Jean M J FrÃ©chet

List of Publications by Year
in descending order

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740 papers	93,945 citations	139 158 h-index	418 276 g-index
760 all docs	760 docs citations	760 times ranked	49176 citing authors

#	Article	IF	Citations
1	Reduction TriggeredIn SituPolymerization in Living Mice. Journal of the American Chemical Society, 2020, 142, 15575-15584.	6.6	42
2	On the Molecular Origin of Charge Separation at the Donorâ€“Acceptor Interface. Advanced Energy Materials, 2018, 8, 1702232.	10.2	51
3	Organic Semiconductor-Containing Supramolecules: Effect of Small Molecule Crystallization and Molecular Packing. Macromolecules, 2016, 49, 833-843.	2.2	9
4	The effect of polymer backbone chemistry on the induction of the accelerated blood clearance in polymer modified liposomes. Journal of Controlled Release, 2015, 213, 1-9.	4.8	148
5	Controlling Solutionâ€Phase Polymer Aggregation with Molecular Weight and Solvent Additives to Optimize Polymerâ€Fullerene Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2014, 4, 1301733.	10.2	194
6	A Mechanistic Understanding of Processing Additiveâ€Induced Efficiency Enhancement in Bulk Heterojunction Organic Solar Cells. Advanced Materials, 2014, 26, 300-305.	11.1	145
7	On the Efficiency of Charge Transfer State Splitting in Polymer:Fullerene Solar Cells. Advanced Materials, 2014, 26, 2533-2539.	11.1	106
8	Organic Solar Cells: On the Efficiency of Charge Transfer State Splitting in Polymer:Fullerene Solar Cells (Adv. Mater. 16/2014). Advanced Materials, 2014, 26, 2607-2607.	11.1	0
9	Decacyclene Triimides: Paving the Road to Universal Nonâ€Fullerene Acceptors for Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1301007.	10.2	57
10	Efficient charge generation by relaxed charge-transfer states at organic interfaces. Nature Materials, 2014, 13, 63-68.	13.3	667
11	In Situ and Real-Time Atomic Force Microscopy Studies of the Stability of Oligothiophene Langmuirâ€“Blodgett Monolayers in Liquid. Journal of Physical Chemistry C, 2014, 118, 5789-5795.	1.5	2
12	The influence of microstructure on charge separation dynamics in organic bulk heterojunction materials for solar cell applications. Journal of Materials Chemistry A, 2014, 2, 6218-6230.	5.2	48
13	Solutionâ€Processed, Molecular Photovoltaics that Exploit Hole Transfer from Nonâ€Fullerene, nâ€Type Materials. Advanced Materials, 2014, 26, 4313-4319.	11.1	76
14	Bulk Heterojunction Solar Cells: A Mechanistic Understanding of Processing Additive-Induced Efficiency Enhancement in Bulk Heterojunction Organic Solar Cells (Adv. Mater. 2/2014). Advanced Materials, 2014, 26, 299-299.	11.1	3
15	Improving the long-term stability of PBDTTPD polymer solar cells through material purification aimed at removing organic impurities. Energy and Environmental Science, 2013, 6, 2529.	15.6	98
16	Enhanced Solid-State Order and Field-Effect Hole Mobility through Control of Nanoscale Polymer Aggregation. Journal of the American Chemical Society, 2013, 135, 19229-19236.	6.6	194
17	Electron Transfer Dynamics of Triphenylamine Dyes Bound to TiO₂ Nanoparticles from Femtosecond Stimulated Raman Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 6990-6997.	1.5	29
18	Control of Polymer-Packing Orientation in Thin Films through Synthetic Tailoring of Backbone Coplanarity. Chemistry of Materials, 2013, 25, 4088-4096.	3.2	206

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19	Clinical developments of chemotherapeutic nanomedicines: polymers and liposomes for delivery of camptothecins and platinum (II) drugs. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 130-138.	3.3	41
20	The Importance of Fullerene Percolation in the Mixed Regions of Polymerâ€“Fullerene Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2013, 3, 364-374.	10.2	412
21	Linear Side Chains in Benzo[1,2-b:4,5-bâ€²]dithiopheneâ€“Thieno[3,4-c]pyrrole-4,6-dione Polymers Direct Self-Assembly and Solar Cell Performance. Journal of the American Chemical Society, 2013, 135, 4656-4659.	6.6	661
22	Sensitivity to Molecular Order of the Electrical Conductivity in Oligothiophene Monolayer Films. Langmuir, 2013, 29, 1206-1210.	1.6	5
23	Recombination in Polymer:Fullerene Solar Cells with Openâ€Circuit Voltages Approaching and Exceeding 1.0 V. Advanced Energy Materials, 2013, 3, 220-230.	10.2	212
24	Analysis of Lanthanide Complex Dendrimer Conjugates for Bimodal NIR and MRI Imaging. Macromolecules, 2012, 45, 8982-8990.	2.2	36
25	Degradable Dextran Particles for Gene Delivery Applications. Australian Journal of Chemistry, 2012, 65, 15.	0.5	18
26	A Quantitative Correlation between the Mobility and Crystallinity of Photo-Cross-Linkable P3HT. Macromolecules, 2012, 45, 3057-3062.	2.2	46
27	Branched Polymeric Media: Perchlorate-Selective Resins from Hyperbranched Polyethyleneimine. Environmental Science & Technology, 2012, 46, 10718-10726.	4.6	27
28	Self-Assembly and Photomechanical Switching of an Azobenzene Derivative on GaAs(110): Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2012, 116, 1052-1055.	1.5	22
29	Polyphosphonium Polymers for siRNA Delivery: An Efficient and Nontoxic Alternative to Polyammonium Carriers. Journal of the American Chemical Society, 2012, 134, 1902-1905.	6.6	122
30	Aerosolized Antimicrobial Agents Based on Degradable Dextran Nanoparticles Loaded with Silver Carbene Complexes. Molecular Pharmaceutics, 2012, 9, 3012-3022.	2.3	49
31	Small Molecule-Guided Thermoresponsive Supramolecular Assemblies. Macromolecules, 2012, 45, 8292-8299.	2.2	36
32	Side-Chain Tunability of Furan-Containing Low-Band-Gap Polymers Provides Control of Structural Order in Efficient Solar Cells. Journal of the American Chemical Society, 2012, 134, 2180-2185.	6.6	458
33	Conjugation Chemistry through Acetals toward a Dextran-Based Delivery System for Controlled Release of siRNA. Journal of the American Chemical Society, 2012, 134, 15840-15848.	6.6	82
34	Solvent-Resistant Organic Transistors and Thermally Stable Organic Photovoltaics Based on Cross-linkable Conjugated Polymers. Chemistry of Materials, 2012, 24, 215-221.	3.2	154
35	Preparation of porous polymer monoliths featuring enhanced surface coverage with gold nanoparticles. Journal of Chromatography A, 2012, 1261, 121-128.	1.8	115
36	Effect of reaction conditions on film morphology of polyaniline composite membranes for gas separation. Journal of Polymer Science Part A, 2012, 50, 3077-3085.	2.5	21

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37	Functionalized Isothianaphthene Monomers That Promote Quinoidal Character in Donorâ€“Acceptor Copolymers for Organic Photovoltaics. Macromolecules, 2012, 45, 4069-4074.	2.2	47
38	Conjugation to Biocompatible Dendrimers Increases Lanthanide T₂ Relaxivity of Hydroxypyridinone Complexes for Magnetic Resonance Imaging. European Journal of Inorganic Chemistry, 2012, 2012, 2108-2114.	1.0	28
39	Improving T₁ and T₂ magnetic resonance imaging contrast agents through the conjugation of an esteramide dendrimer to highâ€waterâ€coordination Gd(III) hydroxypyridinone complexes. Contrast Media and Molecular Imaging, 2012, 7, 95-99.	0.4	45
40	Deep Energetic Trap States in Organic Photovoltaic Devices. Advanced Energy Materials, 2012, 2, 111-119.	10.2	61
41	A monolithic lipase reactor for biodiesel production by transesterification of triacylglycerides into fatty acid methyl esters. Biotechnology and Bioengineering, 2012, 109, 371-380.	1.7	35
42	Acid-degradable solid-walled microcapsules for pH-responsive burst-release drug delivery. Chemical Communications, 2011, 47, 665-667.	2.2	90
43	Conjugation Effects of Various Linkers on Gd(III) MRI Contrast Agents with Dendrimers: Optimizing the Hydroxypyridinonate (HOPO) Ligands with Nontoxic, Degradable Esteramide (EA) Dendrimers for High Relaxivity. Journal of the American Chemical Society, 2011, 133, 2390-2393.	6.6	90
44	Acid-Degradable Cationic Dextran Particles for the Delivery of siRNA Therapeutics. Bioconjugate Chemistry, 2011, 22, 1056-1065.	1.8	142
45	A Biocompatible Oxidation-Triggered Carrier Polymer with Potential in Therapeutics. Journal of the American Chemical Society, 2011, 133, 756-758.	6.6	348
46	Thermally Activated, Single Component Epoxy Systems. Macromolecules, 2011, 44, 6318-6325.	2.2	20
47	Porous Polymer Monoliths Functionalized through Copolymerization of a C60 Fullerene-Containing Methacrylate Monomer for Highly Efficient Separations of Small Molecules. Analytical Chemistry, 2011, 83, 9478-9484.	3.2	96
48	Electrical Transport Properties of Oligothiophene-Based Molecular Films Studied by Current Sensing Atomic Force Microscopy. Nano Letters, 2011, 11, 4107-4112.	4.5	34
49	Steric Control of the Donor/Acceptor Interface: Implications in Organic Photovoltaic Charge Generation. Journal of the American Chemical Society, 2011, 133, 12106-12114.	6.6	193
50	Mannosylated Dextran Nanoparticles: A pH-Sensitive System Engineered for Immunomodulation through Mannose Targeting. Bioconjugate Chemistry, 2011, 22, 949-957.	1.8	81
51	Molecular Design and Ordering Effects in Ï€-Functional Materials for Transistor and Solar Cell Applications. Journal of the American Chemical Society, 2011, 133, 20009-20029.	6.6	1,338
52	Synthesis and Properties of Star-Comb Polymers and Their Doxorubicin Conjugates. Bioconjugate Chemistry, 2011, 22, 617-624.	1.8	38
53	Longâ€Term Thermal Stability of Highâ€Efficiency Polymer Solar Cells Based on Photocrosslinkable Donorâ€Acceptor Conjugated Polymers. Advanced Materials, 2011, 23, 1660-1664.	11.1	157
54	A Facile Approach to Superhydrophilicâ€“Superhydrophobic Patterns in Porous Polymer Films. Advanced Materials, 2011, 23, 3030-3034.	11.1	170

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55	Efficient Small Molecule Bulk Heterojunction Solar Cells with High Fill Factors via Pyreneâ€Directed Molecular Selfâ€Assembly. Advanced Materials, 2011, 23, 5359-5363.	11.1	357
56	Chemotherapeutic Evaluation of a Synthetic Tubulysin Analogueâ€“Dendrimer Conjugate in C26 Tumor Bearing Mice. ChemMedChem, 2011, 6, 49-53.	1.6	31
57	Incorporation of carbon nanotubes in porous polymer monolithic capillary columns to enhance the chromatographic separation of small molecules. Journal of Chromatography A, 2011, 1218, 2546-2552.	1.8	172
58	Synthetic Control of Structural Order in N-Alkylthieno[3,4-c]pyrrole-4,6-dione-Based Polymers for Efficient Solar Cells. Journal of the American Chemical Society, 2010, 132, 7595-7597.	6.6	882
59	Functionalization, self-assembly, and photoswitching quenching for azobenzene derivatives adsorbed on Au(111). Journal of Chemical Physics, 2010, 133, 234707.	1.2	16
60	The Origin of Charge Localization Observed in Organic Photovoltaic Materials. Journal of the American Chemical Society, 2010, 132, 15720-15725.	6.6	39
61	Porous Polymer Monolithic Column with Surface-Bound Gold Nanoparticles for the Capture and Separation of Cysteine-Containing Peptides. Analytical Chemistry, 2010, 82, 3352-3358.	3.2	190
62	Site Isolation in Phosphorescent Bichromophoric Block Copolymers Designed for White Electroluminescence. Advanced Materials, 2010, 22, 77-82.	11.1	129
63	Acetalâ€Modified Dextran Microparticles with Controlled Degradation Kinetics and Surface Functionality for Gene Delivery in Phagocytic and Nonâ€Phagocytic Cells. Advanced Materials, 2010, 22, 3593-3597.	11.1	101
64	Polarityâ€Directed Oneâ€Pot Asymmetric Cascade Reactions Mediated by Two Catalysts in an Aqueous Buffer. Angewandte Chemie - International Edition, 2010, 49, 2393-2396.	7.2	44
65	Hypercrosslinking: New approach to porous polymer monolithic capillary columns with large surface area for the highly efficient separation of small molecules. Journal of Chromatography A, 2010, 1217, 8212-8221.	1.8	150
66	Highâ€Throughput Nearâ€Field Optical Nanoprocessing of Solutionâ€Deposited Nanoparticles. Small, 2010, 6, 1812-1821.	5.2	66
67	Strategies for developing pH sensitive fluorescent probes. Proceedings of SPIE, 2010, , .	0.8	2
68	Modular small-molecule directed nanoparticle assembly. , 2010, , .		1
69	Biological applications of fluorescence lifetime imaging beyond microscopy. Proceedings of SPIE, 2010, , .	0.8	7
70	Oligo- and Polythiophene/ZnO Hybrid Nanowire Solar Cells. Nano Letters, 2010, 10, 334-340.	4.5	381
71	Incorporation of Furan into Low Band-Gap Polymers for Efficient Solar Cells. Journal of the American Chemical Society, 2010, 132, 15547-15549.	6.6	442
72	Kevlar Functionalized Carbon Nanotubes for Next-Generation Composites. Chemistry of Materials, 2010, 22, 2164-2171.	3.2	42

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73	Determination of Photoswitching Dynamics through Chiral Mapping of Single Molecules Using a Scanning Tunneling Microscope. Physical Review Letters, 2010, 104, 178301.	2.9	51
74	Phenyl vs Alkyl Polythiophene: A Solar Cell Comparison Using a Vinazene Derivative as Acceptor. Chemistry of Materials, 2010, 22, 1673-1679.	3.2	125
75	Monolithic Superhydrophobic Polymer Layer with Photopatterned Virtual Channel for the Separation of Peptides Using Two-Dimensional Thin Layer Chromatography-Desorption Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2010, 82, 2520-2528.	3.2	70
76	Synthesis, Properties, and Electronic Applications of Size-Controlled Poly(3-hexylthiophene) Nanoparticles. Langmuir, 2010, 26, 13056-13061.	1.6	95
77	Nanostructured Organic Semiconductors via Directed Supramolecular Assembly. ACS Nano, 2010, 4, 2721-2729.	7.3	86
78	Easy Access to a Family of Polymer Catalysts from Modular Star Polymers. Journal of the American Chemical Society, 2010, 132, 2570-2572.	6.6	104
79	In Vitro Analysis of Acetalated Dextran Microparticles as a Potent Delivery Platform for Vaccine Adjuvants. Molecular Pharmaceutics, 2010, 7, 826-835.	2.3	118
80	Influence of Molecular Ordering on Electrical and Friction Properties of Ï‰-(trans-4-Stilbene)Alkylthiol Self-Assembled Monolayers on Au (111). Langmuir, 2010, 26, 16522-16528.	1.6	19
81	Quinacridone-Based Molecular Donors for Solution Processed Bulk-Heterojunction Organic Solar Cells. ACS Applied Materials & Interfaces, 2010, 2, 2679-2686.	4.0	75
82	Polymer Monoliths with Exchangeable Chemistries: Use of Gold Nanoparticles As Intermediate Ligands for Capillary Columns with Varying Surface Functionalities. Analytical Chemistry, 2010, 82, 7416-7421.	3.2	141
83	Efficient Separation of Small Molecules Using a Large Surface Area Hypercrosslinked Monolithic Polymer Capillary Column. Analytical Chemistry, 2010, 82, 1621-1623.	3.2	143
84	Cyclometalated Platinum Polymers: Synthesis, Photophysical Properties, and Photovoltaic Performance. Chemistry of Materials, 2010, 22, 1977-1987.	3.2	55
85	Solution-Processable Crystalline Platinum-Acetylide Oligomers with Broadband Absorption for Photovoltaic Cells. Chemistry of Materials, 2010, 22, 2325-2332.	3.2	97
86	Design, Synthesis, and Biological Evaluation of a Robust, Biodegradable Dendrimer. Bioconjugate Chemistry, 2010, 21, 764-773.	1.8	95
87	Bifunctional Patterning of Mixed Monolayer Surfaces Using Scanning Probe Lithography for Multiplexed Directed Assembly. Journal of the American Chemical Society, 2010, 132, 6890-6891.	6.6	42
88	Bodipy-backboned polymers as electron donor in bulk heterojunction solar cells. Chemical Communications, 2010, 46, 4148.	2.2	153
89	Axial Thiopheneâ^'Boron(subphthalocyanine) Dyads and Their Application in Organic Photovoltaics. ACS Applied Materials & Interfaces, 2010, 2, 2833-2838.	4.0	65
90	Site Isolation of Emitters within Cross-Linked Polymer Nanoparticles for White Electroluminescence. Nano Letters, 2010, 10, 1440-1444.	4.5	39

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91	Surface anchoring and dynamics of thiolated azobenzene molecules on Au(111). Journal of Chemical Physics, 2009, 131, 034707.	1.2	10
92	Solution processable boron subphthalocyanine derivatives as active materials for organic photovoltaics. Proceedings of SPIE, 2009, , .	0.8	16
93	T-Cell Activation by Antigen-Loaded pH-Sensitive Hydrogel Particles in Vivo: The Effect of Particle Size. Bioconjugate Chemistry, 2009, 20, 111-119.	1.8	74
94	Biodegradable dendritic positron-emitting nanoprobes for the noninvasive imaging of angiogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 685-690.	3.3	242
95	The influence of polymer topology on pharmacokinetics: Differences between cyclic and linear PEGylated poly(acrylic acid) comb polymers. Journal of Controlled Release, 2009, 140, 203-209.	4.8	136
96	Multifunctional Crosslinkable Iridium Complexes as Hole Transporting/Electron Blocking and Emitting Materials for Solutionâ€Processed Multilayer Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2009, 19, 1024-1031.	7.8	73
97	Porous Polymer Coatings: a Versatile Approach to Superhydrophobic Surfaces. Advanced Functional Materials, 2009, 19, 1993-1998.	7.8	308
98	Photocrosslinkable Polythiophenes for Efficient, Thermally Stable, Organic Photovoltaics. Advanced Functional Materials, 2009, 19, 2273-2281.	7.8	255
99	Inâ€column preparation of a brushâ€type chiral stationary phase using click chemistry and a silica monolith. Journal of Separation Science, 2009, 32, 21-28.	1.3	47
100	Nanoporous Polymers for Hydrogen Storage. Small, 2009, 5, 1098-1111.	5.2	373
101	Small-molecule-directed nanoparticle assembly towards stimuli-responsive nanocomposites. Nature Materials, 2009, 8, 979-985.	13.3	431
102	Increased light harvesting in dye-sensitized solar cells with energy relay dyes. Nature Photonics, 2009, 3, 406-411.	15.6	430
103	Nanostructured p-type cobalt layered double hydroxide/n-type polymer bulk heterojunction yields an inexpensive photovoltaic cell. Thin Solid Films, 2009, 517, 5722-5727.	0.8	34
104	Effect of capillary cross-section geometry and size on the separation of proteins in gradient mode using monolithic poly(butyl methacrylate-co-ethylene dimethacrylate) columns. Journal of Chromatography A, 2009, 1216, 2355-2361.	1.8	47
105	In Vivo Studies on the Effect of Co-Encapsulation of CpG DNA and Antigen in Acid-Degradable Microparticle Vaccines. Molecular Pharmaceutics, 2009, 6, 1160-1169.	2.3	70
106	Impact of Hydrogel Nanoparticle Size and Functionalization on In Vivo Behavior for Lung Imaging and Therapeutics. Molecular Pharmaceutics, 2009, 6, 1891-1902.	2.3	76
107	A Direct Route to Cyclic Organic Nanostructures via Ring-Expansion Metathesis Polymerization of a Dendronized Macromonomer. Journal of the American Chemical Society, 2009, 131, 5388-5389.	6.6	142
108	Dependence of Pharmacokinetics and Biodistribution on Polymer Architecture: Effect of Cyclic versus Linear Polymers. Journal of the American Chemical Society, 2009, 131, 3842-3843.	6.6	206

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109	Surface Tension Mediated Conversion of Light to Work. Journal of the American Chemical Society, 2009, 131, 5396-5398.	6.6	152
110	Acetalated dextran is a chemically and biologically tunable material for particulate immunotherapy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5497-5502.	3.3	259
111	Chemoselective Ligation in the Functionalization of Polysaccharide-Based Particles. Journal of the American Chemical Society, 2009, 131, 10360-10361.	6.6	64
112	Solution-Processable Î±,Ï‰-Distyryl Oligothiophene Semiconductors with Enhanced Environmental Stability. Chemistry of Materials, 2009, 21, 1927-1938.	3.2	29
113	Downscaling Limits and Confinement Effects in the Miniaturization of Porous Polymer Monoliths in Narrow Bore Capillaries. Analytical Chemistry, 2009, 81, 7390-7396.	3.2	52
114	Soluble Polymer Carriers for the Treatment of Cancer: The Importance of Molecular Architecture. Accounts of Chemical Research, 2009, 42, 1141-1151.	7.6	661
115	Synthesis and In Vivo Antitumor Efficacy of PEGylated Poly(<scp>l</scp>-lysine) Dendrimerâ^'Camptothecin Conjugates. Molecular Pharmaceutics, 2009, 6, 1562-1572.	2.3	141
116	Chemicals On Demand with Phototriggerable Microcapsules. Journal of the American Chemical Society, 2009, 131, 13586-13587.	6.6	88
117	Nanoporous, hypercrosslinked polypyrroles: effect of crosslinking moiety on pore size and selective gas adsorption. Chemical Communications, 2009, , 1526.	2.2	78
118	Solution Processing of a Small Molecule, Subnaphthalocyanine, for Efficient Organic Photovoltaic Cells. Chemistry of Materials, 2009, 21, 1413-1417.	3.2	96
119	Use of photopatterned porous polymer monoliths as passive micromixers to enhance mixing efficiency for on-chip labeling reactions. Lab on A Chip, 2009, 9, 877.	3.1	50
120	Self-Assembly of Dendronized Polymers. Journal of Physical Chemistry B, 2009, 113, 13768-13775.	1.2	12
121	All-Polymer Photovoltaic Devices of Poly(3-(4-n-octyl)-phenylthiophene) from Grignard Metathesis (GRIM) Polymerization. Journal of the American Chemical Society, 2009, 131, 14160-14161.	6.6	169
122	Self-Patterned Molecular Photoswitching in Nanoscale Surface Assemblies. Nano Letters, 2009, 9, 935-939.	4.5	31
123	Engineering NIR dyes for fluorescent lifetime contrast. , 2009, 2009, 114-7.		13
124	Effect of Addition of a Diblock Copolymer on Blend Morphology and Performance of Poly(3-hexylthiophene):Perylene Diimide Solar Cells. Chemistry of Materials, 2009, 21, 1775-1777.	3.2	171
125	Lithography-free high-resolution organic transistor arrays onÂpolymer substrate by low energy selective laser ablation ofÂinkjet-printed nanoparticle film. Applied Physics A: Materials Science and Processing, 2008, 92, 579-587.	1.1	77
126	CEC separation of peptides using a poly(hexyl acrylateâ€•co â€•1,4â€•butanediol diacrylateâ€•co) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 3875-3886.	1.3	31

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127	Polymerâ€“Fullerene Composite Solar Cells. Angewandte Chemie - International Edition, 2008, 47, 58-77.	7.2	3,926
128	Nanoscale Patterning and Electronics on Flexible Substrate by Direct Nanoimprinting of Metallic Nanoparticles. Advanced Materials, 2008, 20, 489-496.	11.1	174
129	Sulfur as a Novel Nanopatterning Material: An Ultrathin Resist and a Chemically Addressable Template for Nanocrystal Selfâ€Assembly. Advanced Materials, 2008, 20, 4526-4529.	11.1	16
130	In-line system containing porous polymer monoliths for protein digestion with immobilized pepsin, peptide preconcentration and nano-liquid chromatography separation coupled to electrospray ionization mass spectroscopy. Journal of Chromatography A, 2008, 1188, 88-96.	1.8	62
131	Monolithic porous polymer stationary phases in polyimide chips for the fast high-performance liquid chromatography separation of proteins and peptides. Journal of Chromatography A, 2008, 1200, 55-61.	1.8	104
132	Biodegradable pH-Sensing Dendritic Nanoprobes for Near-Infrared Fluorescence Lifetime and Intensity Imaging. Journal of the American Chemical Society, 2008, 130, 444-445.	6.6	121
133	One-Pot Multi-Component Asymmetric Cascade Reactions Catalyzed by Soluble Star Polymers with Highly Branched Non-Interpenetrating Catalytic Cores. Journal of the American Chemical Society, 2008, 130, 6322-6323.	6.6	273
134	Iron Complexes of Dendrimer-Appended Carboxylates for Activating Dioxygen and Oxidizing Hydrocarbons. Journal of the American Chemical Society, 2008, 130, 4352-4363.	6.6	67
135	Fully Acid-Degradable Biocompatible Polyacetal Microparticles for Drug Delivery. Bioconjugate Chemistry, 2008, 19, 911-919.	1.8	160
136	Control of Aldol Reaction Pathways of Enolizable Aldehydes in an Aqueous Environment with a Hyperbranched Polymeric Catalyst. Journal of the American Chemical Society, 2008, 130, 17287-17289.	6.6	54
137	PEGylated Dendrimers with Core Functionality for Biological Applications. Bioconjugate Chemistry, 2008, 19, 461-469.	1.8	179
138	Preparation of Size-Selective Nanoporous Polymer Networks of Aromatic Rings: Potential Adsorbents for Hydrogen Storage. Chemistry of Materials, 2008, 20, 7069-7076.	3.2	199
139	A Facile and Patternable Method for the Surface Modification of Carbon Nanotube Forests Using Perfluoroarylazides. Journal of the American Chemical Society, 2008, 130, 4238-4239.	6.6	154
140	Enhanced Cell Penetration of Acid-Degradable Particles Functionalized with Cell-Penetrating Peptides. Bioconjugate Chemistry, 2008, 19, 876-881.	1.8	48
141	Enzymatic Ligation Creates Discrete Multinanoparticle Building Blocks for Self-Assembly. Journal of the American Chemical Society, 2008, 130, 9598-9605.	6.6	90
142	Acid-Degradable Polyurethane Particles for Protein-Based Vaccines: Biological Evaluation and in Vitro Analysis of Particle Degradation Products. Molecular Pharmaceutics, 2008, 5, 876-884.	2.3	49
143	The Influence of Poly(3-hexylthiophene) Regioregularity on Fullerene-Composite Solar Cell Performance. Journal of the American Chemical Society, 2008, 130, 16324-16329.	6.6	394
144	Acetal-Derivatized Dextran: An Acid-Responsive Biodegradable Material for Therapeutic Applications. Journal of the American Chemical Society, 2008, 130, 10494-10495.	6.6	403

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145	Isolation of Discrete Nanoparticleâ˜'DNA Conjugates for Plasmonic Applications. Nano Letters, 2008, 8, 1202-1206.	4.5	159
146	Monitoring the Biodegradation of Dendritic Near-Infrared Nanoprobes by in Vivo Fluorescence Imaging. Molecular Pharmaceutics, 2008, 5, 1103-1110.	2.3	64
147	Measuring reversible photomechanical switching rates for a molecule at a surface. Applied Physics Letters, 2008, 92, .	1.5	55
148	Evaluation of new materials for plasmonic imaging lithography at 476â€,nm using near field scanning optical microscopy. Journal of Vacuum Science & Technology B, 2007, 25, 1336.	1.3	1
149	High Efficiency Organic Photovoltaics Incorporating a New Family of Soluble Fullerene Derivatives. Chemistry of Materials, 2007, 19, 2927-2929.	3.2	167
150	All-inkjet-printed flexible electronics fabrication on a polymer substrate by low-temperature high-resolution selective laser sintering of metal nanoparticles. Nanotechnology, 2007, 18, 345202.	1.3	646
151	Air stable high resolution organic transistors by selective laser sintering of ink-jet printed metal nanoparticles. Applied Physics Letters, 2007, 90, 141103.	1.5	182
152	Photopatterning Enzymes on Polymer Monoliths in Microfluidic Devices for Steady-State Kinetic Analysis and Spatially Separated Multi-Enzyme Reactions. Analytical Chemistry, 2007, 79, 6592-6598.	3.2	129
153	Influence of Alkyl Substitution Pattern in Thiophene Copolymers on Composite Fullerene Solar Cell Performance. Macromolecules, 2007, 40, 7425-7428.	2.2	97
154	Organic Semiconducting Oligomers for Use in Thin Film Transistors. Chemical Reviews, 2007, 107, 1066-1096.	23.0	1,765
155	Synthesis and Degradation of pH-Sensitive Linear Poly(amidoamine)s. Macromolecules, 2007, 40, 452-457.	2.2	130
156	Two-photon degradable supramolecular assemblies of linear-dendritic copolymers. Chemical Communications, 2007, , 2081-2082.	2.2	91
157	Rapid, Efficient Synthesis of Heterobifunctional Biodegradable Dendrimers. Journal of the American Chemical Society, 2007, 129, 6994-6995.	6.6	112
158	Room-Temperature Bonding for Plastic High-Pressure Microfluidic Chips. Analytical Chemistry, 2007, 79, 5097-5102.	3.2	80
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