

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

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760
all docs

760
docs citations

760
times ranked

49176
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymerâ€“Fullerene Composite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 58-77.	7.2	3,926
2	Preparation of polymers with controlled molecular architecture. A new convergent approach to dendritic macromolecules. <i>Journal of the American Chemical Society</i> , 1990, 112, 7638-7647.	6.6	2,314
3	Designing dendrimers for biological applications. <i>Nature Biotechnology</i> , 2005, 23, 1517-1526.	9.4	1,894
4	Organic Semiconducting Oligomers for Use in Thin Film Transistors. <i>Chemical Reviews</i> , 2007, 107, 1066-1096.	23.0	1,765
5	Convergent Dendrons and Dendrimers:â€‰ from Synthesis to Applications. <i>Chemical Reviews</i> , 2001, 101, 3819-3868.	23.0	1,547
6	Molecular Design and Ordering Effects in Î€-Functional Materials for Transistor and Solar Cell Applications. <i>Journal of the American Chemical Society</i> , 2011, 133, 20009-20029.	6.6	1,338
7	Dendrimers and dendritic polymers in drug delivery. <i>Drug Discovery Today</i> , 2005, 10, 35-43.	3.2	1,247
8	Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3928-3932.	7.2	1,089
9	Dendritic Encapsulation of Function: Applying Nature's Site Isolation Principle from Biomimetics to Materials Science. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 74-91.	7.2	1,020
10	Dependence of Regioregular Poly(3-hexylthiophene) Film Morphology and Field-Effect Mobility on Molecular Weight. <i>Macromolecules</i> , 2005, 38, 3312-3319.	2.2	1,003
11	Continuous rods of macroporous polymer as high-performance liquid chromatography separation media. <i>Analytical Chemistry</i> , 1992, 64, 820-822.	3.2	905
12	Controlling the Field-Effect Mobility of Regioregular Polythiophene by Changing the Molecular Weight. <i>Advanced Materials</i> , 2003, 15, 1519-1522.	11.1	899
13	Synthetic Control of Structural Order in <i>N</i> -Alkylthieno[3,4- <i>c</i>]pyrrole-4,6-dione-Based Polymers for Efficient Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 7595-7597.	6.6	882
14	Discovery of dendrimers and dendritic polymers: A brief historical perspective*. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2719-2728.	2.5	795
15	Efficient charge generation by relaxed charge-transfer states at organic interfaces. <i>Nature Materials</i> , 2014, 13, 63-68.	13.3	667
16	Soluble Polymer Carriers for the Treatment of Cancer: The Importance of Molecular Architecture. <i>Accounts of Chemical Research</i> , 2009, 42, 1141-1151.	7.6	661
17	Linear Side Chains in Benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiopheneâ€“Thieno[3,4- <i>c</i>]pyrrole-4,6-dione Polymers Direct Self-Assembly and Solar Cell Performance. <i>Journal of the American Chemical Society</i> , 2013, 135, 4656-4659.	6.6	661
18	All-inkjet-printed flexible electronics fabrication on a polymer substrate by low-temperature high-resolution selective laser sintering of metal nanoparticles. <i>Nanotechnology</i> , 2007, 18, 345202.	1.3	646

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19	A new approach to mesophase stabilization through hydrogen bonding molecular interactions in binary mixtures. <i>Journal of the American Chemical Society</i> , 1989, 111, 8533-8534.	6.6	641
20	Light-harvesting dendrimers. <i>Chemical Communications</i> , 2000, , 1701-1710.	2.2	614
21	A single dose of doxorubicin-functionalized bow-tie dendrimer cures mice bearing C-26 colon carcinomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16649-16654.	3.3	611
22	Dendronized Linear Polymers via "Click Chemistry". <i>Journal of the American Chemical Society</i> , 2004, 126, 15020-15021.	6.6	565
23	Preparation of Hyperbranched and Star Polymers by a "Living", Self-Condensing Free Radical Polymerization. <i>Journal of the American Chemical Society</i> , 1995, 117, 10763-10764.	6.6	542
24	Stimuli-Responsive Supramolecular Assemblies of Linear-Dendritic Copolymers. <i>Journal of the American Chemical Society</i> , 2004, 126, 11936-11943.	6.6	533
25	pH-Responsive Copolymer Assemblies for Controlled Release of Doxorubicin. <i>Bioconjugate Chemistry</i> , 2005, 16, 361-368.	1.8	506
26	Self-Assembled Lanthanide-Cored Dendrimer Complexes: Enhancement of the Luminescence Properties of Lanthanide Ions through Site-Isolation and Antenna Effects. <i>Chemistry of Materials</i> , 1998, 10, 286-296.	3.2	487
27	Polyester Dendritic Systems for Drug Delivery Applications: In Vitro and In Vivo Evaluation. <i>Bioconjugate Chemistry</i> , 2002, 13, 453-461.	1.8	485
28	Water-soluble dendritic unimolecular micelles. <i>Journal of Controlled Release</i> , 2000, 65, 121-131.	4.8	472
29	Unimolecular micelles and globular amphiphiles: dendritic macromolecules as novel recyclable solubilization agents. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 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. <i>Journal of the American Chemical Society</i> , 2012, 134, 2180-2185.	6.6	458
31	A new convergent approach to monodisperse dendritic macromolecules. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 1010-1013.	2.0	452
32	Incorporation of Furan into Low Band-Gap Polymers for Efficient Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 15547-15549.	6.6	442
33	Employing End-Functional Polythiophene To Control the Morphology of Nanocrystal Polymer Composites in Hybrid Solar Cells. <i>Journal of the American Chemical Society</i> , 2004, 126, 6550-6551.	6.6	440
34	Monolithic, Molded, Porous Materials with High Flow Characteristics for Separations, Catalysis, or Solid-Phase Chemistry: Control of Porous Properties during Polymerization. <i>Chemistry of Materials</i> , 1996, 8, 744-750.	3.2	437
35	Small-molecule-directed nanoparticle assembly towards stimuli-responsive nanocomposites. <i>Nature Materials</i> , 2009, 8, 979-985.	13.3	431
36	Increased light harvesting in dye-sensitized solar cells with energy relay dyes. <i>Nature Photonics</i> , 2009, 3, 406-411.	15.6	430

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37	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. <i>Analytical Chemistry</i> , 1997, 69, 3646-3649.	3.2	417
38	The Importance of Fullerene Percolation in the Mixed Regions of Polymer/Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 364-374.	10.2	412
39	Molecular-weight-dependent mobilities in regioregular poly(3-hexyl-thiophene) diodes. <i>Applied Physics Letters</i> , 2005, 86, 122110.	1.5	411
40	Acetal-Derivatized Dextran: An Acid-Responsive Biodegradable Material for Therapeutic Applications. <i>Journal of the American Chemical Society</i> , 2008, 130, 10494-10495.	6.6	403
41	Amphiphilic Diblock Copolymer Compatibilizers and Their Effect on the Morphology and Performance of Polythiophene:Fullerene Solar Cells. <i>Advanced Materials</i> , 2006, 18, 206-210.	11.1	401
42	Stabilization of a liquid-crystalline phase through noncovalent interaction with a polymer side chain. <i>Macromolecules</i> , 1989, 22, 3818-3819.	2.2	394
43	The Influence of Poly(3-hexylthiophene) Regioregularity on Fullerene-Composite Solar Cell Performance. <i>Journal of the American Chemical Society</i> , 2008, 130, 16324-16329.	6.6	394
44	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. 1. Fine Control of Porous Properties and Surface Chemistry. <i>Analytical Chemistry</i> , 1998, 70, 2288-2295.	3.2	389
45	Light Harvesting and Energy Transfer in Laser-Dye-Labeled Poly(aryl ether) Dendrimers. <i>Journal of the American Chemical Society</i> , 2000, 122, 1175-1185.	6.6	386
46	A Novel Strategy for Encapsulation and Release of Proteins: Hydrogels and Microgels with Acid-Labile Acetal Cross-Linkers. <i>Journal of the American Chemical Society</i> , 2002, 124, 12398-12399.	6.6	385
47	A macromolecular delivery vehicle for protein-based vaccines: Acid-degradable protein-loaded microgels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4995-5000.	3.3	382
48	Oligo- and Polythiophene/ZnO Hybrid Nanowire Solar Cells. <i>Nano Letters</i> , 2010, 10, 334-340.	4.5	381
49	Designing dendrimers for drug delivery. <i>Pharmaceutical Science & Technology Today</i> , 1999, 2, 393-401.	0.7	380
50	Extraction of a hydrophilic compound from water into liquid CO ₂ using dendritic surfactants. <i>Nature</i> , 1997, 389, 368-371.	13.7	379
51	Nanoporous Polymers for Hydrogen Storage. <i>Small</i> , 2009, 5, 1098-1111.	5.2	373
52	Bromination and lithiation: two important steps in the functionalization of polystyrene resins. <i>Journal of Organic Chemistry</i> , 1976, 41, 3877-3882.	1.7	360
53	Efficient Small Molecule Bulk Heterojunction Solar Cells with High Fill Factors via Pyrene-Directed Molecular Self-Assembly. <i>Advanced Materials</i> , 2011, 23, 5359-5363.	11.1	357
54	A Biocompatible Oxidation-Triggered Carrier Polymer with Potential in Therapeutics. <i>Journal of the American Chemical Society</i> , 2011, 133, 756-758.	6.6	348

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55	Synthetic Micelle Sensitive to IR Light via a Two-Photon Process. <i>Journal of the American Chemical Society</i> , 2005, 127, 9952-9953.	6.6	344
56	Reversible Photomechanical Switching of Individual Engineered Molecules at a Metallic Surface. <i>Physical Review Letters</i> , 2007, 99, 038301.	2.9	344
57	Enzymatic Microreactor-on-a-Chip: Protein Mapping Using Trypsin Immobilized on Porous Polymer Monoliths Molded in Channels of Microfluidic Devices. <i>Analytical Chemistry</i> , 2002, 74, 4081-4088.	3.2	342
58	Light Harvesting and Energy Transfer in Novel Convergent Constructed Dendrimers. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1422-1427.	7.2	327
59	Monolithic Porous Polymer for On-Chip Solid-Phase Extraction and Preconcentration Prepared by Photoinitiated in Situ Polymerization within a Microfluidic Device. <i>Analytical Chemistry</i> , 2001, 73, 5088-5096.	3.2	327
60	Dendrimers and other dendritic macromolecules: From building blocks to functional assemblies in nanoscience and nanotechnology. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3713-3725.	2.5	327
61	Use of intermolecular hydrogen bonding for the induction of liquid crystallinity in the side chain of polysiloxanes. <i>Journal of the American Chemical Society</i> , 1992, 114, 6630-6639.	6.6	319
62	Dendrimers and supramolecular chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4782-4787.	3.3	318
63	Double-Stage Convergent Approach for the Synthesis of Functionalized Dendritic Aliphatic Polyesters Based on 2,2-Bis(hydroxymethyl)propionic Acid. <i>Macromolecules</i> , 1998, 31, 4061-4068.	2.2	313
64	Designing Macromolecules for Therapeutic Applications: Polyester Dendrimer-Poly(ethylene oxide) "Bow-Tie" Hybrids with Tunable Molecular Weight and Architecture. <i>Journal of the American Chemical Society</i> , 2002, 124, 14137-14146.	6.6	313
65	A Modular Approach toward Functionalized Three-Dimensional Macromolecules: From Synthetic Concepts to Practical Applications. <i>Journal of the American Chemical Society</i> , 2003, 125, 715-728.	6.6	313
66	Polyester Dendritic Systems for Drug Delivery Applications: Design, Synthesis, and Characterization. <i>Bioconjugate Chemistry</i> , 2002, 13, 443-452.	1.8	308
67	High Surface Area Nanoporous Polymers for Reversible Hydrogen Storage. <i>Chemistry of Materials</i> , 2006, 18, 4430-4435.	3.2	308
68	Porous Polymer Coatings: a Versatile Approach to Superhydrophobic Surfaces. <i>Advanced Functional Materials</i> , 2009, 19, 1993-1998.	7.8	308
69	Kinetic Control of Pore Formation in Macroporous Polymers. Formation of "Molded" Porous Materials with High Flow Characteristics for Separations or Catalysis. <i>Chemistry of Materials</i> , 1995, 7, 707-715.	3.2	302
70	Direct Nanoimprinting of Metal Nanoparticles for Nanoscale Electronics Fabrication. <i>Nano Letters</i> , 2007, 7, 1869-1877.	4.5	297
71	Hypercrosslinked polyanilines with nanoporous structure and high surface area: potential adsorbents for hydrogen storage. <i>Journal of Materials Chemistry</i> , 2007, 17, 4989.	6.7	290
72	Macroporous polymeric stationary-phase rod as continuous separation medium for reversed-phase chromatography. <i>Analytical Chemistry</i> , 1993, 65, 2243-2248.	3.2	288

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73	Acetals as pH-Sensitive Linkages for Drug Delivery. <i>Bioconjugate Chemistry</i> , 2004, 15, 1254-1263.	1.8	280
74	Rigid Macroporous Polymer Monoliths. <i>Advanced Materials</i> , 1999, 11, 1169-1181.	11.1	278
75	Fast and Convenient Divergent Synthesis of Aliphatic Ester Dendrimers by Anhydride Coupling. <i>Journal of the American Chemical Society</i> , 2001, 123, 5908-5917.	6.6	277
76	Platinum-Functionalized Random Copolymers for Use in Solution-Processible, Efficient, Near-White Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2004, 126, 15388-15389.	6.6	277
77	One-Pot Multi-Component Asymmetric Cascade Reactions Catalyzed by Soluble Star Polymers with Highly Branched Non-Interpenetrating Catalytic Cores. <i>Journal of the American Chemical Society</i> , 2008, 130, 6322-6323.	6.6	273
78	Hydrogen-bonded liquid crystals. Novel mesogens incorporating nonmesogenic bipyridyl compounds through complexation between hydrogen-bond donor and acceptor moieties. <i>Chemistry of Materials</i> , 1993, 5, 1094-1100.	3.2	269
79	One-Pot Reaction Cascades Using Star Polymers with Core-Confined Catalysts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6384-6387.	7.2	268
80	An A2 + B3 Approach to Hyperbranched Aliphatic Polyethers Containing Chain End Epoxy Substituents. <i>Macromolecules</i> , 1999, 32, 6380-6382.	2.2	263
81	Dendrimers and Hyperbranched Polymers: Two Families of Three-Dimensional Macromolecules with Similar but Clearly Distinct Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1996, 33, 1399-1425.	1.2	260
82	Acetalated dextran is a chemically and biologically tunable material for particulate immunotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5497-5502.	3.3	259
83	Photocrosslinkable Polythiophenes for Efficient, Thermally Stable, Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2009, 19, 2273-2281.	7.8	255
84	Tetrahedron report number 103. <i>Tetrahedron</i> , 1981, 37, 663-683.	1.0	249
85	Biological Evaluation of Polyester Dendrimer: Poly(ethylene oxide) Bow-Tie Hybrids with Tunable Molecular Weight and Architecture. <i>Molecular Pharmaceutics</i> , 2005, 2, 129-138.	2.3	245
86	Chemical Amplification in High-Resolution Imaging Systems. <i>Accounts of Chemical Research</i> , 1994, 27, 151-158.	7.6	244
87	Dendrimers at surfaces and interfaces: chemistry and applications. <i>Chemical Communications</i> , 2001, , 1229-1239.	2.2	243
88	Biodegradable dendritic positron-emitting nanoprobe for the noninvasive imaging of angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 685-690.	3.3	242
89	Design of the monolithic polymers used in capillary electrochromatography columns. <i>Journal of Chromatography A</i> , 2000, 887, 3-29.	1.8	241
90	A new approach towards acid sensitive copolymer micelles for drug delivery. <i>Chemical Communications</i> , 2003, , 1640-1641.	2.2	240

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91	Photografting and the Control of Surface Chemistry in Three-Dimensional Porous Polymer Monoliths. <i>Macromolecules</i> , 2003, 36, 1677-1684.	2.2	238
92	Polythiophene Containing Thermally Removable Solubilizing Groups Enhances the Interface and the Performance of Polymer/Titania Hybrid Solar Cells. <i>Journal of the American Chemical Society</i> , 2004, 126, 9486-9487.	6.6	238
93	Molded Rigid Monolithic Porous Polymers: An Inexpensive, Efficient, and Versatile Alternative to Beads for the Design of Materials for Numerous Applications. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 34-48.	1.8	237
94	Solvatochromism as a probe of the microenvironment in dendritic polyethers: transition from an extended to a globular structure. <i>Journal of the American Chemical Society</i> , 1993, 115, 4375-4376.	6.6	232
95	Towards stationary phases for chromatography on a microchip: Molded porous polymer monoliths prepared in capillaries by photoinitiated in situ polymerization as separation media for electrochromatography. <i>Electrophoresis</i> , 2000, 21, 120-127.	1.3	232
96	Photogeneration of organic bases from o-nitrobenzyl-derived carbamates. <i>Journal of the American Chemical Society</i> , 1991, 113, 4303-4313.	6.6	228
97	Singlet Oxygen Generation via Two-Photon Excited FRET. <i>Journal of the American Chemical Society</i> , 2004, 126, 5380-5381.	6.6	228
98	Molecular Ball Bearings: The Unusual Melt Viscosity Behavior of Dendritic Macromolecules. <i>Journal of the American Chemical Society</i> , 1995, 117, 4409-4410.	6.6	226
99	Importance of active-site reactivity and reaction conditions in the preparation of hyperbranched polymers by self-condensing vinyl polymerization: Highly branched vs. linear poly[4-(chloromethyl)styrene] by metal-catalyzed "living" radical polymerization. <i>Journal of Polymer Science Part A</i> , 1998, 36, 955-970.	2.5	225
100	Enhancing the Thermal Stability of Polythiophene: Fullerene Solar Cells by Decreasing Effective Polymer Regioregularity. <i>Journal of the American Chemical Society</i> , 2006, 128, 13988-13989.	6.6	225
101	Dendrimer-Containing Light-Emitting Diodes: Toward Site-Isolation of Chromophores. <i>Journal of the American Chemical Society</i> , 2000, 122, 12385-12386.	6.6	224
102	Novel Polyether Copolymers Consisting of Linear and Dendritic Blocks. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1200-1202.	4.4	221
103	Poly(p-tert-butoxycarbonyloxystyrene): a convenient precursor to p-hydroxystyrene resins. <i>Polymer</i> , 1983, 24, 995-1000.	1.8	220
104	Influence of shape on the reactivity and properties of dendritic, hyperbranched and linear aromatic polyesters. <i>Polymer</i> , 1994, 35, 4489-4495.	1.8	217
105	A Liquid-Crystalline Polymer Network Built by Molecular Self-Assembly through Intermolecular Hydrogen Bonding. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1644-1645.	4.4	214
106	Temperature, a Simple and Efficient Tool for the Control of Pore Size Distribution in Macroporous Polymers. <i>Macromolecules</i> , 1995, 28, 7580-7582.	2.2	214
107	Recombination in Polymer: Fullerene Solar Cells with Open-Circuit Voltages Approaching and Exceeding 1.0 V. <i>Advanced Energy Materials</i> , 2013, 3, 220-230.	10.2	212
108	Development and application of polymeric monolithic stationary phases for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2004, 1044, 3-22.	1.8	208

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109	Synthesis and Catalytic Activity of Unimolecular Dendritic Reverse Micelles with Internal Functional Groups. <i>Journal of the American Chemical Society</i> , 1999, 121, 9471-9472.	6.6	206
110	Dependence of Pharmacokinetics and Biodistribution on Polymer Architecture: Effect of Cyclic versus Linear Polymers. <i>Journal of the American Chemical Society</i> , 2009, 131, 3842-3843.	6.6	206
111	Control of Polymer-Packing Orientation in Thin Films through Synthetic Tailoring of Backbone Coplanarity. <i>Chemistry of Materials</i> , 2013, 25, 4088-4096.	3.2	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. <i>Liquid Crystals</i> , 1993, 14, 1311-1317.	0.9	204
113	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. 2. Effect of Chromatographic Conditions on the Separation. <i>Analytical Chemistry</i> , 1998, 70, 2296-2302.	3.2	204
114	Design of Dendritic Macromolecules Containing Folate or Methotrexate Residues. <i>Bioconjugate Chemistry</i> , 1999, 10, 1115-1121.	1.8	201
115	Stimuli-Responsive Hybrid Macromolecules: A Novel Amphiphilic Star Copolymers With Dendritic Groups at the Periphery. <i>Journal of the American Chemical Society</i> , 1996, 118, 3785-3786.	6.6	200
116	In vivo targeting of dendritic cells for activation of cellular immunity using vaccine carriers based on pH-responsive microparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18264-18268.	3.3	200
117	Preparation of Size-Selective Nanoporous Polymer Networks of Aromatic Rings: Potential Adsorbents for Hydrogen Storage. <i>Chemistry of Materials</i> , 2008, 20, 7069-7076.	3.2	199
118	Electroactive Surfactant Designed to Mediate Electron Transfer Between CdSe Nanocrystals and Organic Semiconductors. <i>Advanced Materials</i> , 2003, 15, 58-61.	11.1	198
119	Surface Functionalization of Thermoplastic Polymers for the Fabrication of Microfluidic Devices by Photoinitiated Grafting. <i>Advanced Functional Materials</i> , 2003, 13, 264-270.	7.8	195
120	Simultaneous Light Emission from a Mixture of Dendrimer Encapsulated Chromophores: A Model for Single-Layer Multichromophoric Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2003, 125, 13165-13172.	6.6	194
121	Enhanced Solid-State Order and Field-Effect Hole Mobility through Control of Nanoscale Polymer Aggregation. <i>Journal of the American Chemical Society</i> , 2013, 135, 19229-19236.	6.6	194
122	Controlling Solution-Phase Polymer Aggregation with Molecular Weight and Solvent Additives to Optimize Polymer-Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1301733.	10.2	194
123	Steric Control of the Donor/Acceptor Interface: Implications in Organic Photovoltaic Charge Generation. <i>Journal of the American Chemical Society</i> , 2011, 133, 12106-12114.	6.6	193
124	Molecular self-assembly of liquid crystalline side-chain polymers through intermolecular hydrogen bonding. Polymeric complexes built from a polyacrylate and stilbazoles. <i>Macromolecules</i> , 1992, 25, 6836-6841.	2.2	192
125	Porous Polymer Monolithic Column with Surface-Bound Gold Nanoparticles for the Capture and Separation of Cysteine-Containing Peptides. <i>Analytical Chemistry</i> , 2010, 82, 3352-3358.	3.2	190
126	Fullerene-bound dendrimers: soluble, isolated carbon clusters. <i>Journal of the American Chemical Society</i> , 1993, 115, 9836-9837.	6.6	189

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127	Modified poly(glycidyl methacrylate-co-ethylene dimethacrylate) continuous rod columns for preparative-scale ion-exchange chromatography of proteins. <i>Journal of Chromatography A</i> , 1995, 702, 89-95.	1.8	189
128	Cascade energy transfer in a conformationally mobile multichromophoric dendrimer. <i>Chemical Communications</i> , 2002, , 2605-2607.	2.2	189
129	Flow Control Valves for Analytical Microfluidic Chips without Mechanical Parts Based on Thermally Responsive Monolithic Polymers. <i>Analytical Chemistry</i> , 2003, 75, 1958-1961.	3.2	189
130	Dual-Function Microanalytical Device by In Situ Photolithographic Grafting of Porous Polymer Monolith: Integrating Solid-Phase Extraction and Enzymatic Digestion for Peptide Mass Mapping. <i>Analytical Chemistry</i> , 2003, 75, 5328-5335.	3.2	186
131	Organic Thin Film Transistors from a Soluble Oligothiophene Derivative Containing Thermally Removable Solubilizing Groups. <i>Journal of the American Chemical Society</i> , 2004, 126, 1596-1597.	6.6	186
132	Synthesis, Characterization, and Field-Effect Transistor Performance of Carboxylate-Functionalized Polythiophenes with Increased Air Stability. <i>Chemistry of Materials</i> , 2005, 17, 4892-4899.	3.2	185
133	A Tandem Approach to Graft and Dendritic Graft Copolymers Based on Living-Free Radical Polymerizations. <i>Angewandte Chemie International Edition in English</i> , 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. <i>Chemistry of Materials</i> , 2005, 17, 2267-2275.	3.2	184
135	Novel Two-Photon Absorbing Dendritic Structures. <i>Chemistry of Materials</i> , 2000, 12, 2838-2841.	3.2	182
136	Preparation of monolithic polymers with controlled porous properties for microfluidic chip applications using photoinitiated free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2002, 40, 755-769.	2.5	182
137	Air stable high resolution organic transistors by selective laser sintering of ink-jet printed metal nanoparticles. <i>Applied Physics Letters</i> , 2007, 90, 141103.	1.5	182
138	Effects of Dendrimer Generation on Site Isolation of Core Moieties: Electrochemical and Fluorescence Quenching Studies with Metalloporphyrin Core Dendrimers. <i>Chemistry of Materials</i> , 1998, 10, 30-38.	3.2	180
139	Self-Assembly of Gold Nanoparticles at the Surface of Amine- and Thiol-Functionalized Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12992-12999.	1.5	179
140	PEGylated Dendrimers with Core Functionality for Biological Applications. <i>Bioconjugate Chemistry</i> , 2008, 19, 461-469.	1.8	179
141	High-Throughput Synthesis of Nanoscale Materials: Structural Optimization of Functionalized One-Step Star Polymers. <i>Journal of the American Chemical Society</i> , 2001, 123, 6461-6462.	6.6	178
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