Gleason Kk

List of Publications by Year
in descending order

360 papers	20,607 citations	10650 74 h-index	19470 122 g-index
392 all docs	392 docs citations	392 times ranked	18798 citing authors

#	Article	IF	Citations
1	Recent Progress in Conjugated Conducting and Semiconducting Polymers for Energy Devices. Energies, 2022, 15, 3661.	1.6	6
2	Conjugated polymers for flexible energy harvesting and storage devices. , 2022, , 283-311.		1
3	Optimizing the Optoelectronic Properties of Faceâ€On Oriented Poly(3,4â€Ethylenedioxythiophene) via Waterâ€Assisted Oxidative Chemical Vapor Deposition. Advanced Functional Materials, 2021, 31, 2008712.	7.8	24
4	Chemical vapour deposition. Nature Reviews Methods Primers, 2021, 1, .	11.8	244
5	Humidityâ€Initiated Gas Sensors for Volatile Organic Compounds Sensing. Advanced Functional Materials, 2021, 31, 2101310.	7.8	23
6	Waterâ€Assisted Growth: Optimizing the Optoelectronic Properties of Faceâ€On Oriented Poly(3,4â€Ethylenedioxythiophene) via Waterâ€Assisted Oxidative Chemical Vapor Deposition (Adv. Funct.) Tj ETQq0 0 0 rgBT /Overlock	7.8	2
7	Controlled Release Utilizing Initiated Chemical Vapor Deposited (iCVD) of Polymeric Nanolayers. Frontiers in Bioengineering and Biotechnology, 2021, 9, 632753.	2.0	19
8	Synthesis of surface-anchored stable zwitterionic films for inhibition of biofouling. Materials Chemistry and Physics, 2020, 239, 121971.	2.0	11
9	Toward three-dimensional hybrid inorganic/organic optoelectronics based on GaN/oCVD-PEDOT structures. Nature Communications, 2020, 11, 5092.	5.8	19
10	Fluoropolymers by initiated chemical vapor deposition (iCVD). , 2020, , 113-135.		2
11	Ultrathin Conformal oCVD PEDOT Coatings on Carbon Electrodes Enable Improved Performance of Redox Flow Batteries. Advanced Materials Interfaces, 2020, 7, 2000855.	1.9	22
12	Solvent-Less Vapor-Phase Fabrication of Membranes for Sustainable Separation Processes. Engineering, 2020, 6, 1432-1442.	3.2	12
13	Controlled formation of Schottky diodes on n-doped ZnO layers by deposition of p-conductive polymer layers with oxidative chemical vapor deposition. Nano Express, 2020, 1, 010013.	1.2	8
14	Nanoscale control by chemically vapour-deposited polymers. Nature Reviews Physics, 2020, 2, 347-364.	11.9	57
15	Texture and nanostructural engineering of conjugated conducting and semiconducting polymers. Materials Today Advances, 2020, 8, 100086.	2.5	49
16	Efficient, Flexible, and Ultraâ€Lightweight Inverted PbS Quantum Dots Solar Cells on Allâ€CVDâ€Growth of Parylene/Graphene/oCVD PEDOT Substrate with High Powerâ€perâ€Weight. Advanced Materials Interfaces, 2020, 7, 2000498.	1.9	24
17	Chemically vapor deposited polymer nanolayers for rapid and controlled permeation of molecules and ions. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	18
18	Fundamental nanoscale surface strategies for robustly controlling heterogeneous nucleation of calcium carbonate. Journal of Materials Chemistry A, 2019, 7, 17242-17247.	5.2	23

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19	Ultrathin initiated chemical vapor deposition polymer interfacial energy control for directed self-assembly hole-shrink applications. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, 061804.	0.6	3
20	Superhydrophobic 3D Porous PTFE/TiO₂ Hybrid Structures. Advanced Materials Interfaces, 2019, 6, 1801967.	1.9	19
21	Micro-/Nanoscale Approach for Studying Scale Formation and Developing Scale-Resistant Surfaces. ACS Applied Materials & Interfaces, 2019, 11, 7330-7337.	4.0	19
22	Ultrahighâ€Arealâ€Capacitance Flexible Supercapacitor Electrodes Enabled by Conformal P3MT on Horizontally Aligned Carbonâ€Nanotube Arrays. Advanced Materials, 2019, 31, e1901916.	11.1	89
23	Grafted Nanofilms Promote Dropwise Condensation of Low-Surface-Tension Fluids for High-Performance Heat Exchangers. Joule, 2019, 3, 1377-1388.	11.7	44
24	Dynamics of Liquid Transfer from Nanoporous Stamps in High-Resolution Flexographic Printing. Langmuir, 2019, 35, 7659-7671.	1.6	21
25	Superhydrophobic Surfaces: Superhydrophobic 3D Porous PTFE/TiO2 Hybrid Structures (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	0
26	Tunable polytetrafluoroethylene electret films with extraordinary charge stability synthesized by initiated chemical vapor deposition for organic electronics applications. Scientific Reports, 2019, 9, 2237.	1.6	28
27	Tuning, optimization, and perovskite solar cell device integration of ultrathin poly(3,4-ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.7	56
28	Device Fabrication Based on Oxidative Chemical Vapor Deposition (oCVD) Synthesis of Conducting Polymers and Related Conjugated Organic Materials. Advanced Materials Interfaces, 2019, 6, 1801564.	1.9	65
29	Hall of Fame Article: Device Fabrication Based on Oxidative Chemical Vapor Deposition (oCVD) Synthesis of Conducting Polymers and Related Conjugated Organic Materials (Adv. Mater. Interfaces) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	8
30	Nanostructured Unsubstituted Polythiophene Films Deposited Using Oxidative Chemical Vapor Deposition: Hopping Conduction and Thermal Stability. Advanced Materials Interfaces, 2018, 5, 1701513.	1.9	10
31	Enhancing Performance Stability of Electrochemically Active Polymers by Vaporâ€Deposited Organic Networks. Advanced Functional Materials, 2018, 28, 1706028.	7.8	13
32	Molecular engineered conjugated polymer with high thermal conductivity. Science Advances, 2018, 4, eaar3031.	4.7	165
33	Ultrathin and Conformal Initiated Chemical-Vapor-Deposited Layers of Systematically Varied Surface Energy for Controlling the Directed Self-Assembly of Block CoPolymers. Langmuir, 2018, 34, 4494-4502.	1.6	19
34	Scalable and durable polymeric icephobic and hydrate-phobic coatings. Soft Matter, 2018, 14, 3443-3454.	1.2	47
35	Growth Temperature and Electrochemical Performance in Vapor-Deposited Poly(3,4-ethylenedioxythiophene) Thin Films for High-Rate Electrochemical Energy Storage. ACS Applied Energy Materials, 2018, 1, 7093-7105.	2.5	22
36	High electrical conductivity and carrier mobility in oCVD PEDOT thin films by engineered crystallization and acid treatment. Science Advances, 2018, 4, eaat5780.	4.7	167

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37	A review of heterogeneous nucleation of calcium carbonate and control strategies for scale formation in multi-stage flash (MSF) desalination plants. Desalination, 2018, 442, 75-88.	4.0	108
38	Growth Rate and Cross-Linking Kinetics of Poly(divinyl benzene) Thin Films Formed via Initiated Chemical Vapor Deposition. Langmuir, 2018, 34, 6687-6696.	1.6	3
39	Shortâ€Fluorinated iCVD Coatings for Nonwetting Fabrics. Advanced Functional Materials, 2018, 28, 1707355.	7.8	77
40	Oxidative Chemical Vapor Deposition: Nanostructured Unsubstituted Polythiophene Films Deposited Using Oxidative Chemical Vapor Deposition: Hopping Conduction and Thermal Stability (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1	1
41	Organic fouling in surface modified reverse osmosis membranes: Filtration studies and subsequent morphological and compositional characterization. Journal of Membrane Science, 2017, 527, 152-163.	4.1	36
42	Monolithic Flexible Supercapacitors Integrated into Single Sheets of Paper and Membrane via Vapor Printing. Advanced Materials, 2017, 29, 1606091.	11.1	55
43	Room Temperature Sensing Achieved by GaAs Nanowires and oCVD Polymer Coating. Macromolecular Rapid Communications, 2017, 38, 1700055.	2.0	5
44	Synthesis of polymer bead nano-necklaces on aligned carbon nanotube scaffolds. Nanotechnology, 2017, 28, 24LT01.	1.3	10
45	Recent progress on submicron gas-selective polymeric membranes. Journal of Materials Chemistry A, 2017, 5, 8860-8886.	5.2	68
46	Stabilizing the Wettability of Initiated Chemical Vapor Deposited (iCVD) Polydivinylbenzene Thin Films by Thermal Annealing. Advanced Materials Interfaces, 2017, 4, 1700270.	1.9	26
47	Gas Selective Ultrathin Organic Covalent Networks Synthesized by iPECVD: Does the Central Metal Ion Matter?. Advanced Functional Materials, 2017, 27, 1606652.	7.8	9
48	Sub-10-nm patterning via directed self-assembly of block copolymer films with a vapour-phase deposited topcoat. Nature Nanotechnology, 2017, 12, 575-581.	15.6	155
49	CVD Polymers for Devices and Device Fabrication. Advanced Materials, 2017, 29, 1604606.	11.1	93
50	Chemical Vapor Deposition of Thin, Conductive, and Fouling-Resistant Polymeric Films. Langmuir, 2017, 33, 10623-10631.	1.6	16
51	Reversing membrane wetting in membrane distillation: comparing dryout to backwashing with pressurized air. Environmental Science: Water Research and Technology, 2017, 3, 930-939.	1.2	47
52	Stable Wettability Control of Nanoporous Microstructures by iCVD Coating of Carbon Nanotubes. ACS Applied Materials & Interfaces, 2017, 9, 43287-43299.	4.0	46
53	Organic passivation of silicon through multifunctional polymeric interfaces. Solar Energy Materials and Solar Cells, 2017, 160, 470-475.	3.0	6
54	The effects of iCVD film thickness and conformality on the permeability and wetting of MD membranes. Journal of Membrane Science, 2017, 523, 470-479.	4.1	43

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55	Vapor deposition routes to conformal polymer thin films. Beilstein Journal of Nanotechnology, 2017, 8, 723-735.	1.5	53
56	iCVD Cyclic Polysiloxane and Polysilazane as Nanoscale Thin-Film Electrolyte: Synthesis and Properties. Macromolecular Rapid Communications, 2016, 37, 446-452.	2.0	28
57	Oxidative Chemical Vapor Deposition of Neutral Hole Transporting Polymer for Enhanced Solar Cell Efficiency and Lifetime. Advanced Materials, 2016, 28, 6399-6404.	11.1	23
58	Metalâ€"Organic Covalent Network Chemical Vapor Deposition for Gas Separation. Advanced Materials, 2016, 28, 7479-7485.	11.1	34
59	Mechanics of Graded Wrinkling. Journal of Applied Mechanics, Transactions ASME, 2016, 83, .	1.1	13
60	Ultrathin high-resolution flexographic printing using nanoporous stamps. Science Advances, 2016, 2, e1601660.	4.7	89
61	Air-stable polythiophene-based thin film transistors processed using oxidative chemical vapor deposition: Carrier transport and channel/metallization contact interface. Organic Electronics, 2016, 33, 253-262.	1.4	15
62	Gas Separation: Metalâ€"Organic Covalent Network Chemical Vapor Deposition for Gas Separation (Adv.) Tj ETQq0 0 0 rgBT /Overlock 1	11.1	0
63	A systematic study of the impact of hydrophobicity on the wetting of MD membranes. Journal of Membrane Science, 2016, 520, 850-859.	4.1	69
64	Chemical vapour deposition of metalloporphyrins: a simple route towards the preparation of gas separation membranes. Journal of Materials Chemistry A, 2016, 4, 18144-18152.	5.2	22
65	Polymer Thin Films and Surface Modification by Chemical Vapor Deposition: Recent Progress. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 373-393.	3.3	77
66	Functionalizable and electrically conductive thin films formed by oxidative chemical vapor deposition (oCVD) from mixtures of 3-thiopheneethanol (3TE) and ethylene dioxythiophene (EDOT). Journal of Materials Chemistry C, 2016, 4, 3403-3414.	2.7	25
67	Combining air recharging and membrane superhydrophobicity for fouling prevention in membrane distillation. Journal of Membrane Science, 2016, 505, 241-252.	4.1	87
68	Room Temperature Resistive Volatile Organic Compound Sensing Materials Based on a Hybrid Structure of Vertically Aligned Carbon Nanotubes and Conformal oCVD/iCVD Polymer Coatings. ACS Sensors, 2016, 1, 374-383.	4.0	47
69	Fabrication and Characterization of a Porous Silicon Drug Delivery System with an Initiated Chemical Vapor Deposition Temperature-Responsive Coating. Langmuir, 2016, 32, 301-308.	1.6	53
70	Durable and scalable icephobic surfaces: similarities and distinctions from superhydrophobic surfaces. Soft Matter, 2016, 12, 1938-1963.	1.2	272
71	Lowâ€Dimensional Conduction Mechanisms in Highly Conductive and Transparent Conjugated Polymers. Advanced Materials, 2015, 27, 4604-4610.	11.1	103
72	Nanoscale, conformal polysiloxane thin film electrolytes for three-dimensional battery architectures. Materials Horizons, 2015, 2, 309-314.	6.4	34

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73	Investigation into the Formation and Adhesion of Cyclopentane Hydrates on Mechanically Robust Vapor-Deposited Polymeric Coatings. Langmuir, 2015, 31, 6186-6196.	1.6	46
74	Designing Durable Vaporâ€Deposited Surfaces for Reduced Hydrate Adhesion. Advanced Materials Interfaces, 2015, 2, 1500003.	1.9	43
75	Conjugated Polymers: Low-Dimensional Conduction Mechanisms in Highly Conductive and Transparent Conjugated Polymers (Adv. Mater. 31/2015). Advanced Materials, 2015, 27, 4664-4664.	11.1	1
76	Zwitterionic Antifouling Coatings for the Purification of High-Salinity Shale Gas Produced Water. Langmuir, 2015, 31, 11895-11903.	1.6	23
77	Scale-up of oCVD: large-area conductive polymer thin films for next-generation electronics. Materials Horizons, 2015, 2, 221-227.	6.4	59
78	Surface modification of reverse osmosis membranes with zwitterionic coating for improved resistance to fouling. Desalination, 2015, 362, 93-103.	4.0	113
79	Photovoltaic effect by vapor-printed polyselenophene. Organic Electronics, 2015, 26, 55-60.	1.4	8
80	Small-Area, Resistive Volatile Organic Compound (VOC) Sensors Using Metalâ€"Polymer Hybrid Film Based on Oxidative Chemical Vapor Deposition (oCVD). ACS Applied Materials & Interfaces, 2015, 7, 16213-16222.	4.0	23
81	Linker-free grafting of fluorinated polymeric cross-linked network bilayers for durable reduction of ice adhesion. Materials Horizons, 2015, 2, 91-99.	6.4	88
82	Assessment by Ames test and comet assay of toxicity potential of polymer used to develop field-capable rapid-detection device to analyze environmental samples. Applied Nanoscience (Switzerland), 2015, 5, 763-769.	1.6	12
83	Ultrathin Zwitterionic Coatings for Roughnessâ€Independent Underwater Superoleophobicity and Gravityâ€Driven Oilâ€"Water Separation. Advanced Materials Interfaces, 2015, 2, 1400489.	1.9	68
84	Desalination by Membrane Distillation using Electrospun Polyamide Fiber Membranes with Surface Fluorination by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2015, 7, 8225-8232.	4.0	130
85	Phase transition-induced band edge engineering of BiVO ₄ to split pure water under visible light. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13774-13778.	3.3	116
86	Organic Photovoltaic Devices: Low Substrate Temperature Encapsulation for Flexible Electrodes and Organic Photovoltaics (Adv. Energy Mater. 6/2015). Advanced Energy Materials, 2015, 5, .	10.2	1
87	Waterâ€Assisted Vapor Deposition of PEDOT Thin Film. Macromolecular Rapid Communications, 2015, 36, 1283-1289.	2.0	20
88	A Group of Cyclic Siloxane and Silazane Polymer Films as Nanoscale Electrolytes for Microbattery Architectures. Macromolecules, 2015, 48, 5222-5229.	2.2	27
89	Surface modification of reverse osmosis membranes with zwitterionic coatings: A potential strategy for control of biofouling. Surface and Coatings Technology, 2015, 279, 171-179.	2.2	34
90	Low Substrate Temperature Encapsulation for Flexible Electrodes and Organic Photovoltaics. Advanced Energy Materials, 2015, 5, 1401442.	10.2	28

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91	Enhanced Optical Property with Tunable Band Gap of Crossâ€linked PEDOT Copolymers via Oxidative Chemical Vapor Deposition. Advanced Functional Materials, 2015, 25, 85-93.	7.8	55
92	Synthesis of Insulating and Semiconducting Polymer Films via Initiated Chemical Vapor Deposition. Nanoscience and Nanotechnology Letters, 2015, 7, 33-38.	0.4	2
93	Initiated Chemical Vapor Deposition and Lightâ€Responsive Crossâ€Linking of Poly(vinyl cinnamate) Thin Films. Macromolecular Rapid Communications, 2014, 35, 1345-1350.	2.0	20
94	Polymeric Interfaces: A Route Towards Sustainability Through Engineered Polymeric Interfaces (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	4
95	Conformal single-layer encapsulation of PEDOT at low substrate temperature. Applied Surface Science, 2014, 323, 2-6.	3.1	6
96	Stable Dropwise Condensation for Enhancing Heat Transfer via the Initiated Chemical Vapor Deposition (iCVD) of Grafted Polymer Films. Advanced Materials, 2014, 26, 418-423.	11.1	223
97	Cross-Linking and Ultrathin Grafted Gradation of Fluorinated Polymers Synthesized via Initiated Chemical Vapor Deposition To Prevent Surface Reconstruction. Langmuir, 2014, 30, 14189-14194.	1.6	31
98	A high performance hybrid asymmetric supercapacitor via nano-scale morphology control of graphene, conducting polymer, and carbon nanotube electrodes. Journal of Materials Chemistry A, 2014, 2, 9964-9969.	5.2	57
99	Surface-modified reverse osmosis membranes applying a copolymer film to reduce adhesion of bacteria as a strategy for biofouling control. Separation and Purification Technology, 2014, 124, 117-123.	3.9	54
100	Surface modification of seawater desalination reverse osmosis membranes: Characterization studies & performance evaluation. Desalination, 2014, 343, 128-139.	4.0	43
101	Molecular fouling resistance of zwitterionic and amphiphilic initiated chemically vapor-deposited (iCVD) thin films. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1687-1702.	1.9	16
102	Synergistic Prevention of Biofouling in Seawater Desalination by Zwitterionic Surfaces and Lowâ€Level Chlorination. Advanced Materials, 2014, 26, 1711-1718.	11.1	146
103	Optoelectronic properties of polythiophene thin films and organic TFTs fabricated by oxidative chemical vapor deposition. Journal of Materials Chemistry C, 2014, 2, 7223.	2.7	38
104	Closed Batch Initiated Chemical Vapor Deposition of Ultrathin, Functional, and Conformal Polymer Films. Langmuir, 2014, 30, 4830-4837.	1.6	19
105	Biaxially Mechanical Tuning of 2-D Reversible and Irreversible Surface Topologies through Simultaneous and Sequential Wrinkling. ACS Applied Materials & Interfaces, 2014, 6, 2850-2857.	4.0	27
106	Advanced asymmetric supercapacitor based on conducting polymer and aligned carbon nanotubes with controlled nanomorphology. Nano Energy, 2014, 9, 176-185.	8.2	93
107	Heavily Doped poly(3,4â€ethylenedioxythiophene) Thin Films with High Carrier Mobility Deposited Using Oxidative CVD: Conductivity Stability and Carrier Transport. Advanced Functional Materials, 2014, 24, 7187-7196.	7.8	49
108	Tailoring Thickness of Conformal Conducting Polymer Decorated Aligned Carbon Nanotube Electrodes for Energy Storage. Advanced Materials Interfaces, 2014, 1, 1400076.	1.9	28

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109	Revealing Amphiphilic Nanodomains of Anti-Biofouling Polymer Coatings. ACS Applied Materials & Interfaces, 2014, 6, 4705-4712.	4.0	51
110	A Route Towards Sustainability Through Engineered Polymeric Interfaces. Advanced Materials Interfaces, 2014, 1, 1400117.	1.9	37
111	Chemical Vapor Deposition for Solventâ€Free Polymerization at Surfaces. Macromolecular Chemistry and Physics, 2013, 214, 302-312.	1.1	40
112	Tunable Low Bandgap Polyisothianaphthene via Oxidative Chemical Vapor Deposition. Macromolecules, 2013, 46, 6169-6176.	2.2	17
113	Surface modification of reverse osmosis desalination membranes by thin-film coatings deposited by initiated chemical vapor deposition. Thin Solid Films, 2013, 539, 181-187.	0.8	59
114	Enhanced Cross-Linked Density by Annealing on Fluorinated Polymers Synthesized via Initiated Chemical Vapor Deposition To Prevent Surface Reconstruction. Macromolecules, 2013, 46, 6548-6554.	2.2	42
115	oCVD poly(3,4-ethylenedioxythiophene) conductivity and lifetime enhancement via acid rinse dopant exchange. Journal of Materials Chemistry A, 2013, 1, 1334-1340.	5.2	58
116	Organic Vapor Passivation of Silicon at Room Temperature. Advanced Materials, 2013, 25, 2078-2083.	11.1	37
117	Super-Hydrophobic and Oloephobic Crystalline Coatings by Initiated Chemical Vapor Deposition. Physics Procedia, 2013, 46, 56-61.	1.2	21
118	Design of Ordered Wrinkled Patterns with Dynamically Tuned Properties. Physics Procedia, 2013, 46, 40-45.	1.2	4
119	Hybrid supercapacitor materials from poly(3,4-ethylenedioxythiophene) conformally coated aligned carbon nanotubes. Electrochimica Acta, 2013, 112, 522-528.	2.6	36
120	Fabrication of a Microscale Device for Detection of Nitroaromatic Compounds. Journal of Microelectromechanical Systems, 2013, 22, 54-61.	1.7	8
121	Controllable Cross-Linking of Vapor-Deposited Polymer Thin Films and Impact on Material Properties. Macromolecules, 2013, 46, 1832-1840.	2.2	48
122	The application of oxidative chemical vapor deposited (oCVD) PEDOT to textured and non-planar photovoltaic device geometries for enhanced light trapping. Organic Electronics, 2013, 14, 2257-2268.	1.4	29
123	25th Anniversary Article: CVD Polymers: A New Paradigm for Surface Modifi cation and Device Fabrication. Advanced Materials, 2013, 25, 5392-5423.	11.1	211
124	Thin Films: Organic Vapor Passivation of Silicon at Room Temperature (Adv. Mater. 14/2013). Advanced Materials, 2013, 25, 2077-2077.	11.1	0
125	Mechanically robust silica-like coatings deposited by microwave plasmas for barrier applications. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, 061502.	0.9	9
126	Global and local planarization of surface roughness by chemical vapor deposition of organosilicon polymer for barrier applications. Journal of Applied Physics, 2012, 111, 073516.	1.1	32

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127	Surface Micropatterning: Deterministic Order in Surface Micro-Topologies through Sequential Wrinkling (Adv. Mater. 40/2012). Advanced Materials, 2012, 24, 5440-5440.	11.1	2
128	Cathode buffer layers based on vacuum and solution deposited poly(3,4-ethylenedioxythiophene) for efficient inverted organic solar cells. Applied Physics Letters, 2012, 100, .	1.5	25
129	Systematic control of mesh size in hydrogels by initiated chemical vapor deposition. Soft Matter, 2012, 8, 2890.	1.2	32
130	Low band gap conformal polyselenophene thin films by oxidative chemical vapor deposition. Journal of Materials Chemistry, 2012, 22, 405-410.	6.7	27
131	High aspect ratio, functionalizable conducting copolymer nanobundles. Journal of Materials Chemistry, 2012, 22, 17147.	6.7	9
132	Design of conformal, substrate-independent surface modification for controlled proteinadsorption by chemical vapor deposition (CVD). Soft Matter, 2012, 8, 31-43.	1.2	80
133	Increasing biosensor response through hydrogel thin film deposition: Influence of hydrogel thickness. Vacuum, 2012, 86, 2102-2104.	1.6	18
134	CVD of polymeric thin films: applications in sensors, biotechnology, microelectronics/organic electronics, microfluidics, MEMS, composites and membranes. Reports on Progress in Physics, 2012, 75, 016501.	8.1	152
135	Combination of iCVD and Porous Silicon for the Development of a Controlled Drug Delivery System. ACS Applied Materials & Interfaces, 2012, 4, 3566-3574.	4.0	75
136	Multijunction organic photovoltaics with a broad spectral response. Physical Chemistry Chemical Physics, 2012, 14, 14548.	1.3	14
137	Deterministic Order in Surface Microâ€Topologies through Sequential Wrinkling. Advanced Materials, 2012, 24, 5441-5446.	11.1	132
138	Initiated Chemical Vapor Depositionâ€Based Method for Patterning Polymer and Metal Microstructures on Curved Substrates. Advanced Materials, 2012, 24, 6445-6450.	11.1	31
139	Vapor phase oxidative synthesis of conjugated polymers and applications. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1329-1351.	2.4	105
140	Ultrathin Antifouling Coatings with Stable Surface Zwitterionic Functionality by Initiated Chemical Vapor Deposition (iCVD). Langmuir, 2012, 28, 12266-12274.	1.6	106
141	Co-polymer clad design for high performance athermal photonic circuits. Optics Express, 2012, 20, 20808.	1.7	13
142	Initiated PECVD of Organosilicon Coatings: A New Strategy to Enhance Monomer Structure Retention. Plasma Processes and Polymers, 2012, 9, 425-434.	1.6	33
143	Non-polydimethylsiloxane devices for oxygen-free flow lithography. Nature Communications, 2012, 3, 805.	5.8	49
144	Organic Solar Cells with Graphene Electrodes and Vapor Printed Poly(3,4-ethylenedioxythiophene) as the Hole Transporting Layers. ACS Nano, 2012, 6, 6370-6377.	7.3	81

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145	Controlling the Degree of Crystallinity and Preferred Crystallographic Orientation in Polyâ€Perfluorodecylacrylate Thin Films by Initiated Chemical Vapor Deposition. Advanced Functional Materials, 2012, 22, 2167-2176.	7.8	58
146	Grafted Crystalline Polyâ€Perfluoroacrylate Structures for Superhydrophobic and Oleophobic Functional Coatings. Advanced Materials, 2012, 24, 4534-4539.	11.1	77
147	The Design and Synthesis of Hard and Impermeable, Yet Flexible, Conformal Organic Coatings. Advanced Materials, 2012, 24, 3692-3696.	11.1	40
148	Polymerâ€Free Nearâ€Infrared Photovoltaics with Single Chirality (6,5) Semiconducting Carbon Nanotube Active Layers. Advanced Materials, 2012, 24, 4436-4439.	11.1	171
149	Topâ€Illuminated Organic Photovoltaics on a Variety of Opaque Substrates with Vaporâ€Printed Poly(3,4â€Ethylenedioxythiophene) Top Electrodes and MoO₃ Buffer Layer. Advanced Energy Materials, 2012, 2, 1404-1409.	10.2	36
150	Solvent-free surface modification by initiated chemical vapor deposition to render plasma bonding capabilities to surfaces. Microfluidics and Nanofluidics, 2012, 12, 835-839.	1.0	7
151	Bilayer heterojunction polymer solar cells using unsubstituted polythiophene via oxidative chemical vapor deposition. Solar Energy Materials and Solar Cells, 2012, 99, 190-196.	3.0	55
152	A stimuli-responsive coaxial nanofilm for burst release. Soft Matter, 2011, 7, 638-643.	1.2	39
153	Responsive Microgrooves for the Formation of Harvestable Tissue Constructs. Langmuir, 2011, 27, 5671-5679.	1.6	57
154	Surface-Tethered Zwitterionic Ultrathin Antifouling Coatings on Reverse Osmosis Membranes by Initiated Chemical Vapor Deposition. Chemistry of Materials, 2011, 23, 1263-1272.	3.2	244
155	Insights into Thin, Thermally Responsive Polymer Layers Through Quartz Crystal Microbalance with Dissipation. Langmuir, 2011, 27, 10691-10698.	1.6	42
156	Polymeric Nanopore Membranes for Hydrophobicity-Based Separations by Conformal Initiated Chemical Vapor Deposition. Nano Letters, 2011, 11, 677-686.	4.5	138
157	Single-Step Oxidative Chemical Vapor Deposition of âˆ'COOH Functional Conducting Copolymer and Immobilization of Biomolecule for Sensor Application. Chemistry of Materials, 2011, 23, 2600-2605.	3.2	56
158	Conformal Polymeric Thin Films by Low-Temperature Rapid Initiated Chemical Vapor Deposition (iCVD) Using <i>tert</i>-Butyl Peroxybenzoate as an Initiator. ACS Applied Materials & Interfaces, 2011, 3, 2410-2416.	4.0	31
159	Novel N-isopropylacrylamide based polymer architecture for faster LCST transition kinetics. Polymer, 2011, 52, 4429-4434.	1.8	40
160	Functional Nanotube Membranes for Hydrophobicity-Based Separations by Initiated Chemical Vapor Deposition (iCVD). ACS Symposium Series, 2011, , 39-50.	0.5	2
161	High Surface Area Flexible Chemiresistive Biosensor by Oxidative Chemical Vapor Deposition. Advanced Functional Materials, 2011, 21, 4328-4337.	7.8	58
162	Biosensors: High Surface Area Flexible Chemiresistive Biosensor by Oxidative Chemical Vapor Deposition (Adv. Funct. Mater. 22/2011). Advanced Functional Materials, 2011, 21, 4327-4327.	7.8	0

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