Jean M J FrÃ©chet

List of Publications by Year
in descending order

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740	93,945	140 158	421 276
papers	citations	h-index	g-index

760	760	760	49176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymerâ€“Fullerene Composite Solar Cells. Angewandte Chemie - International Edition, 2008, 47, 58-77.	13.8	3,926
2	Preparation of polymers with controlled molecular architecture. A new convergent approach to dendritic macromolecules. Journal of the American Chemical Society, 1990, 112, 7638-7647.	13.7	2,314
3	Designing dendrimers for biological applications. Nature Biotechnology, 2005, 23, 1517-1526.	17.5	1,894
4	Organic Semiconducting Oligomers for Use in Thin Film Transistors. Chemical Reviews, 2007, 107, 1066-1096.	47.7	1,765
5	Convergent Dendrons and Dendrimers:â€‰ from Synthesis to Applications. Chemical Reviews, 2001, 101, 3819-3868.	47.7	1,547
6	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.	13.7	1,338
7	Dendrimers and dendritic polymers in drug delivery. Drug Discovery Today, 2005, 10, 35-43.	6.4	1,247
8	Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes. Angewandte Chemie - International Edition, 2004, 43, 3928-3932.	13.8	1,089
9	Dendritic Encapsulation of Function: Applying Nature's Site Isolation Principle from Biomimetics to Materials Science. Angewandte Chemie - International Edition, 2001, 40, 74-91.	13.8	1,020
10	Dependence of Regioregular Poly(3-hexylthiophene) Film Morphology and Field-Effect Mobility on Molecular Weight. Macromolecules, 2005, 38, 3312-3319.	4.8	1,003
11	Continuous rods of macroporous polymer as high-performance liquid chromatography separation media. Analytical Chemistry, 1992, 64, 820-822.	6.5	905
12	Controlling the Field-Effect Mobility of Regioregular Polythiophene by Changing the Molecular Weight. Advanced Materials, 2003, 15, 1519-1522.	21.0	899
13	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.	13.7	882
14	Discovery of dendrimers and dendritic polymers: A brief historical perspective*. Journal of Polymer Science Part A, 2002, 40, 2719-2728.	2.3	795
15	Efficient charge generation by relaxed charge-transfer states at organic interfaces. Nature Materials, 2014, 13, 63-68.	27.5	667
16	Soluble Polymer Carriers for the Treatment of Cancer: The Importance of Molecular Architecture. Accounts of Chemical Research, 2009, 42, 1141-1151.	15.6	661
17	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.	13.7	661
18	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.	2.6	646

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19	A new approach to mesophase stabilization through hydrogen bonding molecular interactions in binary mixtures. Journal of the American Chemical Society, 1989, 111, 8533-8534.	13.7	641
20	Light-harvesting dendrimers. Chemical Communications, 2000, , 1701-1710.	4.1	614
21	A single dose of doxorubicin-functionalized bow-tie dendrimer cures mice bearing C-26 colon carcinomas. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16649-16654.	7.1	611
22	Dendronized Linear Polymers via â€œClick Chemistryâ€• Journal of the American Chemical Society, 2004, 126, 15020-15021.	13.7	565
23	Preparation of Hyperbranched and Star Polymers by a "Living", Self-Condensing Free Radical Polymerization. Journal of the American Chemical Society, 1995, 117, 10763-10764.	13.7	542
24	Stimuli-Responsive Supramolecular Assemblies of Linear-Dendritic Copolymers. Journal of the American Chemical Society, 2004, 126, 11936-11943.	13.7	533
25	pH-Responsive Copolymer Assemblies for Controlled Release of Doxorubicin. Bioconjugate Chemistry, 2005, 16, 361-368.	3.6	506
26	Self-Assembled Lanthanide-Cored Dendrimer Complexes:Â Enhancement of the Luminescence Properties of Lanthanide Ions through Site-Isolation and Antenna Effects. Chemistry of Materials, 1998, 10, 286-296.	6.7	487
27	Polyester Dendritic Systems for Drug Delivery Applications:Â In Vitro and In Vivo Evaluation. Bioconjugate Chemistry, 2002, 13, 453-461.	3.6	485
28	Water-soluble dendritic unimolecular micelles:. Journal of Controlled Release, 2000, 65, 121-131.	9.9	472
29	Unimolecular micelles and globular amphiphiles: dendritic macromolecules as novel recyclable solubilization agents. Journal of the Chemical Society Perkin Transactions 1, 1993, , 1287-1297.	0.9	463
30	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.	13.7	458
31	A new convergent approach to monodisperse dendritic macromolecules. Journal of the Chemical Society Chemical Communications, 1990, , 1010-1013.	2.0	452
32	Incorporation of Furan into Low Band-Gap Polymers for Efficient Solar Cells. Journal of the American Chemical Society, 2010, 132, 15547-15549.	13.7	442
33	Employing End-Functional Polythiophene To Control the Morphology of Nanocrystalâ•Polymer Composites in Hybrid Solar Cells. Journal of the American Chemical Society, 2004, 126, 6550-6551.	13.7	440
34	Monolithic, â€œMoldedâ€• Porous Materials with High Flow Characteristics for Separations, Catalysis, or Solid-Phase Chemistry:Â Control of Porous Properties during Polymerization. Chemistry of Materials, 1996, 8, 744-750.	6.7	437
35	Small-molecule-directed nanoparticle assembly towards stimuli-responsive nanocomposites. Nature Materials, 2009, 8, 979-985.	27.5	431
36	Increased light harvesting in dye-sensitized solar cells with energy relay dyes. Nature Photonics, 2009, 3, 406-411.	31.4	430

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37	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. Analytical Chemistry, 1997, 69, 3646-3649.	6.5	417
38	The Importance of Fullerene Percolation in the Mixed Regions of Polymerâ€“Fullerene Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2013, 3, 364-374.	19.5	412
39	Molecular-weight-dependent mobilities in regioregular poly(3-hexyl-thiophene) diodes. Applied Physics Letters, 2005, 86, 122110.	3.3	411
40	Acetal-Derivatized Dextran: An Acid-Responsive Biodegradable Material for Therapeutic Applications. Journal of the American Chemical Society, 2008, 130, 10494-10495.	13.7	403
41	Amphiphilic Diblock Copolymer Compatibilizers and Their Effect on the Morphology and Performance of Polythiophene:Fullerene Solar Cells. Advanced Materials, 2006, 18, 206-210.	21.0	401
42	Stabilization of a liquid-crystalline phase through noncovalent interaction with a polymer side chain. Macromolecules, 1989, 22, 3818-3819.	4.8	394
43	The Influence of Poly(3-hexylthiophene) Regioregularity on Fullerene-Composite Solar Cell Performance. Journal of the American Chemical Society, 2008, 130, 16324-16329.	13.7	394
44	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. 1. Fine Control of Porous Properties and Surface Chemistry. Analytical Chemistry, 1998, 70, 2288-2295.	6.5	389
45	Light Harvesting and Energy Transfer in Laserâ˜Dye-Labeled Poly(aryl ether) Dendrimers. Journal of the American Chemical Society, 2000, 122, 1175-1185.	13.7	386
46	A Novel Strategy for Encapsulation and Release of Proteins:Â Hydrogels and Microgels with Acid-Labile Acetal Cross-Linkers. Journal of the American Chemical Society, 2002, 124, 12398-12399.	13.7	385
47	A macromolecular delivery vehicle for protein-based vaccines: Acid-degradable protein-loaded microgels. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4995-5000.	7.1	382
48	Oligo- and Polythiophene/ZnO Hybrid Nanowire Solar Cells. Nano Letters, 2010, 10, 334-340.	9.1	381
49	Designing dendrimers for drug delivery. Pharmaceutical Science & Technology Today, 1999, 2, 393-401.	0.7	380
50	Extraction of a hydrophilic compound from water into liquid CO2 using dendritic surfactants. Nature, 1997, 389, 368-371.	27.8	379
51	Nanoporous Polymers for Hydrogen Storage. Small, 2009, 5, 1098-1111.	10.0	373
52	Bromination and lithiation: two important steps in the functionalization of polystyrene resins. Journal of Organic Chemistry, 1976, 41, 3877-3882.	3.2	360
53	Efficient Small Molecule Bulk Heterojunction Solar Cells with High Fill Factors via Pyreneâ€Directed Molecular Selfâ€Assembly. Advanced Materials, 2011, 23, 5359-5363.	21.0	357
54	A Biocompatible Oxidation-Triggered Carrier Polymer with Potential in Therapeutics. Journal of the American Chemical Society, 2011, 133, 756-758.	13.7	348

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55	Synthetic Micelle Sensitive to IR Light via a Two-Photon Process. Journal of the American Chemical Society, 2005, 127, 9952-9953.	13.7	344
56	Reversible Photomechanical Switching of Individual Engineered Molecules at a Metallic Surface. Physical Review Letters, 2007, 99, 038301.	7.8	344
57	Enzymatic Microreactor-on-a-Chip:Â Protein Mapping Using Trypsin Immobilized on Porous Polymer Monoliths Molded in Channels of Microfluidic Devices. Analytical Chemistry, 2002, 74, 4081-4088.	6.5	342
58	Light Harvesting and Energy Transfer in Novel Convergently Constructed Dendrimers. Angewandte Chemie - International Edition, 1999, 38, 1422-1427.	13.8	327
59	Monolithic Porous Polymer for On-Chip Solid-Phase Extraction and Preconcentration Prepared by Photoinitiated in Situ Polymerization within a Microfluidic Device. Analytical Chemistry, 2001, 73, 5088-5096.	6.5	327
60	Dendrimers and other dendritic macromolecules: From building blocks to functional assemblies in nanoscience and nanotechnology. Journal of Polymer Science Part A, 2003, 41, 3713-3725.	2.3	327
61	Use of intermolecular hydrogen bonding for the induction of liquid crystallinity in the side chain of polysiloxanes. Journal of the American Chemical Society, 1992, 114, 6630-6639.	13.7	319
62	Dendrimers and supramolecular chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4782-4787.	7.1	318
63	Double-Stage Convergent Approach for the Synthesis of Functionalized Dendritic Aliphatic Polyesters Based on 2,2-Bis(hydroxymethyl)propionic Acid. Macromolecules, 1998, 31, 4061-4068.	4.8	313
64	Designing Macromolecules for Therapeutic Applications:Â Polyester DendrimerPoly(ethylene oxide) â€œBow-Tieâ€•Hybrids with Tunable Molecular Weight and Architecture. Journal of the American Chemical Society, 2002, 124, 14137-14146.	13.7	313
65	A Modular Approach toward Functionalized Three-Dimensional Macromolecules:â€‰ From Synthetic Concepts to Practical Applications. Journal of the American Chemical Society, 2003, 125, 715-728.	13.7	313
66	Polyester Dendritic Systems for Drug Delivery Applications:Â Design, Synthesis, and Characterization. Bioconjugate Chemistry, 2002, 13, 443-452.	3.6	308
67	High Surface Area Nanoporous Polymers for Reversible Hydrogen Storage. Chemistry of Materials, 2006, 18, 4430-4435.	6.7	308
68	Porous Polymer Coatings: a Versatile Approach to Superhydrophobic Surfaces. Advanced Functional Materials, 2009, 19, 1993-1998.	14.9	308
69	Kinetic Control of Pore Formation in Macroporous Polymers. Formation of "Molded" Porous Materials with High Flow Characteristics for Separations or Catalysis. Chemistry of Materials, 1995, 7, 707-715.	6.7	302
70	Direct Nanoimprinting of Metal Nanoparticles for Nanoscale Electronics Fabrication. Nano Letters, 2007, 7, 1869-1877.	9.1	297
71	Hypercrosslinked polyanilines with nanoporous structure and high surface area: potential adsorbents for hydrogen storage. Journal of Materials Chemistry, 2007, 17, 4989.	6.7	290
72	Macroporous polymeric stationary-phase rod as continuous separation medium for reversed-phase chromatography. Analytical Chemistry, 1993, 65, 2243-2248.	6.5	288

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73	Acetals as pH-Sensitive Linkages for Drug Delivery. Bioconjugate Chemistry, 2004, 15, 1254-1263.	3.6	280
74	Rigid Macroporous Polymer Monoliths. Advanced Materials, 1999, 11, 1169-1181.	21.0	278
75	Fast and Convenient Divergent Synthesis of Aliphatic Ester Dendrimers by Anhydride Coupling. Journal of the American Chemical Society, 2001, 123, 5908-5917.	13.7	277
76	Platinum-Functionalized Random Copolymers for Use in Solution-Processible, Efficient, Near-White Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2004, 126, 15388-15389.	13.7	277
77	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.	13.7	273
78	Hydrogen-bonded liquid crystals. Novel mesogens incorporating nonmesogenic bipyridyl compounds through complexation between hydrogen-bond donor and acceptor moieties. Chemistry of Materials, 1993, 5, 1094-1100.	6.7	269
79	One-Pot Reaction Cascades Using Star Polymers with Core-Confined Catalysts. Angewandte Chemie - International Edition, 2005, 44, 6384-6387.	13.8	268
80	An A2 + B3 Approach to Hyperbranched Aliphatic Polyethers Containing Chain End Epoxy Substituents. Macromolecules, 1999, 32, 6380-6382.	4.8	263
81	Dendrimers and Hyperbranched Polymers: Two Families of Three-Dimensional Macromolecules with Similar but Clearly Distinct Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 1996, 33, 1399-1425.	2.2	260
82	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.	7.1	259
83	Photocrosslinkable Polythiophenes for Efficient, Thermally Stable, Organic Photovoltaics. Advanced Functional Materials, 2009, 19, 2273-2281.	14.9	255
84	Tetrahedron report number 103. Tetrahedron, 1981, 37, 663-683.	1.9	249
85	Biological Evaluation of Polyester Dendrimer:â€‰ Poly(ethylene oxide) â€œBow-Tieâ€•Hybrids with Tunable Molecular Weight and Architecture. Molecular Pharmaceutics, 2005, 2, 129-138.	4.6	245
86	Chemical Amplification in High-Resolution Imaging Systems. Accounts of Chemical Research, 1994, 27, 151-158.	15.6	244
87	Dendrimers at surfaces and interfaces: chemistry and applications. Chemical Communications, 2001, , 1229-1239.	4.1	243
88	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.	7.1	242
89	Design of the monolithic polymers used in capillary electrochromatography columns. Journal of Chromatography A, 2000, 887, 3-29.	3.7	241
90	A new approach towards acid sensitive copolymer micelles for drug delivery. Chemical Communications, 2003, , 1640-1641.	4.1	240

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91	Photografting and the Control of Surface Chemistry in Three-Dimensional Porous Polymer Monoliths. Macromolecules, 2003, 36, 1677-1684.	4.8	238
92	Polythiophene Containing Thermally Removable Solubilizing Groups Enhances the Interface and the Performance of Polymerâ”Titania Hybrid Solar Cells. Journal of the American Chemical Society, 2004, 126, 9486-9487.	13.7	238
93	Molded Rigid Monolithic Porous Polymers:â€‰ An Inexpensive, Efficient, and Versatile Alternative to Beads for the Design of Materials for Numerous Applications. Industrial & Engineering Chemistry Research, 1999, 38, 34-48.	3.7	237
94	Solvatochromism as a probe of the microenvironment in dendritic polyethers: transition from an extended to a globular structure. Journal of the American Chemical Society, 1993, 115, 4375-4376.	13.7	232
95	Towards stationary phases for chromatography on a microchip: Molded porous polymer monoliths prepared in capillaries by photoinitiatedin situ polymerization as separation media for electrochromatography. Electrophoresis, 2000, 21, 120-127.	2.4	232
96	Photogeneration of organic bases from o-nitrobenzyl-derived carbamates. Journal of the American Chemical Society, 1991, 113, 4303-4313.	13.7	228
97	Singlet Oxygen Generation via Two-Photon Excited FRET. Journal of the American Chemical Society, 2004, 126, 5380-5381.	13.7	228
98	Molecular Ball Bearings: The Unusual Melt Viscosity Behavior of Dendritic Macromolecules. Journal of the American Chemical Society, 1995, 117, 4409-4410.	13.7	226
99	Importance of active-site reactivity and reaction conditions in the preparation of hyperbranched polymers by self-condensing vinyl polymerization: Highly branchedvs. linear poly[4-(chloromethyl)styrene] by metal-catalyzed ?living? radical polymerization. Journal of Polymer Science Part A, 1998, 36, 955-970.	2.3	225
100	Enhancing the Thermal Stability of Polythiophene:Fullerene Solar Cells by Decreasing Effective Polymer Regioregularity. Journal of the American Chemical Society, 2006, 128, 13988-13989.	13.7	225
101	Dendrimer-Containing Light-Emitting Diodes:Â Toward Site-Isolation of Chromophores. Journal of the American Chemical Society, 2000, 122, 12385-12386.	13.7	224
102	Novel Polyether Copolymers Consisting of Linear and Dendritic Blocks. Angewandte Chemie International Edition in English, 1992, 31, 1200-1202.	4.4	221
103	Poly(p-tert-butoxycarbonyloxystyrene): a convenient precursor to p-hydroxystyrene resins. Polymer, 1983, 24, 995-1000.	3.8	220
104	Influence of shape on the reactivity and properties of dendritic, hyperbranched and linear aromatic polyesters. Polymer, 1994, 35, 4489-4495.	3.8	217
105	A Liquid-Crystalline Polymer Network Built by Molecular Self-Assembly through Intermolecular Hydrogen Bonding. Angewandte Chemie International Edition in English, 1994, 33, 1644-1645.	4.4	214
106	Temperature, a Simple and Efficient Tool for the Control of Pore Size Distribution in Macroporous Polymers. Macromolecules, 1995, 28, 7580-7582.	4.8	214
107	Recombination in Polymer:Fullerene Solar Cells with Openâ€Circuit Voltages Approaching and Exceeding 1.0 V. Advanced Energy Materials, 2013, 3, 220-230.	19.5	212
108	Development and application of polymeric monolithic stationary phases for capillary electrochromatography. Journal of Chromatography A, 2004, 1044, 3-22.	3.7	208

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109	Synthesis and Catalytic Activity of Unimolecular Dendritic Reverse Micelles with â€œInternalâ€• Functional Groups. Journal of the American Chemical Society, 1999, 121, 9471-9472.	13.7	206
110	Dependence of Pharmacokinetics and Biodistribution on Polymer Architecture: Effect of Cyclic versus Linear Polymers. Journal of the American Chemical Society, 2009, 131, 3842-3843.	13.7	206
111	Control of Polymer-Packing Orientation in Thin Films through Synthetic Tailoring of Backbone Coplanarity. Chemistry of Materials, 2013, 25, 4088-4096.	6.7	206
112	Hydrogen-bonded liquid crystals built from hydrogen-bonding donors and acceptors. Infrared study on the stability of the hydrogen bond between carboxylic acid and pyridyl moieties. Liquid Crystals, 1993, 14, 1311-1317.	2.2	204
113	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. 2. Effect of Chromatographic Conditions on the Separation. Analytical Chemistry, 1998, 70, 2296-2302.	6.5	204
114	Design of Dendritic Macromolecules Containing Folate or Methotrexate Residues. Bioconjugate Chemistry, 1999, 10, 1115-1121.	3.6	201
115	Stimuli-Responsive Hybrid Macromolecules:Â Novel Amphiphilic Star Copolymers With Dendritic Groups at the Periphery. Journal of the American Chemical Society, 1996, 118, 3785-3786.	13.7	200
116	In vivo targeting of dendritic cells for activation of cellular immunity using vaccine carriers based on pH-responsive microparticles. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18264-18268.	7.1	200
117	Preparation of Size-Selective Nanoporous Polymer Networks of Aromatic Rings: Potential Adsorbents for Hydrogen Storage. Chemistry of Materials, 2008, 20, 7069-7076.	6.7	199
118	Electroactive Surfactant Designed to Mediate Electron Transfer Between CdSe Nanocrystals and Organic Semiconductors. Advanced Materials, 2003, 15, 58-61.	21.0	198
119	Surface Functionalization of Thermoplastic Polymers for the Fabrication of Microfluidic Devices by Photoinitiated Grafting. Advanced Functional Materials, 2003, 13, 264-270.	14.9	195
120	Simultaneous Light Emission from a Mixture of Dendrimer Encapsulated Chromophores:Â A Model for Single-Layer Multichromophoric Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2003, 125, 13165-13172.	13.7	194
121	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.	13.7	194
122	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.	19.5	194
123	Steric Control of the Donor/Acceptor Interface: Implications in Organic Photovoltaic Charge Generation. Journal of the American Chemical Society, 2011, 133, 12106-12114.	13.7	193
124	Molecular self-assembly of liquid crystalline side-chain polymers through intermolecular hydrogen bonding. Polymeric complexes built from a polyacrylate and stilbazoles. Macromolecules, 1992, 25, 6836-6841.	4.8	192
125	Porous Polymer Monolithic Column with Surface-Bound Gold Nanoparticles for the Capture and Separation of Cysteine-Containing Peptides. Analytical Chemistry, 2010, 82, 3352-3358.	6.5	190
126	Fullerene-bound dendrimers: soluble, isolated carbon clusters. Journal of the American Chemical Society, 1993, 115, 9836-9837.	13.7	189

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127	Modified poly(glycidyl metharylate-co-ethylene dimethacrylate) continuous rod columns for preparative-scale ion-exchange chromatography of proteins. Journal of Chromatography A, 1995, 702, 89-95.	3.7	189
128	Cascade energy transfer in a conformationally mobile multichromophoric dendrimer. Chemical Communications, 2002, , 2605-2607.	4.1	189
129	Flow Control Valves for Analytical Microfluidic Chips without Mechanical Parts Based on Thermally Responsive Monolithic Polymers. Analytical Chemistry, 2003, 75, 1958-1961.	6.5	189
130	Dual-Function Microanalytical Device by In Situ Photolithographic Grafting of Porous Polymer Monolith:Â Integrating Solid-Phase Extraction and Enzymatic Digestion for Peptide Mass Mapping. Analytical Chemistry, 2003, 75, 5328-5335.	6.5	186
131	Organic Thin Film Transistors from a Soluble Oligothiophene Derivative Containing Thermally Removable Solubilizing Groups. Journal of the American Chemical Society, 2004, 126, 1596-1597.	13.7	186
132	Synthesis, Characterization, and Field-Effect Transistor Performance of Carboxylate-Functionalized Polythiophenes with Increased Air Stability. Chemistry of Materials, 2005, 17, 4892-4899.	6.7	185
133	A Tandem Approach to Graft and Dendritic Graft Copolymers Based onâ€œLivingâ€•Free Radical Polymerizations. Angewandte Chemie International Edition in English, 1997, 36, 270-272.	4.4	184
134	Photosensitization of Singlet Oxygen via Two-Photon-Excited Fluorescence Resonance Energy Transfer in a Water-Soluble Dendrimer. Chemistry of Materials, 2005, 17, 2267-2275.	6.7	184
135	Novel Two-Photon Absorbing Dendritic Structures. Chemistry of Materials, 2000, 12, 2838-2841.	6.7	182
136	Preparation of monolithic polymers with controlled porous properties for microfluidic chip applications using photoinitiated free-radical polymerization. Journal of Polymer Science Part A, 2002, 40, 755-769.	2.3	182
137	Air stable high resolution organic transistors by selective laser sintering of ink-jet printed metal nanoparticles. Applied Physics Letters, 2007, 90, 141103.	3.3	182
138	Effects of Dendrimer Generation on Site Isolation of Core Moieties:Â Electrochemical and Fluorescence Quenching Studies with Metalloporphyrin Core Dendrimers. Chemistry of Materials, 1998, 10, 30-38.	6.7	180
139	Self-Assembly of Gold Nanoparticles at the Surface of Amine- and Thiol-Functionalized Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2007, 111, 12992-12999.	3.1	179
140	PEGylated Dendrimers with Core Functionality for Biological Applications. Bioconjugate Chemistry, 2008, 19, 461-469.	3.6	179
141	High-Throughput Synthesis of Nanoscale Materials:Â Structural Optimization of Functionalized One-Step Star Polymers. Journal of the American Chemical Society, 2001, 123, 6461-6462.	13.7	178
142	Injection molded microfluidic chips featuring integrated interconnects. Lab on A Chip, 2006, 6, 1346-1354.	6.0	178
143	Unusual macromolecular architectures: the convergent growth approach to dendritic polyesters and novel block copolymers. Journal of the American Chemical Society, 1992, 114, 8405-8413.	13.7	177
144	Nanoscale Patterning and Electronics on Flexible Substrate by Direct Nanoimprinting of Metallic Nanoparticles. Advanced Materials, 2008, 20, 489-496.	21.0	174

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145	Solution and solid-state properties of hybrid linear-dendritic block copolymers. Macromolecules, 1993, 26, 6536-6546.	4.8	172
146	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.	3.7	172
147	Synthesis and properties of novel linear-dendritic block copolymers. Reactivity of dendritic macromolecules toward linear polymers. Macromolecules, 1993, 26, 5621-5627.	4.8	171
148	Reversed-phase chromatography of small molecules and peptides on a continuous rod of macroporous poly (styrene-co-divinylbenzene). Journal of Chromatography A, 1994, 669, 230-235.	3.7	171
149	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.	6.7	171
150	Hydrogen bonding and the selfâ€assembly of supramolecular liquidâ€crystalline materials. Macromolecular Symposia, 1995, 98, 311-326.	0.7	170
151	A Facile Approach to Superhydrophilicâ€“Superhydrophobic Patterns in Porous Polymer Films. Advanced Materials, 2011, 23, 3030-3034.	21.0	170
152	Synthesis and characterization of hyperbranched polyurethanes prepared from blocked isocyanate monomers by step-growth polymerization. Macromolecules, 1993, 26, 4809-4813.	4.8	169
153	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.	13.7	169
154	Chiral Monolithic Columns for Enantioselective Capillary Electrochromatography Prepared by Copolymerization of a Monomer with Quinidine Functionality. 1. Optimization of Polymerization Conditions, Porous Properties, and Chemistry of the Stationary Phase. Analytical Chemistry, 2000, 72, 4614-4622.	6.5	167
155	High Efficiency Organic Photovoltaics Incorporating a New Family of Soluble Fullerene Derivatives. Chemistry of Materials, 2007, 19, 2927-2929.	6.7	167
156	Approaches to the Design of Radiationâ€Sensitive Polymeric Imaging Systems with Improved Sensitivity and Resolution. Journal of the Electrochemical Society, 1986, 133, 181-187.	2.9	163
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