

Bryan D Vogt

List of Publications by Year in descending order

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docs citations

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times ranked

8506
citing authors

#	ARTICLE	IF	CITATIONS
1	Size and print path effects on mechanical properties of material extrusion 3D printed plastics. Progress in Additive Manufacturing, 2022, 7, 1009-1021.	4.8	16
2	Patterned Hydrophilic Patches on Slippery Surfaces with Anticounterfeit Applications. ACS Applied Polymer Materials, 2022, 4, 100-110.	4.4	6
3	Delayed Swelling and Dissolution of Hydrophobically Associated Hydrogel Coatings by Dilute Aqueous Surfactants. ACS Applied Polymer Materials, 2022, 4, 250-259.	4.4	3
4	Influence of the Nature of Aliphatic Hydrophobic Physical Crosslinks on Water Crystallization in Copolymer Hydrogels. Journal of Physical Chemistry B, 2022, 126, 5544-5554.	2.6	1
5	Ultrafast microwave-assisted synthesis of highly nitrogen-doped ordered mesoporous carbon. Microporous and Mesoporous Materials, 2021, 310, 110639.	4.4	16
6	4D printed shape memory metamaterial for vibration bandgap switching and active elastic-wave guiding. Journal of Materials Chemistry C, 2021, 9, 1164-1173.	5.5	29
7	Water dynamics within nanostructured amphiphilic statistical copolymers from quasielastic neutron scattering. Journal of Chemical Physics, 2021, 154, 154903.	3.0	3
8	Enhanced Dimensional Accuracy of Material Extrusion 3D-Printed Plastics through Filament Architecture. ACS Applied Polymer Materials, 2021, 3, 2518-2528.	4.4	14
9	Why is Recycling of Postconsumer Plastics so Challenging?. ACS Applied Polymer Materials, 2021, 3, 4325-4346.	4.4	120
10	Microwave-Enabled Size Control of Iron Oxide Nanoparticles on Reduced Graphene Oxide. Langmuir, 2021, 37, 11131-11141.	3.5	5
11	Gaussian Process Monitoring of Layerwise-Dependent Imaging Data. IEEE Robotics and Automation Letters, 2021, 6, 8029-8036.	5.1	9
12	Controlling nanostructure and mechanical properties in triblock copolymer/monomer blends via reaction-induced phase transitions. Soft Matter, 2021, 17, 1505-1512.	2.7	8
13	Sodium dodecyl sulfate modulates the structure and rheological properties of Pluronic F108 - poly(acrylic acid) coacervates. Soft Matter, 2021, , .	2.7	0
14	Non-destructive determination of functionalized polyelectrolyte placement in layer-by-layer films by IR ellipsometry. Soft Matter, 2021, 17, 10527-10535.	2.7	1
15	Kinetically controlled morphology in copolymer-based hydrogels crosslinked by crystalline nanodomains determines efficacy of ice inhibition. Molecular Systems Design and Engineering, 2020, 5, 645-655.	3.4	6
16	Tuning Flexoelectric Effect in Polymer Electrolyte Membranes via Cation Selection for Potential Energy Harvesting Applications. ACS Applied Energy Materials, 2020, 3, 328-335.	5.1	12
17	A Virtual Special Issue on Self-Healing Materials. ACS Applied Materials & Interfaces, 2020, 12, 49277-49280.	8.0	13
18	A Virtual Issue of Applied Polymer Materials: "3D Printing of Polymers". ACS Applied Polymer Materials, 2020, 2, 2102-2104.	4.4	3

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19	Aqueous polypropylene glycol induces swelling and severe plasticization of high γ -amphiphilic copolymers containing hexafluoroisopropanol groups. <i>Soft Matter</i> , 2020, 16, 6362-6370.	2.7	2
20	Mechanisms of Directional Polymer Crystallization. <i>ACS Macro Letters</i> , 2020, 9, 1007-1012.	4.8	11
21	Microwave Processing Controls the Morphology of Block Copolymer-Templated Mesoporous Cobalt Oxide Films. <i>Langmuir</i> , 2020, 36, 1288-1297.	3.5	3
22	Forum: Toughening of Networks and Gel Through Molecular Design. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1014-1015.	4.4	0
23	Hydrophobically Associating Hydrogels with Microphase-Separated Morphologies. <i>Advances in Polymer Science</i> , 2020, , 165-209.	0.8	2
24	Li-Ion Capacitor Integrated with Nano-network-Structured Ni/NiO/C Anode and Nitrogen-Doped Carbonized Metal-Organic Framework Cathode with High Power and Long Cyclability. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30694-30702.	8.0	46
25	Manipulating the Mechanical Response of Hydrophobically Cross-Linked Hydrogels with Ionic Associations. <i>Macromolecules</i> , 2019, 52, 6055-6067.	4.8	14
26	Tuning Cooperative Assembly with Bottlebrush Block Co-polymers for Porous Metal Oxide Films Using Solvent Mixtures. <i>Langmuir</i> , 2019, 35, 9572-9583.	3.5	4
27	A high-performance lithium-ion capacitor with carbonized NiCo ₂ O ₄ anode and vertically-aligned carbon nanoflakes cathode. <i>Energy Storage Materials</i> , 2019, 22, 265-274.	18.0	55
28	Strain rate dependent nanostructure of hydrogels with reversible hydrophobic associations during uniaxial extension. <i>Soft Matter</i> , 2019, 15, 227-236.	2.7	15
29	Microwave Processed, Onionlike Carbon and Fluoropolymer Passivated Lithium Metal Electrode for Enhanced Li Stripping/Plating Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 7933-7941.	5.1	2
30	Control of Pore Size in Ordered Mesoporous Carbon-Silica by Hansen Solubility Parameters of Swelling Agent. <i>Langmuir</i> , 2019, 35, 14049-14059.	3.5	17
31	Dramatic Swelling of Copolymer Membrane Induced by Polyol-Based Antifoam Agent. <i>ACS Applied Polymer Materials</i> , 2019, 1, 3048-3056.	4.4	3
32	Mechanically tunable, human mesenchymal stem cell viable poly(ethylene glycol)-oxime hydrogels with invariant precursor composition, concentration, and stoichiometry. <i>Materials Today Chemistry</i> , 2019, 11, 244-252.	3.5	11
33	Effect of adjacent hydrophilic polymer thin films on physical aging and residual stress in thin films of poly(butyl norbornene)-ran- α -hydroxyhexafluoroisopropyl norbornene). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 992-1000.	2.1	4
34	Tunable Piezoresistivity from Magnetically Aligned Ni(Core)@Ag(Shell) Particles in an Elastomer Matrix. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20360-20369.	8.0	13
35	Polyelectrolyte-micelle coacervates: intrapolymer-dominant vs. interpolymer-dominant association, solute uptake and rheological properties. <i>Soft Matter</i> , 2019, 15, 3043-3054.	2.7	17
36	Influence of Sodium Salts on the Swelling and Rheology of Hydrophobically Cross-linked Hydrogels Determined by QCM-D. <i>Langmuir</i> , 2019, 35, 16612-16623.	3.5	10

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37	Antifreeze Hydrogels from Amphiphilic Statistical Copolymers. Chemistry of Materials, 2019, 31, 135-145.	6.7	39
38	Morphological control of hydrothermally synthesized cobalt oxide particles using poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T	2.1	8
39	3D Printing with Core-Shell Filaments Containing High or Low Density Polyethylene Shells. ACS Applied Polymer Materials, 2019, 1, 275-285.	4.4	58
40	Quantitative Rheometry of Thin Soft Materials Using the Quartz Crystal Microbalance with Dissipation. Analytical Chemistry, 2018, 90, 4079-4088.	6.5	65
41	Enhanced Impact Resistance of Three-Dimensional-Printed Parts with Structured Filaments. ACS Applied Materials & Interfaces, 2018, 10, 16087-16094.	8.0	41
42	Swelling and plasticization of polymeric binders by Li-containing carbonate electrolytes using quartz crystal microbalance with dissipation. Polymer, 2018, 143, 237-244.	3.8	23
43	Enhanced stability of smoothly electrodeposited amorphous $\text{Fe}_{2.3}\text{O}_3$ @electrospun carbon nanofibers as self-standing anodes for lithium ion batteries. New Journal of Chemistry, 2018, 42, 1867-1878.	2.8	20
44	Thickness dependence of structural relaxation in spin-coated polynorbornene films with high glass transition temperatures ($>613^\circ\text{K}$). Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 53-61.	2.1	6
45	Mechanical and viscoelastic properties of confined amorphous polymers. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 9-30.	2.1	64
46	Impact of surface wettability on dynamics of supercooled water confined in nitrogen-doped ordered mesoporous carbon. Physical Chemistry Chemical Physics, 2018, 20, 28019-28025.	2.8	12
47	Nonlinear Mechano-Optical Behavior and Strain-Induced Structural Changes of Valine-Based Poly(ester urea)s. Macromolecules, 2018, 51, 8114-8126.	4.8	3
48	Self-assembled $\text{Mn}_3\text{O}_4/\text{C}$ nanospheres as high-performance anode materials for lithium ion batteries. Journal of Power Sources, 2018, 395, 92-97.	7.8	26
49	Complex flow and temperature history during melt extrusion in material extrusion additive manufacturing. Additive Manufacturing, 2018, 22, 197-206.	3.0	69
50	Thickness Limit for Alignment of Block Copolymer Films Using Solvent Vapor Annealing with Shear. Macromolecules, 2018, 51, 4213-4219.	4.8	12
51	Anomalous Confinement Slows Surface Fluctuations of Star Polymer Melt Films. ACS Macro Letters, 2018, 7, 834-839.	4.8	10
52	Sulfur Diffusion within Nitrogen-Doped Ordered Mesoporous Carbons Determined by in Situ X-ray Scattering. Langmuir, 2018, 34, 8767-8776.	3.5	13
53	Mechanical properties of bulk graphene oxide/poly(acrylic acid)/poly(ethylenimine) ternary polyelectrolyte complex. Soft Matter, 2018, 14, 4396-4403.	2.7	8
54	Renewable Nanocomposites for Additive Manufacturing Using Fused Filament Fabrication. ACS Sustainable Chemistry and Engineering, 2018, 6, 12393-12402.	6.7	17

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55	Operando Grazing Incidence Small-Angle X-ray Scattering/X-ray Diffraction of Model Ordered Mesoporous Lithium-Ion Battery Anodes. ACS Nano, 2017, 11, 1443-1454.	14.6	42
56	A family of mechanically adaptive supramolecular graphene oxide/poly(ethylenimine) hydrogels from aqueous assembly. Soft Matter, 2017, 13, 1161-1170.	2.7	10
57	A binary metal organic framework derived hierarchical hollow Ni ₃ S ₂ /Co ₉ S ₈ /N-doped carbon composite with superior sodium storage performance. Journal of Materials Chemistry A, 2017, 5, 11781-11787.	10.3	110
58	Transport-Limited Adsorption of Plasma Proteins on Bimodal Amphiphilic Polymer Co-Networks: Real-Time Studies by Spectroscopic Ellipsometry. Langmuir, 2017, 33, 2900-2910.	3.5	12
59	Cooperatively assembled, nitrogen-doped, ordered mesoporous carbon/iron oxide nanocomposites for low-cost, long cycle life sodium-ion batteries. Carbon, 2017, 116, 286-293.	10.3	40
60	Nanostructure Evolution during Relaxation from a Large Step Strain in a Supramolecular Copolymer-Based Hydrogel: A SANS Investigation. Macromolecules, 2017, 50, 1672-1680.	4.8	27
61	Structural rearrangement and stiffening of hydrophobically modified supramolecular hydrogels during thermal annealing. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1036-1044.	2.1	16
62	Partitioning of Small Molecules in Hydrogen-Bonding Complex Coacervates of Poly(acrylic acid) and Poly(ethylene glycol) or Pluronic Block Copolymer. Macromolecules, 2017, 50, 3818-3830.	4.8	37
63	High Efficiency and Facile Butanol Recovery with Magnetically Responsive Micro/Mesoporous Carbon Adsorbents. ACS Sustainable Chemistry and Engineering, 2017, 5, 885-894.	6.7	19
64	Enhanced Cycle Performance of Quinone-Based Anodes for Sodium Ion Batteries by Attachment to Ordered Mesoporous Carbon and Use of Ionic Liquid Electrolyte. Journal of the Electrochemical Society, 2017, 164, H5093-H5099.	2.9	29
65	Ultra-long cycle life, low-cost room temperature sodium-sulfur batteries enabled by highly doped (N,S) nanoporous carbons. Nano Energy, 2017, 32, 59-66.	16.0	178
66	Rapid assessment of crystal orientation in semi-crystalline polymer films using rotational zone annealing and impact of orientation on mechanical properties. Soft Matter, 2017, 13, 7074-7084.	2.7	5
67	Bimodal Porous Carbon-Silica Nanocomposites for Li-Ion Batteries. Journal of Physical Chemistry C, 2017, 121, 16702-16709.	3.1	19
68	Generalized Synthesis of a Family of Highly Heteroatom-Doped Ordered Mesoporous Carbons. Chemistry of Materials, 2017, 29, 10178-10186.	6.7	74
69	Solid state microwave synthesis of highly crystalline ordered mesoporous hausmannite Mn ₃ O ₄ films. CrystEngComm, 2017, 19, 4294-4303.	2.6	14
70	Influence of RAFT end-groups on the water swelling of poly(N- ϵ -propyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	2
71	Three-Dimensional Printed Shape Memory Objects Based on an Olefin Ionomer of Zinc-Neutralized Poly(ethylene-co-methacrylic acid). ACS Applied Materials & Interfaces, 2017, 9, 27239-27249.	8.0	58
72	Hierarchical Electrospun and Cooperatively Assembled Nanoporous Ni/NiO/MnO _x /Carbon Nanofiber Composites for Lithium Ion Battery Anodes. ACS Applied Materials & Interfaces, 2016, 8, 19484-19493.	8.0	36

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73	Modulation of the Mechanical Properties of Hydrophobically Modified Supramolecular Hydrogels by Surfactant-Driven Structural Rearrangement. <i>Macromolecules</i> , 2016, 49, 9228-9238.	4.8	21
74	Salt-responsive polyzwitterionic materials for surface regeneration between switchable fouling and antifouling properties. <i>Acta Biomaterialia</i> , 2016, 40, 62-69.	8.3	74
75	Role of Amphiphilic Block Copolymer Composition on Pore Characteristics of Micelle-Templated Mesoporous Cobalt Oxide Films. <i>Langmuir</i> , 2016, 32, 4077-4085.	3.5	24
76	Role of salt on adhesion of an epoxy/aluminum (oxide) interface in aqueous environments. <i>Polymer Engineering and Science</i> , 2016, 56, 18-26.	3.1	6
77	Tough Stretchable Physically-Cross-linked Electrospun Hydrogel Fiber Mats. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 22774-22779.	8.0	32
78	Accelerated Amidization of Branched Poly(ethylenimine)/Poly(acrylic acid) Multilayer Films by Microwave Heating. <i>Langmuir</i> , 2016, 32, 9118-9125.	3.5	14
79	A nitrogen doped carbonized metal-organic framework for high stability room temperature sodium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12471-12478.	10.3	153
80	Supramolecular Hydrophobic Aggregates in Hydrogels Partially Inhibit Ice Formation. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5543-5552.	2.6	29
81	Evolution in surface morphology during rapid microwave annealing of PS-b-PMMA thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1499-1506.	2.1	12
82	Roll-to-roll fabrication of high surface area mesoporous carbon with process-tunable pore texture for optimization of adsorption capacity of bulky organic dyes. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 57-64.	4.4	34
83	Contraction of weak polyelectrolyte multilayers in response to organic solvents. <i>Soft Matter</i> , 2016, 12, 1859-1867.	2.7	17
84	Control of Mesh Size and Modulus by Kinetically Dependent Cross-Linking in Hydrogels. <i>Advanced Materials</i> , 2015, 27, 6283-6288.	21.0	47
85	Facile non-lithographic route to highly aligned silica nanopatterns using unidirectionally aligned polystyrene-b-polydimethylsiloxane films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1058-1064.	2.1	11
86	Rapid (<3 min) microwave synthesis of block copolymer templated ordered mesoporous metal oxide and carbonate films using nitrate-citric acid systems. <i>Chemical Communications</i> , 2015, 51, 4997-5000.	4.1	15
87	Tuning SEI formation on nanoporous carbon-titania composite sodium ion batteries anodes and performance with subtle processing changes. <i>RSC Advances</i> , 2015, 5, 99329-99338.	3.6	23
88	Large-Scale Solvent Driven Actuation of Polyelectrolyte Multilayers Based on Modulation of Dynamic Secondary Interactions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1848-1858.	8.0	37
89	Large-Scale Roll-to-Roll Fabrication of Ordered Mesoporous Materials using Resol-Assisted Cooperative Assembly. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 4306-4310.	8.0	43
90	Understanding the Decreased Segmental Dynamics of Supported Thin Polymer Films Reported by Incoherent Neutron Scattering. <i>Macromolecules</i> , 2015, 48, 801-808.	4.8	53

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91	Mechanisms of criticality in environmental adhesion loss. <i>Soft Matter</i> , 2015, 11, 3994-4001.	2.7	23
92	Impact of Nanostructure on Mechanical Properties of Norbornene-based Block Copolymers under Simulated Operating Conditions for Biobutanol Membranes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11765-11774.	8.0	12
93	Cooperative Assembly of Metal Nitrate and Citric Acid with Block Copolymers: Role of Carbonate Conversion Temperature on the Mesostructure of Ordered Porous Oxides. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12138-12148.	3.1	11
94	Substrate Temperature to Control Moduli and Water Uptake in Thin Films of Vapor Deposited $\langle i \rangle N,N \langle /i \rangle \text{-Di(1-naphthyl)-} \langle i \rangle N,N \langle /i \rangle \text{-diphenyl-(1,1} \langle /i \rangle \text{-biphenyl)-4,4} \langle /i \rangle \text{-diamine (NPD)}$. <i>Journal of Physical Chemistry B</i> , 2015, 119, 11928-11934.	2.6	13
95	Controlled Directional Crystallization of Oligothiophenes Using Zone Annealing of Preseeded Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23008-23014.	8.0	7
96	Direct Immersion Annealing of Thin Block Copolymer Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21639-21645.	8.0	48
97	Nanoporous block copolymer films using highly selective solvents and non-solvent extraction. <i>Soft Matter</i> , 2015, 11, 8499-8507.	2.7	7
98	High rate sodium ion battery anodes from block copolymer templated mesoporous nickel–cobalt carbonates and oxides. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21060-21069.	10.3	23
99	Extending Dynamic Range of Block Copolymer Ordering with Rotational Cold Zone Annealing (RCZA) and Ionic Liquids. <i>Macromolecules</i> , 2015, 48, 7567-7573.	4.8	17
100	Highly aligned, large pore ordered mesoporous carbon films by solvent vapor annealing with soft shear. <i>Carbon</i> , 2015, 82, 51-59.	10.3	23
101	Structural Control in Block Copolymer-Templated Nanoporous Carbon Films. <i>ACS Symposium Series</i> , 2014, , 35-60.	0.5	0
102	Large area, flexible ordered mesoporous carbon films from soft templating on polymer substrates. <i>RSC Advances</i> , 2014, 4, 3669-3677.	3.6	7
103	Mesoporous Carbon–Vanadium Oxide Films by Resol-Assisted, Triblock Copolymer-Templated Cooperative Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19288-19298.	8.0	15
104	Fabrication of Porous Carbon/TiO ₂ Composites through Polymerization-Induced Phase Separation and Use As an Anode for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21011-21018.	8.0	77
105	Relationship between crosslinking and ordering kinetics for the fabrication of soft templated (FDU-16) mesoporous carbon thin films. <i>RSC Advances</i> , 2014, 4, 44858-44867.	3.6	18
106	A generalized method for alignment of block copolymer films: solvent vapor annealing with soft shear. <i>Soft Matter</i> , 2014, 10, 6068-6076.	2.7	58
107	Overcoming confinement limited swelling in hydrogel thin films using supramolecular interactions. <i>Soft Matter</i> , 2014, 10, 6705-6712.	2.7	21
108	Bicontinuous mesoporous carbon thin films via an order–order transition. <i>Chemical Communications</i> , 2014, 50, 12684-12687.	4.1	21

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109	Kinetics of UV Irradiation Induced Chain Scission and Cross-Linking of Coumarin-Containing Polyester Ultrathin Films. <i>Macromolecules</i> , 2014, 47, 2891-2898.	4.8	27
110	Nanoporous Nonwoven Fibril-Like Morphology by Cooperative Self-Assembly of Poly(ethylene) Terephthalate. <i>Macromolecules</i> , 2014, 47, 1109-1116.	3.5	19
111	Unidirectional Alignment of Block Copolymer Films Induced by Expansion of a Permeable Elastomer during Solvent Vapor Annealing. <i>Macromolecules</i> , 2014, 47, 1109-1116.	4.8	76
112	Comparison of flocculated and dispersed single-wall carbon nanotube-based coatings using nonionic surfactants. <i>Polymer Engineering and Science</i> , 2013, 53, 69-77.	3.1	11
113	Morphology Control in Mesoporous Carbon Films Using Solvent Vapor Annealing. <i>Langmuir</i> , 2013, 29, 3428-3438.	3.5	23
114	Amperometric sensing of norepinephrine at picomolar concentrations using screen printed, high surface area mesoporous carbon. <i>Analytica Chimica Acta</i> , 2013, 788, 32-38.	5.4	26
115	Anisotropic Mechanical Properties of Aligned Polystyrene-block-polydimethylsiloxane Thin Films. <i>Macromolecules</i> , 2013, 46, 8608-8615.	4.8	27
116	Facile control of long range orientation in mesoporous carbon films with thermal zone annealing velocity. <i>Nanoscale</i> , 2013, 5, 12440.	5.6	21
117	Unidirectional self-assembly of soft templated mesoporous carbons by zone annealing. <i>Nanoscale</i> , 2013, 5, 7928.	5.6	27
118	Flocculated carbon nanotube composites for solvent resistant soft templated microfeatures. <i>Polymer</i> , 2013, 54, 1130-1135.	3.8	6
119	Simple replica micromolding of biocompatible styrenic elastomers. <i>Lab on A Chip</i> , 2013, 13, 2773.	6.0	54
120	Control of Ordering and Structure in Soft Templated Mesoporous Carbon Films by Use of Selective Solvent Additives. <i>Langmuir</i> , 2013, 29, 8703-8712.	3.5	20
121	Tunable Wrinkle and Crease Surface Morphologies from Photoinitiated Polymerization of Furfuryl Alcohol. <i>Langmuir</i> , 2013, 29, 15083-15089.	3.5	8
122	Comparison of wet and dry etching of zinc indium oxide for thin film transistors with an inverted gate structure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2012, 30, 011505.	2.1	4
123	Impact of Homopolymer Pore Expander on the Morphology of Mesoporous Carbon Films Using Organic Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6038-6046.	3.1	17
124	Mesoporous carbon amperometric glucose sensors using inexpensive, commercial methacrylate-based binders. <i>Analytica Chimica Acta</i> , 2012, 738, 27-34.	5.4	20
125	Slow release kinetics of mitoxantrone from ordered mesoporous carbon films. <i>Microporous and Mesoporous Materials</i> , 2012, 160, 143-150.	4.4	15
126	High capacity magnetic mesoporous carbon-cobalt composite adsorbents for removal of methylene green from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 127-134.	9.4	27

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127	Impact of chain architecture (branching) on the thermal and mechanical behavior of polystyrene thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 370-377.	2.1	39
128	Photoinitiator surface segregation induced instabilities from polymerization of a liquid coating on a rigid substrate. <i>Soft Matter</i> , 2012, 8, 5225.	2.7	36
129	Finite element modeling of temporary bonding systems for flexible microelectronics fabrication. <i>Microelectronic Engineering</i> , 2012, 94, 18-25.	2.4	5
130	Rapid adsorption of alcohol biofuels by high surface area mesoporous carbons. <i>Microporous and Mesoporous Materials</i> , 2012, 148, 107-114.	4.4	56
131	Impact of Film Thickness on the Morphology of Mesoporous Carbon Films Using Organic/Organic Self-Assembly. <i>Langmuir</i> , 2011, 27, 5607-5615.	3.5	26
132	Gradient Solvent Vapor Annealing of Block Copolymer Thin Films Using a Microfluidic Mixing Device. <i>Nano Letters</i> , 2011, 11, 1351-1357.	9.1	93
133	Ordered Mesoporous Carbon Composite Films Containing Cobalt Oxide and Vanadia for Electrochemical Applications. <i>Chemistry of Materials</i> , 2011, 23, 2869-2878.	6.7	92
134	Influence of Chain Stiffness on Thermal and Mechanical Properties of Polymer Thin Films. <i>Macromolecules</i> , 2011, 44, 9040-9045.	4.8	77
135	Distribution of hydrogen in low temperature passivated amorphous silicon (a-Si:H) films from neutron reflectivity. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1114-1117.	3.1	4
136	Impact of adhesive rheology on stress-distortion of bonded plastic substrates for flexible electronics applications. <i>Microelectronic Engineering</i> , 2011, 88, 2852-2856.	2.4	8
137	Control of Threshold Voltage and Saturation Mobility Using Dual-Active-Layer Device Based on Amorphous Mixed Metal/Oxide Semiconductor on Flexible Plastic Substrates. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 3428-3434.	3.0	47
138	Thickness dependent modulus of vacuum deposited organic molecular glasses for organic electronics applications. <i>Soft Matter</i> , 2011, 7, 7269.	2.7	17
139	Evolution of mechanical, optical and electrical properties of self-assembled mesostructured phenolic resins during carbonization. <i>Microporous and Mesoporous Materials</i> , 2011, 138, 86-93.	4.4	17
140	High performance bulk-heterojunction organic solar cells fabricated with non-halogenated solvent processing. <i>Organic Electronics</i> , 2011, 12, 1465-1470.	2.6	91
141	Slip-stick wetting and large contact angle hysteresis on wrinkled surfaces. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 825-831.	9.4	27
142	Solubility of non-ionic poly(fluorooxetane)-block-(ethylene oxide)-block-(fluorooxetane) surfactants in carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2011, 57, 95-100.	3.2	3
143	Anomalous Behavior of Polystyrene Blends Using Thermally Induced Surface Wrinkling. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1301, 3.	0.1	0
144	Impact of molecular mass on the elastic modulus of thin polystyrene films. <i>Polymer</i> , 2010, 51, 4211-4217.	3.8	70

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145	Impact of nanopore morphology on cell viability on mesoporous polymer and carbon surfaces. <i>Acta Biomaterialia</i> , 2010, 6, 3035-3043.	8.3	17
146	Impact of low-molecular mass components (oligomers) on the glass transition in thin films of poly(methyl methacrylate). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 2366-2370.	2.1	20
147	Temporary bond-debond process for manufacture of flexible electronics: Impact of adhesive and carrier properties on performance. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	27
148	Manipulation of the Elastic Modulus of Polymers at the Nanoscale: Influence of UV-Ozone Cross-Linking and Plasticizer. <i>ACS Nano</i> , 2010, 4, 5357-5365.	14.6	37
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