100936.	11.9	134
22	A conceptual change in crystallisation mechanisms of oxide materials from solutions in closed systems. Scientific Reports, 2020, 10, 18414.	3.3	2
23	A novel method to deliver natural antimicrobial coating materials to extend the shelf-life of European hake (Merluccius merluccius) fillets. Food Packaging and Shelf Life, 2020, 25, 100522.	7.5	5
24	A cubane-type manganese complex with H ₂ O oxidation capabilities. Sustainable Energy and Fuels, 2020, 4, 4464-4468.	4.9	6
25	One Dimensional AuAg Nanostructures as Anodic Catalysts in the Ethylene Glycol Oxidation. Nanomaterials, 2020, 10, 719.	4.1	9
26	Surface characterization of poly-2-vinylpyridine “A polymer for area selective deposition techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, 050601.	2.1	7
27	A Novel Electrochemical Sensor Based on Metal Ion Infiltrated Block Copolymer Thin Films for Sensitive and Selective Determination of Dopamine. ACS Applied Nano Materials, 2019, 2, 7311-7318.	5.0	34
28	Optimizing Polymer Brush Coverage To Develop Highly Coherent Sub-5 nm Oxide Films by Ion Inclusion. Chemistry of Materials, 2019, 31, 9338-9345.	6.7	20
29	Nanosize and Shape Effects on Antimicrobial Activity of Silver Using Morphology-Controlled Nanopatterns by Block Copolymer Fabrication. ACS Applied Nano Materials, 2019, 2, 6325-6333.	5.0	5
30	Solvent mediated inclusion of metal oxide into block copolymer nanopatterns: Mechanism of oxide formation under UV-Ozone treatment. Polymer, 2019, 173, 197-204.	3.8	12
31	Using block copolymers as infiltration sites for development of future nanoelectronic devices: Achievements, barriers, and opportunities. Microelectronic Engineering, 2018, 195, 74-85.	2.4	39
32	Morphology evolution of PS- b -PDMS block copolymer and its hierarchical directed self-assembly on block copolymer templates. Microelectronic Engineering, 2018, 192, 1-7.	2.4	12
33	Migration assessment of silver from nanosilver spray coated low density polyethylene or polyester films into milk. Food Packaging and Shelf Life, 2018, 15, 144-150.	7.5	19
34	Electrochemical Sensing of Hydrogen Peroxide Using Block Copolymer Templated Iron Oxide Nanopatterns. Analytical Chemistry, 2018, 90, 1122-1128.	6.5	41
35	Etchless transition metal dichalcogenide surface nanostructure definition using block copolymer templates. , 2018, , .		0
36	Highly Ordered Titanium Dioxide Nanostructures via a Simple One-Step Vapor-Inclusion Method in Block Copolymer Films. ACS Applied Nano Materials, 2018, 1, 3426-3434.	5.0	16

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37	Food Packaging: Surface Engineering and Commercialization. , 2018, , 301-328.		3
38	Natural Antimicrobial Materials for Use in Food Packaging. , 2018, , 181-233.		2
39	Fabrication of Si and Ge nanoarrays through graphoeptaxial directed hardmask block copolymer self-assembly. Journal of Colloid and Interface Science, 2018, 531, 533-543.	9.4	1
40	Spray coating application for the development of nanocoated antimicrobial low-density polyethylene films to increase the shelf life of chicken breast fillets. Food Science and Technology International, 2018, 24, 688-698.	2.2	11
41	Nanopatterning via Self-Assembly of a Lamellar-Forming Polystyrene-block-Poly(dimethylsiloxane) Diblock Copolymer on Topographical Substrates Fabricated by Nanoimprint Lithography. Nanomaterials, 2018, 8, 32.	4.1	19
42	Synthesis of monodisperse chitosan nanoparticles. Food Hydrocolloids, 2018, 83, 355-364.	10.7	73
43	Development of Ordered, Porous (Sub-25 nm Dimensions) Surface Membrane Structures Using a Block Copolymer Approach. Scientific Reports, 2018, 8, 7252.	3.3	11
44	Enabling Large-Area Selective Deposition on Metal-Dielectric Patterns using Polymer Brush Deactivation. Journal of Physical Chemistry C, 2018, 122, 14698-14705.	3.1	19
45	Controlled solvent vapor annealing of a high χ block copolymer thin film. Physical Chemistry Chemical Physics, 2017, 19, 2805-2815.	2.8	48
46	Development of active, nanoparticle, antimicrobial technologies for muscle-based packaging applications. Meat Science, 2017, 132, 163-178.	5.5	29
47	Photocatalytic air-purification: a low-cost, real-time gas detection method. Analytical Methods, 2017, 9, 170-175.	2.7	0
48	Large Block Copolymer Self-Assembly for Fabrication of Subwavelength Nanostructures for Applications in Optics. Nano Letters, 2017, 17, 2973-2978.	9.1	72
49	Nanoscale silicon substrate patterns from self-assembly of cylinder forming poly(styrene)- <i>block</i> -poly(dimethylsiloxane) block copolymer on silane functionalized surfaces. Nanotechnology, 2017, 28, 044001.	2.6	4
50	Area Selective Polymer Brush Deposition. Macromolecular Rapid Communications, 2017, 38, 1700252.	3.9	17
51	Self-Assembled Nanofeatures in Complex Three-Dimensional Topographies via Nanoimprint and Block Copolymer Lithography Methods. ACS Omega, 2017, 2, 4417-4423.	3.5	5
52	Kinetic desorption models for the release of nanosilver from an experimental nanosilver coating on polystyrene food packaging. Innovative Food Science and Emerging Technologies, 2017, 44, 149-158.	5.6	23
53	Synthesis and stability of IR-820 and FITC doped silica nanoparticles. Journal of Colloid and Interface Science, 2017, 490, 294-302.	9.4	7
54	Creating Active Device Materials for Nanoelectronics Using Block Copolymer Lithography. Nanomaterials, 2017, 7, 304.	4.1	25

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55	Assessment of the migration potential of nanosilver from nanoparticle-coated low-density polyethylene food packaging into food simulants. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2016, 33, 1-12.	2.3	18
56	Human exposure assessment of silver and copper migrating from an antimicrobial nanocoated packaging material into an acidic food simulant. Food and Chemical Toxicology, 2016, 95, 128-136.	3.6	26
57	Morphological evolution of lamellar forming polystyrene-block-poly(4-vinylpyridine) copolymers under solvent annealing. Soft Matter, 2016, 12, 5429-5437.	2.7	19
58	Development of a facile block copolymer method for creating hard mask patterns integrated into semiconductor manufacturing. Nano Research, 2016, 9, 3116-3128.	10.4	9
59	Mechanical properties and biocompatibility of the sputtered Ti doped hydroxyapatite. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 63, 314-325.	3.1	59
60	Nanoporous membrane production via block copolymer lithography for high heat dissipation systems. , 2016, , .		5
61	In-depth TEM characterization of block copolymer pattern transfer at germanium surfaces. Nanotechnology, 2016, 27, 484003.	2.6	4
62	Non-equilibrium induction of tin in germanium: towards direct bandgap Ge _{1-x} Sn _x nanowires. Nature Communications, 2016, 7, 11405.	12.8	100
63	The Potential Application of Antimicrobial Silver Polyvinyl Chloride Nanocomposite Films to Extend the Shelf-Life of Chicken Breast Fillets. Food and Bioprocess Technology, 2016, 9, 1661-1673.	4.7	58
64	Strategies for Inorganic Incorporation using Neat Block Copolymer Thin Films for Etch Mask Function and Nanotechnological Application. Advanced Materials, 2016, 28, 5586-5618.	21.0	135
65	Fabrication of MoS ₂ Nanowire Arrays and Layered Structures via the Self-Assembly of Block Copolymers. Advanced Materials Interfaces, 2016, 3, 1500596.	3.7	23
66	Solvothermal Vapor Annealing of Lamellar Poly(styrene)- <i>block</i> -poly(<i>d,l</i> -lactide) Block Copolymer Thin Films for Directed Self-Assembly Application. ACS Applied Materials & Interfaces, 2016, 8, 8295-8304.	8.0	29
67	Fabrication of ultra-dense sub-10 nm in-plane Si nanowire arrays by using a novel block copolymer method: optical properties. Nanoscale, 2016, 8, 2177-2187.	5.6	16
68	The potential use of a layer-by-layer strategy to develop LDPE antimicrobial films coated with silver nanoparticles for packaging applications. Journal of Colloid and Interface Science, 2016, 461, 239-248.	9.4	69
69	Characteristics, interactions and coating adherence of heterogeneous polymer/drug coatings for biomedical devices. Materials Science and Engineering C, 2016, 59, 102-108.	7.3	15
70	Silver Nanopatterned Surfaces by Block Copolymer Inclusion and Biomineralization. Advanced Science, Engineering and Medicine, 2016, 8, 841-848.	0.3	1
71	High quality sub-10 nm graphene nanoribbons by on-chip PS-b-PDMS block copolymer lithography. RSC Advances, 2015, 5, 66711-66717.	3.6	22
72	A Highly Efficient Sensor Platform Using Simply Manufactured Nanodot Patterned Substrates. Scientific Reports, 2015, 5, 13270.	3.3	12

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73	Dimensional and defectivity nanometrology of directed self-assembly patterns. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 267-270.	0.8	3
74	Microphase Separation of a PS- <i>b</i> -PFS Block Copolymer via Solvent Annealing: Effect of Solvent, Substrate, and Exposure Time on Morphology. <i>International Journal of Polymer Science</i> , 2015, 2015, 1-10.	2.7	0
75	Combination of high-pressure treatment, mild heating and holding time effects as a means of improving the barrier properties of gelatin-based packaging films using response surface modeling. <i>Innovative Food Science and Emerging Technologies</i> , 2015, 30, 15-23.	5.6	37
76	A facile route to synthesis of S-doped TiO ₂ nanoparticles for photocatalytic activity. <i>Journal of Molecular Catalysis A</i> , 2015, 406, 51-57.	4.8	96
77	Block Co-Polymers for Nanolithography: Rapid Microwave Annealing for Pattern Formation on Substrates. <i>Polymers</i> , 2015, 7, 592-609.	4.5	3
78	The development and advantages of helium ion microscopy for the study of block copolymer nanopatterns. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
79	Solvent Vapor Annealing of Block Copolymers in Confined Topographies: Commensurability Considerations for Nanolithography. <i>Macromolecular Rapid Communications</i> , 2015, 36, 762-767.	3.9	18
80	Nanophase separation and structural evolution of block copolymer films: A "green" and "clean" supercritical fluid approach. <i>Nano Research</i> , 2015, 8, 1279-1292.	10.4	4
81	Advances and challenges for the use of engineered nanoparticles in food contact materials. <i>Trends in Food Science and Technology</i> , 2015, 43, 43-62.	15.1	118
82	Aligned silicon nanofins via the directed self-assembly of PS- <i>b</i> -P4VP block copolymer and metal oxide enhanced pattern transfer. <i>Nanoscale</i> , 2015, 7, 6712-6721.	5.6	47
83	Linking Precursor Alterations to Nanoscale Structure and Optical Transparency in Polymer Assisted Fast-Rate Dip-Coating of Vanadium Oxide Thin Films. <i>Scientific Reports</i> , 2015, 5, 11574.	3.3	15
84	Diameter-Controlled Germanium Nanowires with Lamellar Twinning and Polytypes. <i>Chemistry of Materials</i> , 2015, 27, 3408-3416.	6.7	19
85	A vertical lamellae arrangement of sub-16 nm pitch (domain spacing) in a microphase separated PS- <i>b</i> -PEO thin film by salt addition. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7216-7227.	5.5	14
86	Organo-arsenic Molecular Layers on Silicon for High-Density Doping. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15514-15521.	8.0	38
87	Soft Graphoepitaxy for Large Area Directed Self-Assembly of Polystyrene- <i>b</i> -Poly(dimethylsiloxane) Block Copolymer on Nanopatterned POSS Substrates Fabricated by Nanoimprint Lithography. <i>Advanced Functional Materials</i> , 2015, 25, 3425-3432.	14.9	20
88	Reduction and control of domain spacing by additive inclusion: Morphology and orientation effects of glycols on microphase separated PS- <i>b</i> -PEO. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 141-150.	9.4	0
89	Nanoscale neuroelectrode modification via sub-20 nm silicon nanowires through self-assembly of block copolymers. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 120.	3.6	5
90	Nanosize effect in Germanium Nanowire Growth with Binary Metal Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1751, 13.	0.1	0

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91	Effects of a combination of antimicrobial silver low density polyethylene nanocomposite films and modified atmosphere packaging on the shelf life of chicken breast fillets. Food Packaging and Shelf Life, 2015, 4, 26-35.	7.5	100
92	Parallel Arrays of Sub-10 nm Aligned Germanium Nanofins from an In Situ Metal Oxide Hardmask using Directed Self-Assembly of Block Copolymers. Chemistry of Materials, 2015, 27, 6091-6096.	6.7	23
93	Mapping self-assembled dots and line arrays by image analysis for quantification of defect density and alignment. Proceedings of SPIE, 2015, , .	0.8	0
94	Directed self-assembly of block copolymers for nanocircuitry fabrication. Microelectronic Engineering, 2015, 132, 207-217.	2.4	103
95	Application of silver nanodots for potential use in antimicrobial packaging applications. Innovative Food Science and Emerging Technologies, 2015, 27, 136-143.	5.6	41
96	In-situ Observations of Nanoscale Effects in Germanium Nanowire Growth with Ternary Eutectic Alloys. Small, 2015, 11, 103-111.	10.0	10
97	Electrochemical Fabrication of Multi-Nanolayers. , 2015, , 1-27.		0
98	Electrochemical Fabrication of Multi-Nanolayers. , 2015, , 1-27.		0
99	Order quantification of hexagonal periodic arrays fabricated by in situ solvent-assisted nanoimprint lithography of block copolymers. Nanotechnology, 2014, 25, 175703.	2.6	19
100	Graphoepitaxial Directed Self-Assembly of Polystyrene-Block-Polydimethylsiloxane Block Copolymer on Substrates Functionalized with Hexamethyldisilazane to Fabricate Nanoscale Silicon Patterns. Advanced Materials Interfaces, 2014, 1, 1300102.	3.7	3
101	Eu-Doped Cerium Oxide Nanoparticles Studied by Positron Annihilation. Acta Physica Polonica A, 2014, 125, 756-759.	0.5	2
102	Defect analysis and alignment quantification of line arrays prepared by directed self-assembly of a block copolymer. , 2014, , .		3
103	Nanoimprint-assisted directed self-assembly of low-molecular weight block copolymers: a route for 3D and multilevel nanostructures. , 2014, , .		0
104	Order and defectivity nanometrology by image processing and analysis of sub-20 nm BCPs features for lithographic applications. Proceedings of SPIE, 2014, , .	0.8	0
105	Silver migration from nanosilver and a commercially available zeolite filler polyethylene composites to food simulants. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 1132-1140.	2.3	56
106	Self-assembled nanostructures as templates for patterned surfaces with non-microelectronic applications. Proceedings of SPIE, 2014, , .	0.8	1
107	An in situ hard mask block copolymer approach for the fabrication of ordered, large scale, horizontally aligned, Si nanowire arrays on Si substrate. , 2014, , .		0
108	Formation of sub-7 nm feature size PS-b-P4VP block copolymer structures by solvent vapour process. Proceedings of SPIE, 2014, , .	0.8	17

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109	Selective etching of polylactic acid in poly(styrene)- <i>block</i> -poly(<i>d,l</i> -lactide) diblock copolymer for nanoscale patterning. Journal of Applied Polymer Science, 2014, 131, .	2.6	21
110	Defect Chemistry and Vacancy Concentration of Luminescent Europium Doped Ceria Nanoparticles by the Solvothermal Method. Journal of Physical Chemistry C, 2014, 118, 10700-10710.	3.1	36
111	A positron annihilation spectroscopic investigation of europium-doped cerium oxide nanoparticles. Nanoscale, 2014, 6, 608-615.	5.6	45
112	Size-controlled growth of germanium nanowires from ternary eutectic alloy catalysts. Journal of Materials Chemistry C, 2014, 2, 4597-4605.	5.5	10
113	Interfacial Characteristics and Determination of Cohesive and Adhesive Strength of Plasma-Coated Hydroxyapatite via Nanoindentation and Microscratch Techniques. Langmuir, 2014, 30, 11412-11420.	3.5	18
114	Study of the Kinetics and Mechanism of Rapid Self-Assembly in Block Copolymer Thin Films during Solvo-Microwave Annealing. Langmuir, 2014, 30, 10728-10739.	3.5	34
115	Evaluation and Simulation of Silver and Copper Nanoparticle Migration from Polyethylene Nanocomposites to Food and an Associated Exposure Assessment. Journal of Agricultural and Food Chemistry, 2014, 62, 1403-1411.	5.2	168
116	Fabrication of Ordered, Large Scale, Horizontally-Aligned Si Nanowire Arrays Based on an In Situ Hard Mask Block Copolymer Approach. Advanced Materials, 2014, 26, 1207-1216.	21.0	35
117	Fabrication of $3D$ Nanodimensioned Electric Double Layer Capacitor Structures Using Block Copolymer Templates. Journal of Nanoscience and Nanotechnology, 2014, 14, 5221-5227.	0.9	3
118	Rapid, Brushless Self-assembly of a PS- <i>b</i> -PDMS Block Copolymer for Nanolithography. Colloids and Interface Science Communications, 2014, 2, 1-5.	4.1	17
119	The Morphology of Ordered Block Copolymer Patterns as Probed by High Resolution Imaging. Nanomaterials and Nanotechnology, 2014, 4, 25.	3.0	12
120	Swift Nanopattern Formation of PS- <i>b</i> -PMMA and PS- <i>b</i> -PDMS Block Copolymer Films Using a Microwave Assisted Technique. ACS Nano, 2013, 7, 6583-6596.	14.6	67
121	Supercritical-fluid synthesis of FeF ₂ and CoF ₂ Li-ion conversion materials. Journal of Materials Chemistry A, 2013, 1, 10667.	10.3	54
122	Fabrication of highly ordered sub-20 nm silicon nanopillars by block copolymer lithography combined with resist design. Journal of Materials Chemistry C, 2013, 1, 3544.	5.5	28
123	Manipulating the Growth Kinetics of Vapor-Liquid-Solid Propagated Ge Nanowires. Nano Letters, 2013, 13, 4044-4052.	9.1	51
124	Highly stable PEGylated gold nanoparticles in water: applications in biology and catalysis. RSC Advances, 2013, 3, 21016.	3.6	49
125	Pervaporation performance enhancement through the incorporation of mesoporous silica spheres into PVA membranes. Separation and Purification Technology, 2013, 118, 73-80.	7.9	41
126	Self-assembly of polystyrene- <i>block</i> -poly(4-vinylpyridine) block copolymer on molecularly functionalized silicon substrates: fabrication of inorganic nanostructured etchmask for lithographic use. Journal of Materials Chemistry C, 2013, 1, 7941.	5.5	34

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127	Palladium-Catalyzed Coupling Reactions for the Functionalization of Si Surfaces: Superior Stability of Alkenyl Monolayers. <i>Langmuir</i> , 2013, 29, 11950-11958.	3.5	15
128	Achieving structural control with thin polystyrene-b-polydimethylsiloxane block copolymer films: The complex relationship of interface chemistry, annealing methodology and process conditions. <i>European Polymer Journal</i> , 2013, 49, 3445-3454.	5.4	29
129	Soft-graphoepitaxy using nanoimprinted polyhedral oligomeric silsesquioxane substrates for the directed self-assembly of PS-b-PDMS. <i>European Polymer Journal</i> , 2013, 49, 3512-3521.	5.4	12
130	Containing the catalyst: diameter controlled Ge nanowire growth. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4450.	5.5	11
131	Fabrication of a sub-10 nm silicon nanowire based ethanol sensor using block copolymer lithography. <i>Nanotechnology</i> , 2013, 24, 065503.	2.6	30
132	Fabrication of Arrays of Lead Zirconate Titanate (PZT) Nanodots via Block Copolymer Self-Assembly. <i>Chemistry of Materials</i> , 2013, 25, 1458-1463.	6.7	31
133	Chemical oxidation of mesoporous carbon foams for lead ion adsorption. <i>Separation and Purification Technology</i> , 2013, 104, 150-159.	7.9	63
134	Photocatalytic properties of metal and non-metal doped novel sub 10nm titanium dioxide nanoparticles on methyl orange. <i>Journal of Colloid and Interface Science</i> , 2013, 411, 169-172.	9.4	15
135	Molecularly Functionalized Silicon Substrates for Orientation Control of the Microphase Separation of PS- <i>b</i> -PMMA and PS- <i>b</i> -PDMS Block Copolymer Systems. <i>Langmuir</i> , 2013, 29, 2809-2820.	3.5	30
136	Comparison of the preparation of cerium oxide nanocrystallites by forward (base to acid) and reverse (acid to base) precipitation. <i>Chemical Engineering Science</i> , 2013, 91, 102-110.	3.8	17
137	PEGylated gold nanoparticles: polymer quantification as a function of PEG lengths and nanoparticle dimensions. <i>RSC Advances</i> , 2013, 3, 6085-6094.	3.6	262
138	Sub-10 nm Feature Size PS- <i>b</i> -PDMS Block Copolymer Structures Fabricated by a Microwave-Assisted Solvothermal Process. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2004-2012.	8.0	74
139	Effect of nanoclay-type and PLA optical purity on the characteristics of PLA-based nanocomposite films. <i>Journal of Food Engineering</i> , 2013, 117, 113-123.	5.2	132
140	Depth Profiling of PLGA Copolymer in a Novel Biomedical Bilayer Using Confocal Raman Spectroscopy. <i>Langmuir</i> , 2013, 29, 5905-5910.	3.5	4
141	Directed self-assembly of PS- <i>b</i> -PMMA block copolymer using HSQ lines for translational alignment. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1192-1196.	5.5	13
142	Migration and exposure assessment of silver from a PVC nanocomposite. <i>Food Chemistry</i> , 2013, 139, 389-397.	8.2	129
143	Antimicrobial activity of chitosan, organic acids and nano-sized solubilisates for potential use in smart antimicrobially-active packaging for potential food applications. <i>Food Control</i> , 2013, 34, 393-397.	5.5	190
144	Solvent Vapor Annealing of Block Polymer Thin Films. <i>Macromolecules</i> , 2013, 46, 5399-5415.	4.8	470

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145	Orientation and Alignment Control of Microphase-Separated PS-b-PDMS Substrate Patterns via Polymer Brush Chemistry. ACS Applied Materials & Interfaces, 2013, 5, 88-97.	8.0	36
146	The sensitivity of random polymer brush-lamellar polystyrene-b-polymethylmethacrylate block copolymer systems to process conditions. Journal of Colloid and Interface Science, 2013, 393, 192-202.	9.4	12
147	Adsorption kinetic study: Effect of adsorbent pore size distribution on the rate of Cr (VI) uptake. Microporous and Mesoporous Materials, 2013, 165, 99-105.	4.4	82
148	Tuning PDMS Brush Chemistry by UV ³ Exposure for PS-b-PDMS Microphase Separation and Directed Self-assembly. Langmuir, 2013, 29, 8959-8968.	3.5	13
149	Sub-15-nm Silicon Lines Fabrication via PS-b-PDMS Block Copolymer Lithography. Journal of Nanomaterials, 2013, 2013, 1-7.	2.7	4
150	Size and space controlled hexagonal arrays of superparamagnetic iron oxide nanodots: magnetic studies and application. Scientific Reports, 2013, 3, 2772.	3.3	36
151	Fabrication of Germanium Nanowire Arrays by Block Copolymer Lithography. Science of Advanced Materials, 2013, 5, 782-787.	0.7	3
152	Resist-substrate interface tailoring for generating high-density arrays of Ge and Bi ₂ Se ₃ nanowires by electron beam lithography. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	1.2	17
153	Quantified Comparison of Ordering in Self-Assembled Block Copolymer Films of Different Molecular Weights by Image Analysis Method. Materials Research Society Symposia Proceedings, 2012, 1412, 20.	0.1	1
154	Block Copolymer Self-assembly on Ethylene Glycol (EG) Self-assembled Monolayer (SAM) for Nanofabrication. Materials Research Society Symposia Proceedings, 2012, 1450, 1.	0.1	0
155	Soft Graphoepitaxy of Hexagonal PS-b-PDMS on Nanopatterned POSS Surfaces fabricated by Nanoimprint Lithography. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 239-244.	0.3	15
156	In situ hard mask materials: a new methodology for creation of vertical silicon nanopillar and nanowire arrays. Nanoscale, 2012, 4, 7743.	5.6	45
157	The stability of CeO ₂ nanodots in ambient conditions: a study using block copolymer templated structures. Journal of Materials Chemistry, 2012, 22, 22949.	6.7	35
158	Block copolymer lithography: Feature size control and extension by an over-etch technique. Thin Solid Films, 2012, 522, 318-323.	1.8	21
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