

# Michael A Morris

## List of Publications by Year in descending order

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333  
papers

12,053  
citations

23500

58  
h-index

43802

91  
g-index

338  
all docs

338  
docs citations

338  
times ranked

14858  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Nanosilicas for Monoaromatic Hydrocarbons Removal from Air. <i>Silicon</i> , 2022, 14, 1447-1454.	1.8	5
2	Mechanism of liquid-phase metal infiltration into pyridine-containing polymeric thin films. <i>Materials Letters</i> , 2022, 313, 131682.	1.3	6
3	Rapid area deactivation for blocking atomic layer deposition processes using polystyrene brush layers. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7476-7484.	2.7	1
4	Room Temperature Fabrication of Macroporous Lignin Membranes for the Scalable Production of Black Silicon. <i>Biomacromolecules</i> , 2022, 23, 2512-2521.	2.6	3
5	Fabrication of Dimensional and Structural Controlled Open Pore, Mesoporous Silica Topographies on a Substrate. <i>Nanomaterials</i> , 2022, 12, 2223.	1.9	3
6	Optimization and Control of Large Block Copolymer Self-Assembly via Precision Solvent Vapor Annealing. <i>Macromolecules</i> , 2021, 54, 1203-1215.	2.2	22
7	Large-Area Fabrication of Vertical Silicon Nanotube Arrays <i>via</i> Toroidal Micelle Self-Assembly. <i>Langmuir</i> , 2021, 37, 1932-1940.	1.6	6
8	Structural Evolution of Nanophase Separated Block Copolymer Patterns in Supercritical CO <sub>2</sub> . <i>Nanomaterials</i> , 2021, 11, 669.	1.9	2
9	Hydroxylation methods for mesoporous silica and their impact on surface functionalisation. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 110989.	2.2	15
10	Green Nanofabrication Opportunities in the Semiconductor Industry: A Life Cycle Perspective. <i>Nanomaterials</i> , 2021, 11, 1085.	1.9	37
11	Fabrication of Graphoepitaxial Gate-All-Around Si Circuitry Patterned Nanowire Arrays Using Block Copolymer Assisted Hard Mask Approach. <i>ACS Nano</i> , 2021, 15, 9550-9558.	7.3	5
12	Size controlled fabrication of ordered monodispersed iron, cobalt and cobalt iron composite oxides nanoparticles arrays: A common block copolymer methodology. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 269, 115142.	1.7	5
13	Observation of ordered microphase separation of block copolymer micellar thin films under argon-plasma radiation. <i>Applied Surface Science</i> , 2021, 561, 149800.	3.1	2
14	Analysing trimethylaluminum infiltration into polymer brushes using a scalable area selective vapor phase process. <i>Materials Advances</i> , 2021, 2, 769-781.	2.6	13
15	The Use of Porous Silica Particles as Carriers for a Smart Delivery of Antimicrobial Essential Oils in Food Applications. <i>ACS Omega</i> , 2021, 6, 30376-30385.	1.6	11
16	Defining Swelling Kinetics in Block Copolymer Thin Films: The Critical Role of Temperature and Vapour Pressure Ramp. <i>Polymers</i> , 2021, 13, 4238.	2.0	0
17	Sub-25 nm Inorganic and Dielectric Nanopattern Arrays on Substrates: A Block Copolymer-Assisted Lithography. <i>ACS Omega</i> , 2021, 6, 35738-35744.	1.6	4
18	Antimicrobial effect of benzoic and sorbic acid salts and nano-solubilisates against <i>Staphylococcus aureus</i> , <i>Pseudomonas fluorescens</i> and chicken microbiota biofilms. <i>Food Control</i> , 2020, 107, 106786.	2.8	29

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19	Characterization of electron beam deposited Nb <sub>2</sub> O <sub>5</sub> coatings for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 103, 103582.	1.5	22
20	Precise Definition of a "Monolayer Point" in Polymer Brush Films for Fabricating Highly Coherent TiO <sub>2</sub> Thin Films by Vapor-Phase Infiltration. Langmuir, 2020, 36, 12394-12402.	1.6	13
21	Enabling future nanomanufacturing through block copolymer self-assembly: A review. Nano Today, 2020, 35, 100936.	6.2	134
22	A conceptual change in crystallisation mechanisms of oxide materials from solutions in closed systems. Scientific Reports, 2020, 10, 18414.	1.6	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.	3.3	5
24	A cubane-type manganese complex with H <sub>2</sub> O oxidation capabilities. Sustainable Energy and Fuels, 2020, 4, 4464-4468.	2.5	6
25	One Dimensional AuAg Nanostructures as Anodic Catalysts in the Ethylene Glycol Oxidation. Nanomaterials, 2020, 10, 719.	1.9	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.	0.9	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.	2.4	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.	3.2	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.	2.4	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.	1.8	12
31	Using block copolymers as infiltration sites for development of future nanoelectronic devices: Achievements, barriers, and opportunities. Microelectronic Engineering, 2018, 195, 74-85.	1.1	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.	1.1	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.	3.3	19
34	Electrochemical Sensing of Hydrogen Peroxide Using Block Copolymer Templated Iron Oxide Nanopatterns. Analytical Chemistry, 2018, 90, 1122-1128.	3.2	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.	2.4	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 graphoepitaxial directed hardmask block copolymer self-assembly. Journal of Colloid and Interface Science, 2018, 531, 533-543.	5.0	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.	1.1	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.	1.9	19
42	Synthesis of monodisperse chitosan nanoparticles. Food Hydrocolloids, 2018, 83, 355-364.	5.6	73
43	Development of Ordered, Porous (Sub-25 nm Dimensions) Surface Membrane Structures Using a Block Copolymer Approach. Scientific Reports, 2018, 8, 7252.	1.6	11
44	Enabling Large-Area Selective Deposition on Metal-Dielectric Patterns using Polymer Brush Deactivation. Journal of Physical Chemistry C, 2018, 122, 14698-14705.	1.5	19
45	Controlled solvent vapor annealing of a high $\chi$ block copolymer thin film. Physical Chemistry Chemical Physics, 2017, 19, 2805-2815.	1.3	48
46	Development of active, nanoparticle, antimicrobial technologies for muscle-based packaging applications. Meat Science, 2017, 132, 163-178.	2.7	29
47	Photocatalytic air-purification: a low-cost, real-time gas detection method. Analytical Methods, 2017, 9, 170-175.	1.3	0
48	Large Block Copolymer Self-Assembly for Fabrication of Subwavelength Nanostructures for Applications in Optics. Nano Letters, 2017, 17, 2973-2978.	4.5	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.	1.3	4
50	Area Selective Polymer Brush Deposition. Macromolecular Rapid Communications, 2017, 38, 1700252.	2.0	17
51	Self-Assembled Nanofeatures in Complex Three-Dimensional Topographies via Nanoimprint and Block Copolymer Lithography Methods. ACS Omega, 2017, 2, 4417-4423.	1.6	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.	2.7	23
53	Synthesis and stability of IR-820 and FITC doped silica nanoparticles. Journal of Colloid and Interface Science, 2017, 490, 294-302.	5.0	7
54	Creating Active Device Materials for Nanoelectronics Using Block Copolymer Lithography. Nanomaterials, 2017, 7, 304.	1.9	25

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55	Assessment of the migration potential of nanosilver from nanoparticle-coated low-density polyethylene food packaging into food simulants. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1-12.	1.1	18
56	Human exposure assessment of silver and copper migrating from an antimicrobial nanocoated packaging material into an acidic food simulant. <i>Food and Chemical Toxicology</i> , 2016, 95, 128-136.	1.8	26
57	Morphological evolution of lamellar forming polystyrene-block-poly(4-vinylpyridine) copolymers under solvent annealing. <i>Soft Matter</i> , 2016, 12, 5429-5437.	1.2	19
58	Development of a facile block copolymer method for creating hard mask patterns integrated into semiconductor manufacturing. <i>Nano Research</i> , 2016, 9, 3116-3128.	5.8	9
59	Mechanical properties and biocompatibility of the sputtered Ti doped hydroxyapatite. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 63, 314-325.	1.5	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. <i>Nanotechnology</i> , 2016, 27, 484003.	1.3	4
62	Non-equilibrium induction of tin in germanium: towards direct bandgap Ge <sub>1-x</sub> Sn <sub>x</sub> nanowires. <i>Nature Communications</i> , 2016, 7, 11405.	5.8	100
63	The Potential Application of Antimicrobial Silver Polyvinyl Chloride Nanocomposite Films to Extend the Shelf-Life of Chicken Breast Fillets. <i>Food and Bioprocess Technology</i> , 2016, 9, 1661-1673.	2.6	58
64	Strategies for Inorganic Incorporation using Neat Block Copolymer Thin Films for Etch Mask Function and Nanotechnological Application. <i>Advanced Materials</i> , 2016, 28, 5586-5618.	11.1	135
65	Fabrication of MoS <sub>2</sub> Nanowire Arrays and Layered Structures via the Self-Assembly of Block Copolymers. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500596.	1.9	23
66	Solvothermal Vapor Annealing of Lamellar Poly(styrene)- <i>block</i> -poly( <i>d</i> , <i>l</i> -lactide) Block Copolymer Thin Films for Directed Self-Assembly Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8295-8304.	4.0	29
67	Fabrication of ultra-dense sub-10 nm in-plane Si nanowire arrays by using a novel block copolymer method: optical properties. <i>Nanoscale</i> , 2016, 8, 2177-2187.	2.8	16
68	The potential use of a layer-by-layer strategy to develop LDPE antimicrobial films coated with silver nanoparticles for packaging applications. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 239-248.	5.0	69
69	Characteristics, interactions and coating adherence of heterogeneous polymer/drug coatings for biomedical devices. <i>Materials Science and Engineering C</i> , 2016, 59, 102-108.	3.8	15
70	Silver Nanopatterned Surfaces by Block Copolymer Inclusion and Biomineralization. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 841-848.	0.3	1
71	High quality sub-10 nm graphene nanoribbons by on-chip PS-b-PDMS block copolymer lithography. <i>RSC Advances</i> , 2015, 5, 66711-66717.	1.7	22
72	A Highly Efficient Sensor Platform Using Simply Manufactured Nanodot Patterned Substrates. <i>Scientific Reports</i> , 2015, 5, 13270.	1.6	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.	1.2	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.	2.7	37
76	A facile route to synthesis of S-doped TiO <sub>2</sub> 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.	2.0	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.	2.0	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.	5.8	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.	7.8	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.	2.8	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.	1.6	15
84	Diameter-Controlled Germanium Nanowires with Lamellar Twinning and Polytypes. <i>Chemistry of Materials</i> , 2015, 27, 3408-3416.	3.2	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.	2.7	14
86	Organo-arsenic Molecular Layers on Silicon for High-Density Doping. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15514-15521.	4.0	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.	7.8	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.	5.0	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.	1.7	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. <i>Food Packaging and Shelf Life</i> , 2015, 4, 26-35.	3.3	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. <i>Chemistry of Materials</i> , 2015, 27, 6091-6096.	3.2	23
93	Mapping self-assembled dots and line arrays by image analysis for quantification of defect density and alignment. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
94	Directed self-assembly of block copolymers for nanocircuitry fabrication. <i>Microelectronic Engineering</i> , 2015, 132, 207-217.	1.1	103
95	Application of silver nanodots for potential use in antimicrobial packaging applications. <i>Innovative Food Science and Emerging Technologies</i> , 2015, 27, 136-143.	2.7	41
96	In-situ Observations of Nanoscale Effects in Germanium Nanowire Growth with Ternary Eutectic Alloys. <i>Small</i> , 2015, 11, 103-111.	5.2	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 <i>in situ</i> solvent-assisted nanoimprint lithography of block copolymers. <i>Nanotechnology</i> , 2014, 25, 175703.	1.3	19
100	Graphoepitaxial Directed Self-Assembly of Polystyrene-Block-Polydimethylsiloxane Block Copolymer on Substrates Functionalized with Hexamethyldisilazane to Fabricate Nanoscale Silicon Patterns. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300102.	1.9	3
101	Eu-Doped Cerium Oxide Nanoparticles Studied by Positron Annihilation. <i>Acta Physica Polonica A</i> , 2014, 125, 756-759.	0.2	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. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
105	Silver migration from nanosilver and a commercially available zeolite filler polyethylene composites to food simulants. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 1132-1140.	1.1	56
106	Self-assembled nanostructures as templates for patterned surfaces with non-microelectronic applications. <i>Proceedings of SPIE</i> , 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. <i>Proceedings of SPIE</i> , 2014, , .	0.8	17

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109	Selective etching of polylactic acid in poly(styrene)- <i>b</i> -poly( <i>d,l</i> -lactide) diblock copolymer for nanoscale patterning. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	21
110	Defect Chemistry and Vacancy Concentration of Luminescent Europium Doped Ceria Nanoparticles by the Solvothermal Method. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10700-10710.	1.5	36
111	A positron annihilation spectroscopic investigation of europium-doped cerium oxide nanoparticles. <i>Nanoscale</i> , 2014, 6, 608-615.	2.8	45
112	Size-controlled growth of germanium nanowires from ternary eutectic alloy catalysts. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4597-4605.	2.7	10
113	Interfacial Characteristics and Determination of Cohesive and Adhesive Strength of Plasma-Coated Hydroxyapatite via Nanoindentation and Microscratch Techniques. <i>Langmuir</i> , 2014, 30, 11412-11420.	1.6	18
114	Study of the Kinetics and Mechanism of Rapid Self-Assembly in Block Copolymer Thin Films during Solvo-Microwave Annealing. <i>Langmuir</i> , 2014, 30, 10728-10739.	1.6	34
115	Evaluation and Simulation of Silver and Copper Nanoparticle Migration from Polyethylene Nanocomposites to Food and an Associated Exposure Assessment. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1403-1411.	2.4	168
116	Fabrication of Ordered, Large Scale, Horizontally- $\epsilon$ -Aligned Si Nanowire Arrays Based on an In Situ Hard Mask Block Copolymer Approach. <i>Advanced Materials</i> , 2014, 26, 1207-1216.	11.1	35
117	Fabrication of $3D$ Nanodimensioned Electric Double Layer Capacitor Structures Using Block Copolymer Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5221-5227.	0.9	3
118	Rapid, Brushless Self-assembly of a PS- <i>b</i> -PDMS Block Copolymer for Nanolithography. <i>Colloids and Interface Science Communications</i> , 2014, 2, 1-5.	2.0	17
119	The Morphology of Ordered Block Copolymer Patterns as Probed by High Resolution Imaging. <i>Nanomaterials and Nanotechnology</i> , 2014, 4, 25.	1.2	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. <i>ACS Nano</i> , 2013, 7, 6583-6596.	7.3	67
121	Supercritical-fluid synthesis of FeF <sub>2</sub> and CoF <sub>2</sub> Li-ion conversion materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10667.	5.2	54
122	Fabrication of highly ordered sub-20 nm silicon nanopillars by block copolymer lithography combined with resist design. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3544.	2.7	28
123	Manipulating the Growth Kinetics of Vapor- $\epsilon$ -Liquid- $\epsilon$ -Solid Propagated Ge Nanowires. <i>Nano Letters</i> , 2013, 13, 4044-4052.	4.5	51
124	Highly stable PEGylated gold nanoparticles in water: applications in biology and catalysis. <i>RSC Advances</i> , 2013, 3, 21016.	1.7	49
125	Pervaporation performance enhancement through the incorporation of mesoporous silica spheres into PVA membranes. <i>Separation and Purification Technology</i> , 2013, 118, 73-80.	3.9	41
126	Self-assembly of polystyrene-block-poly(4-vinylpyridine) block copolymer on molecularly functionalized silicon substrates: fabrication of inorganic nanostructured etchmask for lithographic use. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7941.	2.7	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.	1.6	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.	2.6	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.	2.6	12
130	Containing the catalyst: diameter controlled Ge nanowire growth. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4450.	2.7	11
131	Fabrication of a sub-10 nm silicon nanowire based ethanol sensor using block copolymer lithography. <i>Nanotechnology</i> , 2013, 24, 065503.	1.3	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.	3.2	31
133	Chemical oxidation of mesoporous carbon foams for lead ion adsorption. <i>Separation and Purification Technology</i> , 2013, 104, 150-159.	3.9	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.	5.0	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.	1.6	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.	1.9	17
137	PEGylated gold nanoparticles: polymer quantification as a function of PEG lengths and nanoparticle dimensions. <i>RSC Advances</i> , 2013, 3, 6085-6094.	1.7	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 &amp; Interfaces</i> , 2013, 5, 2004-2012.	4.0	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.	2.7	132
140	Depth Profiling of PLGA Copolymer in a Novel Biomedical Bilayer Using Confocal Raman Spectroscopy. <i>Langmuir</i> , 2013, 29, 5905-5910.	1.6	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.	2.7	13
142	Migration and exposure assessment of silver from a PVC nanocomposite. <i>Food Chemistry</i> , 2013, 139, 389-397.	4.2	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.	2.8	190
144	Solvent Vapor Annealing of Block Polymer Thin Films. <i>Macromolecules</i> , 2013, 46, 5399-5415.	2.2	470

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145	Orientation and Alignment Control of Microphase-Separated PS- <i>b</i> -PDMS Substrate Patterns via Polymer Brush Chemistry. ACS Applied Materials & Interfaces, 2013, 5, 88-97.	4.0	36
146	The sensitivity of random polymer brush-lamellar polystyrene- <i>b</i> -polymethylmethacrylate block copolymer systems to process conditions. Journal of Colloid and Interface Science, 2013, 393, 192-202.	5.0	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.	2.2	82
148	Tuning PDMS Brush Chemistry by UV <sup>3</sup> Exposure for PS- <i>b</i> -PDMS Microphase Separation and Directed Self-assembly. Langmuir, 2013, 29, 8959-8968.	1.6	13
149	Sub-15-nm Silicon Lines Fabrication via PS- <i>b</i> -PDMS Block Copolymer Lithography. Journal of Nanomaterials, 2013, 2013, 1-7.	1.5	4
150	Size and space controlled hexagonal arrays of superparamagnetic iron oxide nanodots: magnetic studies and application. Scientific Reports, 2013, 3, 2772.	1.6	36
151	Fabrication of Germanium Nanowire Arrays by Block Copolymer Lithography. Science of Advanced Materials, 2013, 5, 782-787.	0.1	3
152	Resist <sup>2</sup> substrate interface tailoring for generating high-density arrays of Ge and Bi <sub>2</sub> Se <sub>3</sub> nanowires by electron beam lithography. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	0.6	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- <i>b</i> -PDMS on Nanopatterned POSS Surfaces fabricated by Nanoimprint Lithography. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 239-244.	0.1	15
156	œIn situ hard mask materials: a new methodology for creation of vertical silicon nanopillar and nanowire arrays. Nanoscale, 2012, 4, 7743.	2.8	45
157	The stability of œCe <sub>2</sub> O <sub>3</sub> 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.	0.8	21
159	Potential overpressure of tetrachlorosilane when sealed with rubber septa. Journal of Chemical Health and Safety, 2012, 19, 37-38.	1.1	1
160	Nanotechnologies in the food industry œ Recent developments, risks and regulation. Trends in Food Science and Technology, 2012, 24, 30-46.	7.8	541
161	Nanoporous Polymeric Nanofibers Based on Selectively Etched PS- <i>b</i> -PDMS Block Copolymers. ACS Applied Materials & Interfaces, 2012, 4, 280-285.	4.0	20
162	Non-solvolytic synthesis of aqueous soluble TiO <sub>2</sub> nanoparticles and real-time dynamic measurements of the nanoparticle formation. Nanoscale Research Letters, 2012, 7, 297.	3.1	10

#	ARTICLE	IF	CITATIONS
163	Large-scale parallel arrays of silicon nanowires via block copolymer directed self-assembly. <i>Nanoscale</i> , 2012, 4, 3228.	2.8	59
164	Manufacture and characterization of gelatin films derived from beef, pork and fish sources using twin screw extrusion. <i>Journal of Food Engineering</i> , 2012, 113, 606-614.	2.7	55
165	Freestanding bucky paper with high strength from multi-wall carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2012, 135, 921-927.	2.0	22
166	Selective Sidewall Wetting of Polymer Blocks in Hydrogen Silsesquioxane Directed Self-Assembly of PS- <i>b</i> -PDMS. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4637-4642.	4.0	28
167	Removal of Formaldehyde from Air Using Functionalized Silica Supports. <i>Environmental Science &amp; Technology</i> , 2012, 46, 13354-13360.	4.6	71
168	A general method for controlled nanopatterning of oxide dots: a microphase separated block copolymer platform. <i>Journal of Materials Chemistry</i> , 2012, 22, 12083.	6.7	56
169	Inherent Control of Growth, Morphology, and Defect Formation in Germanium Nanowires. <i>Nano Letters</i> , 2012, 12, 5654-5663.	4.5	31
170	Brushless and controlled microphase separation of lamellar polystyrene- <i>b</i> -polyethylene oxide thin films for block copolymer nanolithography. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 904-909.	2.4	5
171	Large Scale Monodisperse Hexagonal Arrays of Superparamagnetic Iron Oxides Nanodots: A Facile Block Copolymer Inclusion Method. <i>Advanced Materials</i> , 2012, 24, 2390-2397.	11.1	59
172	The formation of surface stable anion vacancy states at CeO <sub>2</sub> ultra-small crystallite dimensions. <i>Chemical Physics Letters</i> , 2012, 536, 109-112.	1.2	2
173	Amine-functionalised SBA-15 of tailored pore size for heavy metal adsorption. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 330-337.	5.0	94
174	Unusual trend of increasing selectivity and decreasing flux with decreasing thickness in pervaporation separation of ethanol/water mixtures using sodium alginate blend membranes. <i>Journal of Colloid and Interface Science</i> , 2012, 370, 176-182.	5.0	13
175	Random Poly(methyl methacrylate- <i>co</i> -styrene) Brushes by ATRP to Create Neutral Surfaces for Block Copolymer Self-Assembly. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 108-115.	1.1	19
176	Size-tuneable synthesis of nickel nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	35
177	Microwave-assisted synthesis of icosahedral nickel nanocrystals. <i>CrystEngComm</i> , 2011, 13, 2023.	1.3	15
178	Planarized and Nanopatterned Mesoporous Silica Thin Films by Chemical-Mechanical Polishing of Gap-Filled Topographically Patterned Substrates. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 451-461.	1.1	3
179	Synthesis and Magnetic Characterization of Coaxial Ge <sub>1-x</sub> Mn <sub>x</sub> /a-Si Heterostructures. <i>Crystal Growth and Design</i> , 2011, 11, 5253-5259.	1.4	4
180	Organic Functionalization of Germanium Nanowires using Arenediazonium Salts. <i>Chemistry of Materials</i> , 2011, 23, 1883-1891.	3.2	38

#	ARTICLE	IF	CITATIONS
181	Plasma etch technologies for the development of ultra-small feature size transistor devices. Journal Physics D: Applied Physics, 2011, 44, 174012.	1.3	80
182	Cyclical "Flipping" of Morphology in Block Copolymer Thin Films. ACS Nano, 2011, 5, 4617-4623.	7.3	69
183	Surface-Directed Dewetting of a Block Copolymer for Fabricating Highly Uniform Nanostructured Microdroplets and Concentric Nanorings. ACS Nano, 2011, 5, 1073-1085.	7.3	39
184	A new methodology for studying nanoparticle interactions in biological systems: Dispersing titania in biocompatible media using chemical stabilisers. Nanoscale, 2011, 3, 4617.	2.8	21
185	Advances in Ultra Low Dielectric Constant Ordered Porous Materials. Electrochemical Society Interface, 2011, 20, 39-46.	0.3	30
186	Comprehensive investigation of Ge-Si bonded interfaces using oxygen radical activation. Journal of Applied Physics, 2011, 109, .	1.1	16
187	Improved photocatalytic degradation rates of phenol achieved using novel porous ZrO <sub>2</sub> -doped TiO <sub>2</sub> nanoparticulate powders. Journal of Hazardous Materials, 2011, 193, 120-127.	6.5	49
188	The complex synthesis and solid state chemistry of ceria-lanthana solid solutions prepared via a hexamethylenetetramine precipitation. Journal of Solid State Chemistry, 2011, 184, 2595-2600.	1.4	10
189	Carbon nanocages as heavy metal ion adsorbents. Desalination, 2011, 280, 87-94.	4.0	18
190	Development of chemically engineered porous metal oxides for phosphate removal. Journal of Hazardous Materials, 2011, 185, 382-391.	6.5	106
191	Large pore diameter MCM-41 and its application for lead removal from aqueous media. Journal of Hazardous Materials, 2011, 185, 898-904.	6.5	88
192	The morphology and structure of PS- <i>b</i> -P4VP block copolymer films by solvent annealing: effect of the solvent parameter. Polymers for Advanced Technologies, 2011, 22, 915-923.	1.6	49
193	Nitrogen-Doped Carbon Nanotubes: Growth, Mechanism and Structure. ChemPhysChem, 2011, 12, 2995-3001.	1.0	26
194	An XPS study of the oxidation of reduced ceria-lanthana nanocrystals. Chemical Physics Letters, 2011, 509, 51-57.	1.2	31
195	Syntheses of complex mesoporous silicas using mixtures of nonionic block copolymer surfactants: Understanding formation of different structures using solubility parameters. Journal of Colloid and Interface Science, 2011, 353, 169-180.	5.0	23
196	Facile Synthesis of Monodisperse ZnO Nanocrystals by Direct Liquid Phase Precipitation. Journal of Nanomaterials, 2011, 2011, 1-9.	1.5	5
197	Production of bio-oils via catalytic pyrolysis. , 2011, , 349-389.		6
198	(Invited) Functionalization of Germanium Nanowires. ECS Transactions, 2011, 35, 89-99.	0.3	2

#	ARTICLE	IF	CITATIONS
199	A modified Stober process for the production of mesoporous Sub 2 micron silica microspheres; applications in HPLC. Journal of Porous Materials, 2010, 17, 145-152.	1.3	24
200	Self-assembled templates for the generation of arrays of 1-dimensional nanostructures: From molecules to devices. Journal of Colloid and Interface Science, 2010, 349, 449-472.	5.0	43
201	Magnetic properties of Ni nanoparticles on microporous silica spheres. Journal of Magnetism and Magnetic Materials, 2010, 322, 1269-1274.	1.0	13
202	Electrodeposited amorphous Co-P based alloy with improved thermal stability. Journal of Magnetism and Magnetic Materials, 2010, 322, 1536-1539.	1.0	11
203	Mesopore constrictions derived from the substitutionally co-packed SBA-15. Microporous and Mesoporous Materials, 2010, 129, 179-188.	2.2	12
204	Time-resolved SAXS studies of periodic mesoporous organosilicas in anodic alumina membranes. Microporous and Mesoporous Materials, 2010, 130, 203-207.	2.2	11
205	The Rapid Formation of $\text{La}(\text{OH})_3$ from $\text{La}_2\text{O}_3$ Powders on Exposure to Water Vapor. Journal of the American Ceramic Society, 2010, 93, 1187-1194.	1.9	134
206	Low temperature germanium to silicon direct wafer bonding using free radical exposure. Applied Physics Letters, 2010, 96, .	1.5	39
207	Graphoepitaxial assembly of asymmetric ternary blends of block copolymers and homopolymers. Nanotechnology, 2010, 21, 495301.	1.3	14
208	Monitoring PMMA Elimination by Reactive Ion Etching from a Lamellar PS-b-PMMA Thin Film by ex Situ TEM Methods. Macromolecules, 2010, 43, 8651-8655.	2.2	59
209	Unusual magnetism in templated NiS nanoparticles. Journal of Physics Condensed Matter, 2010, 22, 076001.	0.7	13
210	The Analysis of the Peat Content of Silt in River Water. Analytical Letters, 2010, 43, 1902-1909.	1.0	0
211	Alkane and Alkanethiol Passivation of Halogenated Ge Nanowires. Chemistry of Materials, 2010, 22, 6370-6377.	3.2	42
212	Seedless Growth of Sub-10 nm Germanium Nanowires. Journal of the American Chemical Society, 2010, 132, 13742-13749.	6.6	42
213	Supercritical Fluid Synthesis of Magnetic Hexagonal Nanoplatelets of Magnetite. Journal of the American Chemical Society, 2010, 132, 12540-12541.	6.6	47
214	Size-Related Lattice Parameter Changes and Surface Defects in Ceria Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 12909-12919.	1.5	154
215	A Facile Route to ZnO Nanoparticle Superlattices: Synthesis, Functionalization, and Self-Assembly. Journal of Physical Chemistry C, 2010, 114, 2003-2011.	1.5	31
216	A comparative study of selected sorbents for sampling of aromatic VOCs from indoor air. Analytical Methods, 2010, 2, 1803.	1.3	29

#	ARTICLE	IF	CITATIONS
217	Swelling of Ionic and Nonionic Surfactant Micelles by High Pressure Gases. <i>Langmuir</i> , 2010, 26, 7725-7731.	1.6	5
218	Porous silica spheres as indoor air pollutant scavengers. <i>Journal of Environmental Monitoring</i> , 2010, 12, 2244.	2.1	11
219	Chemical Interactions and Their Role in the Microphase Separation of Block Copolymer Thin Films. <i>International Journal of Molecular Sciences</i> , 2009, 10, 3671-3712.	1.8	90
220	One-Step Synthesis of Stoichiometrically Defined Metal Oxide Nanoparticles at Room Temperature. <i>Chemistry - A European Journal</i> , 2009, 15, 440-448.	1.7	14
221	The role of etched silicon channels on the pore ordering of mesoporous silica: The importance of film thickness on providing highly orientated and defect-free thin films. <i>Applied Surface Science</i> , 2009, 255, 9333-9342.	3.1	2
222	Synthesis of Porous Silica Foams via a Novel Vacuum-Induced Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2798-2800.	1.9	3
223	Thermally stable nanocrystallised mesoporous zirconia thin films. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 161-164.	2.2	20
224	Large pore bi-functionalised mesoporous silica for metal ion pollution treatment. <i>Journal of Hazardous Materials</i> , 2009, 164, 229-234.	6.5	66
225	Toroid formation in polystyrene-block-poly(4-vinyl pyridine) diblock copolymers: Combined substrate and solvent control. <i>Chemical Physics Letters</i> , 2009, 476, 65-68.	1.2	15
226	Single Crystalline Ge <sub>1-x</sub> Mnx Nanowires as Building Blocks for Nanoelectronics. <i>Nano Letters</i> , 2009, 9, 50-56.	4.5	73
227	Pore Directionality and Correlation Lengths of Mesoporous Silica Channels Aligned by Physical Epitaxy. <i>ACS Nano</i> , 2009, 3, 2311-2319.	7.3	14
228	Study on the Combined Effects of Solvent Evaporation and Polymer Flow upon Block Copolymer Self-Assembly and Alignment on Topographic Patterns. <i>Langmuir</i> , 2009, 25, 13551-13560.	1.6	30
229	Characterization of aluminium-based water treatment residual for potential phosphorus removal in engineered wetlands. <i>Environmental Pollution</i> , 2009, 157, 2830-2836.	3.7	183
230	Synthesis and characterisation of ordered arrays of mesoporous carbon nanofibres. <i>Journal of Materials Chemistry</i> , 2009, 19, 1331.	6.7	42
231	Single step synthesis of Ge/SiO <sub>x</sub> core-shell heterostructured nanowires. <i>Journal of Materials Chemistry</i> , 2009, 19, 954.	6.7	13
232	Orientation and Translational Control of PS-b-PEO/PS Thin Films via Solvent Annealing and Graphoepitaxy Techniques. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 471-475.	0.1	6
233	Facile and Controlled Synthesis of Ultra-Thin Low Dielectric Constant Meso/Microporous Silica Films. <i>ChemPhysChem</i> , 2008, 9, 1524-1527.	1.0	12
234	High-frequency nanostructured magnetic materials for integrated inductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2509-2512.	1.0	18

#	ARTICLE	IF	CITATIONS
235	MnS doped mesoporous silica catalysts for the generation of novel carbon nanocages. <i>Applied Catalysis A: General</i> , 2008, 341, 8-11.	2.2	2
236	Confined Growth and Crystallography of One-Dimensional Bi <sub>2</sub> S <sub>3</sub> , CdS, and SnS <sub>x</sub> Nanostructures within Channeled Substrates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7345-7355.	1.5	25
237	Copper/Molybdenum Nanocomposite Particles as Catalysts for the Growth of Bamboo-Structured Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12201-12206.	1.5	24
238	Thin and continuous films with controlled bi- and tri-modal porosities by embedment of zeolite nanoparticles in a mesoporous matrix. <i>Journal of Materials Chemistry</i> , 2008, 18, 2213.	6.7	10
239	Supercritical Fluid Swelling of Liquid Crystal Films. <i>Langmuir</i> , 2008, 24, 6959-6964.	1.6	7
240	Dynamic Stable Nanostructured Metal Oxide Fractal Films Grown on Flat Substrates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14286-14291.	1.5	10
241	Growth of Ordered Arrangements of One-Dimensional Germanium Nanostructures with Controllable Crystallinities. <i>Chemistry of Materials</i> , 2008, 20, 1902-1908.	3.2	21
242	Two-Dimensional Fractal Structures of Metal Oxides Synthesized at Room Temperature. <i>Advanced Materials Research</i> , 2008, 47-50, 1177-1180.	0.3	2
243	Attachment of Functionalized Single-Walled Carbon Nanotubes (SWNTs) to Silicon Surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1545-1550.	0.9	7
244	TAILORING POROUS SILICA PARTICLE AND PORE SIZE USING A MODIFIED STÄBER, FINK, BOHN (SFB) SYSTEM AND POST-SYNTHESIS HYDROTHERMAL TREATMENTS. , 2008, , .		0
245	SUPERCritical FLUID PROCESSING OF FUNCTIONAL OXIDE CORE-SHELL NANOCABLE ARRAYS. <i>Integrated Ferroelectrics</i> , 2007, 92, 77-86.	0.3	0
246	Polystyrene-Polymethylmethacrylate Block Copolymers for Lithographically Assisted Bottom-Up Assembly of Nanostructures. <i>Materials Science Forum</i> , 2007, 555, 29-34.	0.3	1
247	The application of supercritical fluids in the preparation and processing of mesoporous materials. <i>Studies in Surface Science and Catalysis</i> , 2007, , 1796-1803.	1.5	2
248	In situ studies of order-disorder phenomena in the synthesis of mesoporous silica. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4823-4829.	1.5	6
249	Polymer nanostructures in sub-micron lithographically defined channels: film-thickness effects on structural alignment of a small feature size polystyrene-polyisoprene-polystyrene block copolymer. <i>Soft Matter</i> , 2007, 3, 916-921.	1.2	20
250	Size dependent thermal properties of embedded crystalline germanium nanowires. <i>Journal of Materials Chemistry</i> , 2007, 17, 1608.	6.7	17
251	Oriented Growth of Metal and Semiconductor Nanostructures within Aligned Mesoporous Channels. <i>Chemistry of Materials</i> , 2007, 19, 1376-1381.	3.2	44
252	Supercritical fluid processing of mesoporous crystalline TiO <sub>2</sub> thin films for highly efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2007, 17, 3888.	6.7	32

#	ARTICLE	IF	CITATIONS
253	Direct Fabrication of Well-Aligned Free-Standing Mesoporous Carbon Nanofiber Arrays on Silicon Substrates. <i>Journal of the American Chemical Society</i> , 2007, 129, 13388-13389.	6.6	75
254	Synthesis and swelling of large pore diameter mesoporous silica spheres. <i>Journal of Materials Chemistry</i> , 2007, 17, 3881.	6.7	39
255	Ordered Mesoporous Silicate Structures as Potential Templates for Nanowire Growth. <i>Advanced Functional Materials</i> , 2007, 17, 133-141.	7.8	29
256	Mesoporous Titania Nanotubes: Their Preparation and Application as Electrode Materials for Rechargeable Lithium Batteries. <i>Advanced Materials</i> , 2007, 19, 3016-3020.	11.1	240
257	A Supercritical Fluid Method for Growing Carbon Nanotubes. <i>Advanced Materials</i> , 2007, 19, 3043-3046.	11.1	13
258	Oriented Growth of Single-Crystalline Bi <sub>2</sub> S <sub>3</sub> Nanowire Arrays. <i>ChemPhysChem</i> , 2007, 8, 235-240.	1.0	32
259	The Synthesis and Characterisation of Ferromagnetic CaMn <sub>2</sub> O <sub>4</sub> Nanowires. <i>ChemPhysChem</i> , 2007, 8, 1694-1700.	1.0	15
260	Iron oxide nanoparticle impregnated mesoporous silicas as platforms for the growth of carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 142-149.	2.2	33
261	Physical and electrical properties of low dielectric constant self-assembled mesoporous silica thin films. <i>Microelectronics Reliability</i> , 2007, 47, 759-763.	0.9	17
262	Synthesis and characterization of nanoparticulate MnS within the pores of mesoporous silica. <i>Journal of Solid State Chemistry</i> , 2007, 180, 3443-3449.	1.4	9
263	The formation of ordered bismuth nanowire arrays within mesoporous silica templates. <i>Materials Chemistry and Physics</i> , 2007, 104, 50-55.	2.0	21
264	Preparation of MCM-48 materials with enhanced hydrothermal stability. <i>Journal of Materials Chemistry</i> , 2006, 16, 4051.	6.7	42
265	Preparation of Oriented Mesoporous Carbon Nano-Filaments within the Pores of Anodic Alumina Membranes. <i>Journal of the American Chemical Society</i> , 2006, 128, 3920-3921.	6.6	72
266	Structural investigation of germanium-cobalt core shell nanocable arrays. <i>Journal of Materials Chemistry</i> , 2006, 16, 3861-3866.	6.7	8
267	The remarkable reaction of N <sub>2</sub> O with a binary component lanthanide oxide mixture. <i>Chemical Communications</i> , 2006, , 3889.	2.2	2
268	Lattice Constant Dependence on Particle Size for Ceria prepared from a Citrate Sol-Gel. <i>Journal of Physics: Conference Series</i> , 2006, 26, 119-122.	0.3	40
269	Analysis of the Acid Passivation of Stainless Steel. <i>Analytical Letters</i> , 2006, 39, 2255-2271.	1.0	24
270	Micro-Raman analysis of quantum confined crystalline germanium nanowire arrays. <i>Insight: Non-Destructive Testing and Condition Monitoring</i> , 2006, 48, 735-737.	0.3	1



#	ARTICLE	IF	CITATIONS
271	Synthesis and Characterization of Highly Ordered Cobaltâ€“Magnetite Nanocable Arrays. <i>Small</i> , 2006, 2, 1299-1307.	5.2	38
272	Preparation of a highly thermally stable titania anatase phase by addition of mixed zirconia and silica dopants. <i>Ceramics International</i> , 2006, 32, 235-239.	2.3	66
273	The critical size mechanism for the anatase to rutile transformation in TiO <sub>2</sub> and doped-TiO <sub>2</sub> . <i>Journal of the European Ceramic Society</i> , 2006, 26, 1527-1534.	2.8	152
274	High Density Germanium Nanowire Assemblies:Â Contact Challenges and Electrical Characterization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 820-826.	1.2	55
275	Methanolysis of styrene oxide catalysed by a highly efficient zirconium-doped mesoporous silica. <i>Applied Catalysis A: General</i> , 2006, 304, 14-20.	2.2	39
276	High-Density Arrays of Germanium Nanowire Photoresistors. <i>Advanced Materials</i> , 2006, 18, 1812-1816.	11.1	64
277	Growth of carbon nano-structures in ceramic materials. , 2005, , .		2
278	A 3D miniaturised programmable transceiver. <i>Microelectronics International</i> , 2005, 22, 8-12.	0.4	42
279	Preparation of ceriaâ€“zirconia and yttriaâ€“zirconia mixed oxides of unusual pore structures. <i>Ceramics International</i> , 2005, 31, 929-935.	2.3	3
280	Strain induced photoluminescence from silicon and germanium nanowire arrays. <i>Journal of Materials Chemistry</i> , 2005, 15, 4809.	6.7	52
281	Probing the magnetic properties of cobaltâ€“germanium nanocable arrays. <i>Journal of Materials Chemistry</i> , 2005, 15, 2408.	6.7	28
282	A highly thermally stable anatase phase prepared by doping with zirconia and silica coupled to a mesoporous type synthesis technique. <i>Journal of Materials Chemistry</i> , 2005, 15, 3494.	6.7	39
283	Large Pore Methylene-Bridged Periodic Mesoporous Organosilicas:â€“ Synthesis, Bifunctionalization and Their Use as Nanotemplates. <i>Chemistry of Materials</i> , 2005, 17, 6407-6415.	3.2	26
284	Pore Size Engineering in Mesoporous Silicas Using Supercritical CO <sub>2</sub> . <i>Langmuir</i> , 2005, 21, 4163-4167.	1.6	35
285	Preparation of Mesoporous Titania Thin Films with Remarkably High Thermal Stability. <i>Chemistry of Materials</i> , 2005, 17, 1269-1271.	3.2	53
286	Supercritical Fluid Processing of Thermally Stable Mesoporous Titania Thin Films with Enhanced Photocatalytic Activity. <i>Chemistry of Materials</i> , 2005, 17, 4825-4831.	3.2	49
287	Structural and Magnetic Characterization of Ge <sub>0.99</sub> Mn <sub>0.01</sub> Nanowire Arrays. <i>Chemistry of Materials</i> , 2005, 17, 3615-3619.	3.2	41
288	Structural comparison of hexagonally ordered mesoporous thin films developed by dip- and spin-coating using X-ray reflectometry and other quantitative X-ray techniques. <i>Journal of Materials Chemistry</i> , 2005, 15, 4032.	6.7	12

#	ARTICLE	IF	CITATIONS
289	Reduction kinetics of ceria surface by hydrogen. <i>International Journal of Chemical Kinetics</i> , 2004, 36, 293-301.	1.0	15
290	The synthesis of matrices of embedded semiconducting nanowires. <i>Faraday Discussions</i> , 2004, 125, 311.	1.6	12
291	Preparation of a series of mesoporous lanthanide oxides by a neutral supramolecular templating route. Electronic supplementary information (ESI) available: DSC results. See <a href="http://www.rsc.org/suppdata/jm/b3/b313982d/">http://www.rsc.org/suppdata/jm/b3/b313982d/</a> . <i>Journal of Materials Chemistry</i> , 2004, 14, 1976.	6.7	15
292	Pore Expansion in Mesoporous Silicas Using Supercritical Carbon Dioxide. <i>Chemistry of Materials</i> , 2004, 16, 424-427.	3.2	45
293	Structural Control of Mesoporous Silica Nanowire Arrays in Porous Alumina Membranes. <i>Chemistry of Materials</i> , 2004, 16, 4851-4855.	3.2	110
294	Conductive films of ordered nanowire arrays. <i>Journal of Materials Chemistry</i> , 2004, 14, 585.	6.7	52
295	Preparation and morphology of niobium oxide fibres by electrospinning. <i>Chemical Physics Letters</i> , 2003, 374, 79-84.	1.2	88
296	Surface Studies of Ceria and Mesoporous Ceria Powders by Solid-State $^{139}\text{La}$ MAS NMR. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4607-4617.	1.2	46
297	Measurements of the lattice constant of ceria when doped with lanthana and praseodymia - the possibility of local defect ordering and the observation of extensive phase separation. <i>Journal of Physics Condensed Matter</i> , 2003, 15, L49-L58.	0.7	39
298	Synthesis of Metal and Metal Oxide Nanowire and Nanotube Arrays within a Mesoporous Silica Template. <i>Chemistry of Materials</i> , 2003, 15, 3518-3522.	3.2	190
299	Supercritical fluid preparation of copper nanotubes and nanowires using mesoporous templates. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 8303-8314.	0.7	26
300	Three Dimensional Architectures of Ultra-High Density Semiconducting Nanowires Deposited on Chip. <i>Journal of the American Chemical Society</i> , 2003, 125, 6284-6288.	6.6	86
301	Structural Characterization and CO Oxidation Activity of Nanostructured $\text{LaMnO}_3$ Catalysts. <i>Australian Journal of Chemistry</i> , 2002, 55, 757.	0.5	5
302	Synthesis and Characterization of a Novel Perovskite-like Phase of Thallium Oxide. <i>Crystal Growth and Design</i> , 2002, 2, 427-430.	1.4	7
303	Control of Pore Morphology in Mesoporous Silicas Synthesized from Triblock Copolymer Templates. <i>Langmuir</i> , 2002, 18, 4996-5001.	1.6	62
304	Preparation of ordered mesoporous ceria with enhanced thermal stability. <i>Journal of Materials Chemistry</i> , 2002, 12, 1207-1212.	6.7	124
305	Tailoring the Optical Properties of Silicon Nanowire Arrays through Strain. <i>Nano Letters</i> , 2002, 2, 811-816.	4.5	99
306	Synthesis and Characterization of Dimensionally Ordered Semiconductor Nanowires within Mesoporous Silica. <i>Journal of the American Chemical Society</i> , 2001, 123, 7010-7016.	6.6	83

#	ARTICLE	IF	CITATIONS
307	The Formation of Dimensionally Ordered Silicon Nanowires within Mesoporous Silica. Journal of the American Chemical Society, 2001, 123, 187-188.	6.6	137
308	The formation of dimensionally ordered germanium nanowires within mesoporous silica. Chemical Physics Letters, 2001, 343, 1-6.	1.2	45
309	New ceria-based catalysts for pollution abatement. Catalysis Today, 2000, 59, 387-393.	2.2	61
310	Catalytic oxidation over lanthanum-transition metal perovskite materials. Catalysis Today, 1999, 47, 123-132.	2.2	183
311	The preparation of the single-phase perovskite LaNiO <sub>3</sub> . Journal of Materials Processing Technology, 1999, 92-93, 91-96.	3.1	37
312	The magnetic and structural properties of a series of lanthanum based transition metal perovskites. Journal of Materials Processing Technology, 1999, 92-93, 118-123.	3.1	3
313	The defect chemistry of lanthana-ceria mixed oxides by MASNMR. Chemical Physics Letters, 1999, 305, 389-394.	1.2	39
314	Cobalt-zinc oxide absorbents for low temperature gas desulfurisation. Journal of Materials Chemistry, 1999, 9, 599-605.	6.7	62
315	Characterisation of cobalt-zinc hydroxycarbonates and their products of decomposition. Journal of Materials Chemistry, 1997, 7, 319-330.	6.7	62
316	Production of low oxygen contamination orthorhombic Ti-Al-Nb intermetallic foil. Scripta Materialia, 1996, 35, 175-180.	2.6	5
317	Changes in microstructure and catalytic activity effected by redox cycling of rhodium upon CeO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> . Studies in Surface Science and Catalysis, 1995, , 237-248.	1.5	5
318	Conditions in which Cu-ZSM-5 outperforms supported vanadia catalysts in SCR of NO <sub>x</sub> by NH <sub>3</sub> . Applied Catalysis B: Environmental, 1995, 7, 137-151.	10.8	86
319	Microstructural and oxygen-handling characteristics of CeO <sub>2</sub> with M <sub>3</sub> +promoters. Part 1. Characterization of calcined powders by XRD and oxygen-isotope exchange. Journal of Materials Chemistry, 1995, 5, 1027-1033.	6.7	13
320	X-ray photoelectron spectroscopic study of the oxidation and reduction of a cerium(III) oxide/cerium foil substrate. Catalysis Letters, 1994, 23, 13-24.	1.4	72
321	Lattice parameter changes in the mixed-oxide system Ce <sub>1-x</sub> La <sub>x</sub> O <sub>2-x/2</sub> : a combined experimental and theoretical study. Journal of Materials Chemistry, 1993, 3, 1007-1013.	6.7	61
322	Spectroscopic observation of a catalyst surface in a reactive atmosphere at high pressure. Nature, 1992, 358, 658-660.	13.7	32
323	Synthesis and properties of polyethersulphone-polydimethylsiloxane block copolymers. Journal of Polymer Science Part A, 1991, 29, 193-200.	2.5	15
324	Properties and economics of reclaimed long fibre thermoplastic composites. Composites Manufacturing, 1990, 1, 85-89.	0.4	7

#	ARTICLE	IF	CITATIONS
325	A versatile in situ apparatus for X-ray absorption spectroscopy. Vacuum, 1988, 38, 929-932.	1.6	4
326	The reactive chemisorption of carbon dioxide at magnesium and copper surfaces at low temperature. Catalysis Letters, 1988, 1, 11-19.	1.4	115
327	Sims study of absorbates. Surface Science, 1987, 180, 633-646.	0.8	10
328	Surface-atom core-level binding-energy shifts for Cu(100). Physical Review B, 1984, 29, 5957-5959.	1.1	15
329	A miniaturised modular platform for wireless sensor networks. , 0, , .		9
330	Simulating piezoelectric transformers for lighting applications. , 0, , .		0
331	Electrochemical sensing based on nanopatterned functional surfaces. SPIE Newsroom, 0, , .	0.1	0
332	Block Copolymer Templated WO <sub>3</sub> Surface Nanolines as Catalysts for Enhanced Epinephrine Sensing and the Oxygen Evolution Reaction. ChemElectroChem, 0, , .	1.7	1
333	Fabrication of High- $\epsilon^*$ Dielectric Metal Oxide Films on Topographically Patterned Substrates: Polymer Brush-Mediated Depositions. ACS Applied Materials & Interfaces, 0, , .	4.0	1