

# 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	Clicking polymers: a straightforward approach to novel macromolecular architectures. <i>Chemical Society Reviews</i> , 2007, 36, 1369.	38.1	736
2	Catechols as versatile platforms in polymer chemistry. <i>Progress in Polymer Science</i> , 2013, 38, 236-270.	24.7	509
3	Tunable pH- and Temperature-Sensitive Copolymer Libraries by Reversible Addition-Fragmentation Chain Transfer Copolymerizations of Methacrylates. <i>Macromolecules</i> , 2007, 40, 915-920.	4.8	311
4	Click Chemistry as a Promising Tool for Side-Chain Functionalization of Polyurethanes. <i>Macromolecules</i> , 2008, 41, 4622-4630.	4.8	124
5	Tetrathiafulvalene End-Functionalized Poly( <i>N</i> -isopropylacrylamide): A New Class of Amphiphilic Polymer for the Creation of Multistimuli Responsive Micelles. <i>Journal of the American Chemical Society</i> , 2010, 132, 10796-10801.	13.7	121
6	Water uptake of hydrophilic polymers determined by a thermal gravimetric analyzer with a controlled humidity chamber. <i>Journal of Materials Chemistry</i> , 2007, 17, 4864.	6.7	119
7	Step-growth polymerization and click chemistry: The oldest polymers rejuvenated. <i>Polymer</i> , 2009, 50, 3877-3886.	3.8	89
8	Functionalization of Titanium Surfaces with Polymer Brushes Prepared from a Biomimetic RAFT Agent. <i>Macromolecules</i> , 2011, 44, 5883-5892.	4.8	69
9	Asymmetrical supramolecular interactions as basis for complex responsive macromolecular architectures. <i>Chemical Communications</i> , 2008, , 155-162.	4.1	67
10	Thermosensitive and Switchable Terpyridine-Functionalized Metallo-Supramolecular Poly( <i>N</i> -isopropylacrylamide). <i>Macromolecular Rapid Communications</i> , 2008, 29, 1640-1647.	3.9	60
11	Combining click chemistry and step-growth polymerization for the generation of highly functionalized polyesters. <i>Journal of Polymer Science Part A</i> , 2008, 46, 6552-6564.	2.3	59
12	Copper-Mediated Living Radical Polymerization of 2-Vinyl-4,4-dimethyl-5-oxazolone. <i>Macromolecules</i> , 2004, 37, 330-335.	4.8	49
13	Well-Defined Azlactone-Functionalized (Co)polymers on a Solid Support: Synthesis via Supported Living Radical Polymerization and Application as Nucleophile Scavengers. <i>ACS Combinatorial Science</i> , 2006, 8, 522-530.	3.3	47
14	Cu(II)-Mediated ATRP of MMA by Using a Novel Tetradentate Amine Ligand with Oligo(ethylene glycol) Pendant Groups. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1161-1166.	3.9	47
15	A Clickable Titanium Surface Platform. <i>Langmuir</i> , 2010, 26, 15920-15924.	3.5	47
16	Solvent-Resistant Nanofiltration for Product Purification and Catalyst Recovery in Click Chemistry Reactions. <i>Chemistry - A European Journal</i> , 2010, 16, 1061-1067.	3.3	43
17	Cooperativity in Aqueous Organometallic Catalysis: Contribution of Cyclodextrin-Substituted Polymers. <i>ACS Catalysis</i> , 2012, 2, 1417-1420.	11.2	42
18	Star-Shaped Polyacrylates: Highly Functionalized Architectures via CuAAC Click Conjugation. <i>Macromolecular Rapid Communications</i> , 2009, 30, 2049-2055.	3.9	38

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19	On-demand click functionalization of polyurethane films and foams. <i>Polymer</i> , 2009, 50, 5362-5367.	3.8	38
20	LCST: a powerful tool to control complexation between a dialkoxynaphthalene-functionalised poly(N-isopropylacrylamide) and CBPQT4+ in water. <i>Chemical Communications</i> , 2009, , 5266.	4.1	36
21	Host-Guest Modulation of the Micellization of a Tetrathiafulvalene-Functionalized Poly(N-isopropylacrylamide). <i>Macromolecules</i> , 2011, 44, 6532-6538.	4.8	36
22	Coumarin-containing thermoresponsive hyaluronic acid-based nanogels as delivery systems for anticancer chemotherapy. <i>Nanoscale</i> , 2017, 9, 12150-12162.	5.6	35
23	Elaboration of well-defined Rasta resins and their use as supported catalytic systems for atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5316-5328.	2.3	32
24	Preparation and characterization of azlactone functionalized polymer supports and their application as scavengers. <i>European Polymer Journal</i> , 2004, 40, 2343-2348.	5.4	31
25	Dual thermo- and light-responsive coumarin-based copolymers with programmable cloud points. <i>Polymer Chemistry</i> , 2017, 8, 4512-4519.	3.9	26
26	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) as ligand for atom transfer radical polymerization (ATRP). <i>European Polymer Journal</i> , 2005, 41, 1576-1581.	5.4	25
27	A water-soluble supramolecular polymeric dual sensor for temperature and pH with an associated direct visible readout. <i>European Polymer Journal</i> , 2015, 69, 552-558.	5.4	25
28	Facile Access to Multistimuli-Responsive Self-Assembled Block Copolymers via a Catechol/Boronic Acid Ligation. <i>Macromolecules</i> , 2016, 49, 8925-8932.	4.8	24
29	Preparation and characterization of Zonyl-coated nanodiamonds with antifouling properties. <i>Chemical Communications</i> , 2011, 47, 5178.	4.1	21
30	Complexation of thermoresponsive dialkoxynaphthalene end-functionalized poly(oligoethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	3.9	21
31	Synthesis of thermoresponsive phenyl- and naphthyl-terminated poly(NIPAM) derivatives using RAFT and their complexation with cyclobis(paraquat-p-phenylene) derivatives in water. <i>Polymer Chemistry</i> , 2010, 1, 1024.	3.9	20
32	Highly Efficient Ring-Opening Reaction of Azlactone-Based Copolymer Platforms for the Design of Functionalized Materials. <i>Macromolecular Rapid Communications</i> , 2012, 33, 848-855.	3.9	20
33	Synthesis and Properties of Tetrathiafulvalene End-Functionalized Polymers Prepared via RAFT Polymerization. <i>Macromolecules</i> , 2010, 43, 82-90.	4.8	18
34	Catechol/boronic acid chemistry for the creation of block copolymers with a multi-stimuli responsive junction. <i>Polymer Chemistry</i> , 2016, 7, 4682-4692.	3.9	18
35	Ultrafast Tailoring of Carbon Surfaces via Electrochemically Attached Triazolinediones. <i>Langmuir</i> , 2018, 34, 2397-2402.	3.5	13
36	Thermally reversible crosslinked copolymers: Solution and bulk behavior. <i>Polymer</i> , 2017, 117, 342-353.	3.8	8

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37	In-situ SAXS/WAXS investigations of ureidopyrimidinone functionalized semi-crystalline poly(ethylene-co-butylene) supramolecular polymers. <i>Polymer</i> , 2021, 228, 123875.	3.8	8
38	Self-Oscillating Membranes with Polymer Interface Synchronized with Chemical Oscillator to Reproduce Lifelike Pulsatile Flow. <i>Chemistry of Materials</i> , 2021, 33, 998-1005.	6.7	4
39	Reversible Tethering of Polymers onto Catechol-Based Titanium Platforms. <i>Langmuir</i> , 2017, 33, 3434-3443.	3.5	3
40	Supramolecular control over pH- and temperature-responsive dialkoxynaphthalene-functionalized poly(2-(dimethylamino)ethyl methacrylate) in water. <i>European Polymer Journal</i> , 2021, 148, 110366.	5.4	3
41	Click Chemistry and Step-Growth Polymerization: The Ideal Combination for the Rejuvenation of Industrial Polymers. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2009, , 145-164.	0.5	1
42	Elaboration de plateformes biomimétiques à base de dopamine pour la fonctionnalisation du titane. <i>MATEC Web of Conferences</i> , 2013, 7, 04011.	0.2	0