

Jean M J FrÃ©chet

List of Publications by Year in descending order

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534
papers

73,487
citations

218

142
h-index

632

251
g-index

548
all docs

548
docs citations

548
times ranked

38251
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymerâ€“Fullerene Composite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 58-77.	14.7	3,966
2	Designing dendrimers for biological applications. <i>Nature Biotechnology</i> , 2005, 23, 1517-1526.	21.0	1,920
3	Organic Semiconducting Oligomers for Use in Thin Film Transistors. <i>Chemical Reviews</i> , 2007, 107, 1066-1096.	51.5	1,780
4	Convergent Dendrons and Dendrimers:â€‰ from Synthesis to Applications. <i>Chemical Reviews</i> , 2001, 101, 3819-3868.	51.5	1,560
5	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.	14.6	1,355
6	Dendrimers and dendritic polymers in drug delivery. <i>Drug Discovery Today</i> , 2005, 10, 35-43.	6.7	1,257
7	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.	14.7	1,094
8	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.	14.7	1,026
9	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.	14.6	887
10	Efficient charge generation by relaxed charge-transfer states at organic interfaces. <i>Nature Materials</i> , 2014, 13, 63-68.	26.7	683
11	Soluble Polymer Carriers for the Treatment of Cancer: The Importance of Molecular Architecture. <i>Accounts of Chemical Research</i> , 2009, 42, 1141-1151.	16.6	677
12	Linear Side Chains in Benzo[1,2- <i>b</i> :4,5- <i>b'</i> â€²]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.	14.6	663
13	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.	2.7	650
14	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.	7.6	618
15	Light-harvesting dendrimers. <i>Chemical Communications</i> , 2000, , 1701-1710.	4.2	616
16	Dendronized Linear Polymers via â€œClick Chemistryâ€œ. <i>Journal of the American Chemical Society</i> , 2004, 126, 15020-15021.	14.6	566
17	Stimuli-Responsive Supramolecular Assemblies of Linear-Dendritic Copolymers. <i>Journal of the American Chemical Society</i> , 2004, 126, 11936-11943.	14.6	536
18	pH-Responsive Copolymer Assemblies for Controlled Release of Doxorubicin. <i>Bioconjugate Chemistry</i> , 2005, 16, 361-368.	3.8	512

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19	Polyester Dendritic Systems for Drug Delivery Applications: An In Vitro and In Vivo Evaluation. <i>Bioconjugate Chemistry</i> , 2002, 13, 453-461.	3.8	489
20	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.	7.0	487
21	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.	1.2	464
22	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.	14.6	463
23	A new convergent approach to monodisperse dendritic macromolecules. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 1010-1013.	2.1	453
24	Incorporation of Furan into Low Band-Gap Polymers for Efficient Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 15547-15549.	14.6	445
25	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.	7.0	442
26	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.	14.6	441
27	Small-molecule-directed nanoparticle assembly towards stimuli-responsive nanocomposites. <i>Nature Materials</i> , 2009, 8, 979-985.	26.7	436
28	Increased light harvesting in dye-sensitized solar cells with energy relay dyes. <i>Nature Photonics</i> , 2009, 3, 406-411.	23.2	435
29	Molded Rigid Polymer Monoliths as Separation Media for Capillary Electrochromatography. <i>Analytical Chemistry</i> , 1997, 69, 3646-3649.	6.8	418
30	Acetal-Derivatized Dextran: An Acid-Responsive Biodegradable Material for Therapeutic Applications. <i>Journal of the American Chemical Society</i> , 2008, 130, 10494-10495.	14.6	417
31	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.	22.1	415
32	Molecular-weight-dependent mobilities in regioregular poly(3-hexyl-thiophene) diodes. <i>Applied Physics Letters</i> , 2005, 86, 122110.	3.3	413
33	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.	14.6	395
34	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.	6.8	389
35	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.	14.6	389
36	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.	14.6	385

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37	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.	7.6	384
38	Nanoporous Polymers for Hydrogen Storage. <i>Small</i> , 2009, 5, 1098-1111.	11.1	381
39	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.	24.1	358
40	A Biocompatible Oxidation-Triggered Carrier Polymer with Potential in Therapeutics. <i>Journal of the American Chemical Society</i> , 2011, 133, 756-758.	14.6	355
41	Reversible Photomechanical Switching of Individual Engineered Molecules at a Metallic Surface. <i>Physical Review Letters</i> , 2007, 99, 038301.	8.0	347
42	Synthetic Micelle Sensitive to IR Light via a Two-Photon Process. <i>Journal of the American Chemical Society</i> , 2005, 127, 9952-9953.	14.6	345
43	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.	6.8	343
44	Light Harvesting and Energy Transfer in Novel Convergent Constructed Dendrimers. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1422-1427.	14.7	330
45	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.	6.8	330
46	Dendrimers and supramolecular chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4782-4787.	7.6	323
47	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.	5.1	316
48	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.	14.6	314
49	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.	14.6	313
50	Polyester Dendritic Systems for Drug Delivery Applications: Design, Synthesis, and Characterization. <i>Bioconjugate Chemistry</i> , 2002, 13, 443-452.	3.8	311
51	High Surface Area Nanoporous Polymers for Reversible Hydrogen Storage. <i>Chemistry of Materials</i> , 2006, 18, 4430-4435.	7.0	309
52	Porous Polymer Coatings: a Versatile Approach to Superhydrophobic Surfaces. <i>Advanced Functional Materials</i> , 2009, 19, 1993-1998.	16.4	309
53	Direct Nanoimprinting of Metal Nanoparticles for Nanoscale Electronics Fabrication. <i>Nano Letters</i> , 2007, 7, 1869-1877.	9.5	303
54	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	295

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55	Acetals as pH-Sensitive Linkages for Drug Delivery. <i>Bioconjugate Chemistry</i> , 2004, 15, 1254-1263.	3.8	286
56	Fast and Convenient Divergent Synthesis of Aliphatic Ester Dendrimers by Anhydride Coupling. <i>Journal of the American Chemical Society</i> , 2001, 123, 5908-5917.	14.6	279
57	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.	14.6	278
58	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.	14.6	275
59	One-Pot Reaction Cascades Using Star Polymers with Core-Confined Catalysts. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6384-6387.	14.7	271
60	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.	7.6	267
61	An A2 + B3 Approach to Hyperbranched Aliphatic Polyethers Containing Chain End Epoxy Substituents. <i>Macromolecules</i> , 1999, 32, 6380-6382.	5.1	265
62	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.	2.2	264
63	Photocrosslinkable Polythiophenes for Efficient, Thermally Stable, Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2009, 19, 2273-2281.	16.4	261
64	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.	4.7	247
65	Dendrimers at surfaces and interfaces: chemistry and applications. <i>Chemical Communications</i> , 2001, , 1229-1239.	4.2	246
66	Biodegradable dendritic positron-emitting nanoprobes 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.	7.6	244
67	A new approach towards acid sensitive copolymer micelles for drug delivery. <i>Chemical Communications</i> , 2003, , 1640-1641.	4.2	241
68	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.	14.6	240
69	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.	3.8	239
70	Photografting and the Control of Surface Chemistry in Three-Dimensional Porous Polymer Monoliths. <i>Macromolecules</i> , 2003, 36, 1677-1684.	5.1	238
71	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.	2.8	232
72	Singlet Oxygen Generation via Two-Photon Excited FRET. <i>Journal of the American Chemical Society</i> , 2004, 126, 5380-5381.	14.6	232

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73	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.	2.4	225
74	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.	14.6	225
75	Dendrimer-Containing Light-Emitting Diodes: Toward Site-Isolation of Chromophores. <i>Journal of the American Chemical Society</i> , 2000, 122, 12385-12386.	14.6	224
76	Novel Polyether Copolymers Consisting of Linear and Dendritic Blocks. <i>Angewandte Chemie - International Edition</i> , 1992, 31, 1200-1202.	14.7	222
77	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.	14.6	218
78	A Liquid-Crystalline Polymer Network Built by Molecular Self-Assembly through Intermolecular Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 1994, 33, 1644-1645.	14.7	215
79	Control of Polymer-Packing Orientation in Thin Films through Synthetic Tailoring of Backbone Coplanarity. <i>Chemistry of Materials</i> , 2013, 25, 4088-4096.	7.0	212
80	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.	22.1	212
81	Development and application of polymeric monolithic stationary phases for capillary electrochromatography. <i>Journal of Chromatography A</i> , 2004, 1044, 3-22.	3.8	209
82	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.	14.6	208
83	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.	2.3	205
84	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.	6.8	204
85	Design of Dendritic Macromolecules Containing Folate or Methotrexate Residues. <i>Bioconjugate Chemistry</i> , 1999, 10, 1115-1121.	3.8	202
86	Stimuli-Responsive Hybrid Macromolecules: Novel Amphiphilic Star Copolymers With Dendritic Groups at the Periphery. <i>Journal of the American Chemical Society</i> , 1996, 118, 3785-3786.	14.6	200
87	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.	7.6	200
88	Preparation of Size-Selective Nanoporous Polymer Networks of Aromatic Rings: Potential Adsorbents for Hydrogen Storage. <i>Chemistry of Materials</i> , 2008, 20, 7069-7076.	7.0	199
89	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.	14.6	199
90	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.	14.6	196

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91	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.	22.1	195
92	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.	14.6	194
93	Efficiency and Fidelity in a Click-Chemistry Route to Triazole Dendrimers by the Copper(I)-Catalyzed Ligation of Azides and Alkynes. <i>Angewandte Chemie</i> , 2004, 116, 4018-4022.	2.1	191
94	Cascade energy transfer in a conformationally mobile multichromophoric dendrimer. <i>Chemical Communications</i> , 2002, , 2605-2607.	4.2	190
95	Flow Control Valves for Analytical Microfluidic Chips without Mechanical Parts Based on Thermally Responsive Monolithic Polymers. <i>Analytical Chemistry</i> , 2003, 75, 1958-1961.	6.8	190
96	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.	6.8	190
97	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.	14.6	189
98	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.	2.4	187
99	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.	7.0	187
100	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.	6.8	186
101	Synthesis, Characterization, and Field-Effect Transistor Performance of Carboxylate-Functionalized Polythiophenes with Increased Air Stability. <i>Chemistry of Materials</i> , 2005, 17, 4892-4899.	7.0	186
102	A Tandem Approach to Graft and Dendritic Graft Copolymers Based on "Living" Free Radical Polymerizations. <i>Angewandte Chemie - International Edition</i> , 1997, 36, 270-272.	14.7	185
103	Air stable high resolution organic transistors by selective laser sintering of ink-jet printed metal nanoparticles. <i>Applied Physics Letters</i> , 2007, 90, 141103.	3.3	184
104	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.	3.3	183
105	Novel Two-Photon Absorbing Dendritic Structures. <i>Chemistry of Materials</i> , 2000, 12, 2838-2841.	7.0	182
106	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.	7.0	181
107	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.	14.6	180
108	PEGylated Dendrimers with Core Functionality for Biological Applications. <i>Bioconjugate Chemistry</i> , 2008, 19, 461-469.	3.8	180

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109	Injection molded microfluidic chips featuring integrated interconnects. <i>Lab on A Chip</i> , 2006, 6, 1346-1354.	6.1	179
110	Hydrogen bonding and the self-assembly of supramolecular liquid-crystalline materials. <i>Macromolecular Symposia</i> , 1995, 98, 311-326.	0.7	174
111	Incorporation of carbon nanotubes in porous polymer monolithic capillary columns to enhance the chromatographic separation of small molecules. <i>Journal of Chromatography A</i> , 2011, 1218, 2546-2552.	3.8	174
112	Effect of Addition of a Diblock Copolymer on Blend Morphology and Performance of Poly(3-hexylthiophene):Perylene Diimide Solar Cells. <i>Chemistry of Materials</i> , 2009, 21, 1775-1777.	7.0	171
113	A Facile Approach to Superhydrophilic/Superhydrophobic Patterns in Porous Polymer Films. <i>Advanced Materials</i> , 2011, 23, 3030-3034.	24.1	171
114	All-Polymer Photovoltaic Devices of Poly(3-(4-n-octyl)-phenylthiophene) from Grignard Metathesis (GRIM) Polymerization. <i>Journal of the American Chemical Society</i> , 2009, 131, 14160-14161.	14.6	170
115	High Efficiency Organic Photovoltaics Incorporating a New Family of Soluble Fullerene Derivatives. <i>Chemistry of Materials</i> , 2007, 19, 2927-2929.	7.0	169
116	Approaches to the Design of Radiation-Sensitive Polymeric Imaging Systems with Improved Sensitivity and Resolution. <i>Journal of the Electrochemical Society</i> , 1986, 133, 181-187.	2.9	168
117	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. <i>Analytical Chemistry</i> , 2000, 72, 4614-4622.	6.8	168
118	Dendritic Initiators for "Living" Radical Polymerizations: A Versatile Approach to the Synthesis of Dendritic-Linear Block Copolymers. <i>Journal of the American Chemical Society</i> , 1996, 118, 11111-11118.	14.6	163
119	Design of reactive porous polymer supports for high throughput bioreactors: Poly(2-vinyl-4,4-dimethylazlactone-co-acrylamide-co-ethylene dimethacrylate) monoliths. <i>Biotechnology and Bioengineering</i> , 1999, 62, 30-35.	3.5	163
120	Encapsulation of Functional Moieties within Branched Star Polymers: Effect of Chain Length and Solvent on Site Isolation. <i>Journal of the American Chemical Society</i> , 2001, 123, 18-25.	14.6	162
121	Fully Acid-Degradable Biocompatible Polyacetal Microparticles for Drug Delivery. <i>Bioconjugate Chemistry</i> , 2008, 19, 911-919.	3.8	161
122	Isolation of Discrete Nanoparticle-DNA Conjugates for Plasmonic Applications. <i>Nano Letters</i> , 2008, 8, 1202-1206.	9.5	161
123	Surface Tension Mediated Conversion of Light to Work. <i>Journal of the American Chemical Society</i> , 2009, 131, 5396-5398.	14.6	161
124	Supramolecular Liquid-Crystalline Networks Built by Self-Assembly of Multifunctional Hydrogen-Bonding Molecules. <i>Chemistry of Materials</i> , 1996, 8, 961-968.	7.0	160
125	A Versatile New Monomer Family: Functionalized 4-Vinyl-1,2,3-Triazoles via Click Chemistry. <i>Journal of the American Chemical Society</i> , 2006, 128, 12084-12085.	14.6	159
126	Monolithic Stationary Phases for Capillary Electrochromatography Based on Synthetic Polymers: Designs and Applications. <i>Journal of High Resolution Chromatography</i> , 2000, 23, 3-18.	1.4	158

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127	Long-Term Thermal Stability of High-Efficiency Polymer Solar Cells Based on Photocrosslinkable Donor-Acceptor Conjugated Polymers. <i>Advanced Materials</i> , 2011, 23, 1660-1664.	24.1	157
128	Solvent-Resistant Organic Transistors and Thermally Stable Organic Photovoltaics Based on Cross-linkable Conjugated Polymers. <i>Chemistry of Materials</i> , 2012, 24, 215-221.	7.0	157
129	A Facile and Patternable Method for the Surface Modification of Carbon Nanotube Forests Using Perfluoroarylazides. <i>Journal of the American Chemical Society</i> , 2008, 130, 4238-4239.	14.6	156
130	The effect of polymer backbone chemistry on the induction of the accelerated blood clearance in polymer modified liposomes. <i>Journal of Controlled Release</i> , 2015, 213, 1-9.	10.3	156
131	Porous Polymer Monoliths: Preparation of Sorbent Materials with High-Surface Areas and Controlled Surface Chemistry for High-Throughput, Online, Solid-Phase Extraction of Polar Organic Compounds. <i>Chemistry of Materials</i> , 1998, 10, 4072-4078.	7.0	153
132	Bodipy-backed polymers as electron donor in bulk heterojunction solar cells. <i>Chemical Communications</i> , 2010, 46, 4148.	4.2	153
133	Dendritisch eingeschlossene aktive Zentren: Anwendung des Isolationsprinzips der Natur in der Biomimetik und den Materialwissenschaften. <i>Angewandte Chemie</i> , 2001, 113, 76-94.	2.1	152
134	Hyperscrosslinking: New approach to porous polymer monolithic capillary columns with large surface area for the highly efficient separation of small molecules. <i>Journal of Chromatography A</i> , 2010, 1217, 8212-8221.	3.8	152
135	The Effect of Macromolecular Architecture in Nanomaterials: A Comparison of Site Isolation in Porphyrin Core Dendrimers and Their Isomeric Linear Analogues. <i>Journal of the American Chemical Society</i> , 2002, 124, 3926-3938.	14.6	151
136	Printable polythiophene gas sensor array for low-cost electronic noses. <i>Journal of Applied Physics</i> , 2006, 100, 014506.	2.3	151
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