David Fournier

List of Publications by Year
in descending order

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42 papers	3,043 citations	236912 25 h-index	276858 41 g-index
42 all docs	42 docs citations	42 times ranked	4417 citing authors

#	Article	IF	Citations
1	Self-Oscillating Membranes with Polymer Interface Synchronized with Chemical Oscillator to Reproduce Lifelike Pulsatile Flow. Chemistry of Materials, 2021, 33, 998-1005.	6.7	4
2	Supramolecular control over pH- and temperature-responsive dialkoxynaphthalene-functionalized poly(2-(dimethylamino)ethyl methacrylate) in water. European Polymer Journal, 2021, 148, 110366.	5.4	3
3	In-situ SAXS/WAXS investigations of ureidopyrimidinone functionalized semi-crystalline poly(ethylene-co-butylene) supramolecular polymers. Polymer, 2021, 228, 123875.	3.8	8
4	Ultrafast Tailoring of Carbon Surfaces via Electrochemically Attached Triazolinediones. Langmuir, 2018, 34, 2397-2402.	3.5	13
5	Thermally reversible crosslinked copolymers: Solution and bulk behavior. Polymer, 2017, 117, 342-353.	3.8	8
6	Reversible Tethering of Polymers onto Catechol-Based Titanium Platforms. Langmuir, 2017, 33, 3434-3443.	3.5	3
7	Coumarin-containing thermoresponsive hyaluronic acid-based nanogels as delivery systems for anticancer chemotherapy. Nanoscale, 2017, 9, 12150-12162.	5.6	35
8	Dual thermo- and light-responsive coumarin-based copolymers with programmable cloud points. Polymer Chemistry, 2017, 8, 4512-4519.	3.9	26
9	Facile Access to Multistimuli-Responsive Self-Assembled Block Copolymers via a Catechol/Boronic Acid Ligation. Macromolecules, 2016, 49, 8925-8932.	4.8	24
10	Catechol/boronic acid chemistry for the creation of block copolymers with a multi-stimuli responsive junction. Polymer Chemistry, 2016, 7, 4682-4692.	3.9	18
11	Complexation of thermoresponsive dialkoxynaphthalene end-functionalized poly(oligoethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.9	21
12	A water-soluble supramolecular polymeric dual sensor for temperature and pH with an associated direct visible readout. European Polymer Journal, 2015, 69, 552-558.	5.4	25
13	Catechols as versatile platforms in polymer chemistry. Progress in Polymer Science, 2013, 38, 236-270.	24.7	509
14	Elaboration de plateformes biomimÃ©tiques Ã base de dopamine pour la fonctionnalisation du titane. MATEC Web of Conferences, 2013, 7, 04011.	0.2	0
15	Cooperativity in Aqueous Organometallic Catalysis: Contribution of Cyclodextrin-Substituted Polymers. ACS Catalysis, 2012, 2, 1417-1420.	11.2	42
16	Highly Efficient Ringâ€Opening Reaction of Azlactoneâ€Based Copolymer Platforms for the Design of Functionalized Materials. Macromolecular Rapid Communications, 2012, 33, 848-855.	3.9	20
17	Hostâ€“Guest Modulation of the Micellization of a Tetrathiafulvalene-Functionalized Poly(N-isopropylacrylamide). Macromolecules, 2011, 44, 6532-6538.	4.8	36
18	Functionalization of Titanium Surfaces with Polymer Brushes Prepared from a Biomimetic RAFT Agent. Macromolecules, 2011, 44, 5883-5892.	4.8	69

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19	Preparation and characterization of Zonyl-coated nanodiamonds with antifouling properties. Chemical Communications, 2011, 47, 5178.	4.1	21
20	Synthesis and Properties of Tetrathiafulvalene End-Functionalized Polymers Prepared via RAFT Polymerization. Macromolecules, 2010, 43, 82-90.	4.8	18
21	Solventâ€Resistant Nanofiltration for Product Purification and Catalyst Recovery in Click Chemistry Reactions. Chemistry - A European Journal, 2010, 16, 1061-1067.	3.3	43
22	Synthesis of thermoresponsive phenyl- and naphthyl-terminated poly(NIPAM) derivatives using RAFT and their complexation with cyclobis(paraquat-p-phenylene) derivatives in water. Polymer Chemistry, 2010, 1, 1024.	3.9	20
23	A â€œClickableâ€•Titanium Surface Platform. Langmuir, 2010, 26, 15920-15924.	3.5	47
24	Tetrathiafulvalene End-Functionalized Poly(N-isopropylacrylamide): A New Class of Amphiphilic Polymer for the Creation of Multistimuli Responsive Micelles. Journal of the American Chemical Society, 2010, 132, 10796-10801.	13.7	121
25	Starâ€Shaped Polyacrylates: Highly Functionalized Architectures via CuAAC Click Conjugation. Macromolecular Rapid Communications, 2009, 30, 2049-2055.	3.9	38
26	Step-growth polymerization and â€˜clickâ€™ chemistry: The oldest polymers rejuvenated. Polymer, 2009, 50, 3877-3886.	3.8	89
27	On-demand click functionalization of polyurethane films and foams. Polymer, 2009, 50, 5362-5367.	3.8	38
28	LCST: a powerful tool to control complexation between a dialkoxynaphthalene-functionalised poly(N-isopropylacrylamide) and CBPQT4+ in water. Chemical Communications, 2009, , 5266.	4.1	36
29	Click Chemistry and Step-Growth Polymerization: The Ideal Combination for the Rejuvenation of Industrial Polymers. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 145-164.	0.5	1
30	Combining â€œclickâ€•chemistry and stepâ€growth polymerization for the generation of highly functionalized polyesters. Journal of Polymer Science Part A, 2008, 46, 6552-6564.	2.3	59
31	Thermosensitive and Switchable Terpyridineâ€Functionalized Metalloâ€Supramolecular Poly(Nâ€isopropylacrylamide). Macromolecular Rapid Communications, 2008, 29, 1640-1647.	3.9	60
32	â€œClickâ€•Chemistry as a Promising Tool for Side-Chain Functionalization of Polyurethanes. Macromolecules, 2008, 41, 4622-4630.	4.8	124
33	Asymmetrical supramolecular interactions as basis for complex responsive macromolecular architectures. Chemical Communications, 2008, , 155-162.	4.1	67
34	Water uptake of hydrophilic polymers determined by a thermal gravimetric analyzer with a controlled humidity chamber. Journal of Materials Chemistry, 2007, 17, 4864.	6.7	119
35	Clicking polymers: a straightforward approach to novel macromolecular architectures. Chemical Society Reviews, 2007, 36, 1369.	38.1	736
36	Tunable pH- and Temperature-Sensitive Copolymer Libraries by Reversible Additionâ^'Fragmentation Chain Transfer Copolymerizations of Methacrylates. Macromolecules, 2007, 40, 915-920.	4.8	311

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37	Cu(II)-Mediated ATRP of MMA by Using a Novel Tetradentate Amine Ligand with Oligo(ethylene glycol) Pendant Groups. Macromolecular Rapid Communications, 2007, 28, 1161-1166.	3.9	47
38	Well-Defined Azlactone-Functionalized (Co)polymers on a Solid Support:Â Synthesis via Supported Living Radical Polymerization and Application as Nucleophile Scavengers. ACS Combinatorial Science, 2006, 8, 522-530.	3.3	47
39	Elaboration of well-defined Rasta resins and their use as supported catalytic systems for atom transfer radical polymerization. Journal of Polymer Science Part A, 2006, 44, 5316-5328.	2.3	32
40	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) as ligand for atom transfer radical polymerization (ATRP). European Polymer Journal, 2005, 41, 1576-1581.	5.4	25
41	Preparation and characterization of azlactone functionalized polymer supports and their application as scavengers. European Polymer Journal, 2004, 40, 2343-2348.	5.4	31
42	Copper-Mediated Living Radical Polymerization of 2-Vinyl-4,4-dimethyl-5-oxazolone. Macromolecules, 2004, 37, 330-335.	4.8	49