

Didier Gignes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

150
papers

6,794
citations

43
h-index

78
g-index

155
ext. papers

7,967
ext. citations

7.2
avg, IF

6
L-index

#	Paper	IF	Citations
150	Enantioselective Radical Reactions Using Chiral Catalysts.. <i>Chemical Reviews</i> , 2022 ,	68.1	22
149	One-Step Synthesis of Degradable Vinylic Polymer-Based Latexes via Aqueous Radical Emulsion Polymerization.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	5
148	Thionolactone as Resin Additive to Prepare (bio)degradable 3D Objects via VAT Photopolymerization.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	1
147	Storing the portrait of Antoine de Lavoisier in a single macromolecule. <i>Comptes Rendus Chimie</i> , 2021 , 24, 69-76	2.7	3
146	Triple Stack of a Viologen Derivative in a CB[10] Pair. <i>Organic Letters</i> , 2021 , 23, 5283-5287	6.2	3
145	Dyes with tunable absorption properties from the visible to the near infrared range: 2,4,5,7-Tetranitrofluorene (TNF) as a unique electron acceptor. <i>Dyes and Pigments</i> , 2021 , 189, 109250	4.6	2
144	Photolabile Well-Defined Polystyrene Grafted on Silica Nanoparticle via Nitroxide-Mediated Polymerization (NMP). <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100181	4.8	2
143	Mechanistic Investigation of α -Thiono-Caprolactone Radical Polymerization: An Interesting Tool to Insert Weak Bonds into Poly(vinyl esters). <i>ACS Applied Polymer Materials</i> , 2021 , 3, 3264-3271	4.3	6
142	Switching from Single to Simultaneous Free-Radical and Anionic Polymerization with Enamine-Based Organic Electron Donors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19389-19396	16.4	3
141	Near-infrared light for polymer re-shaping and re-processing applications. <i>Journal of Polymer Science</i> , 2021 , 59, 2193-2200	2.4	9
140	Switching from Single to Simultaneous Free-Radical and Anionic Polymerization with Enamine-Based Organic Electron Donors. <i>Angewandte Chemie</i> , 2021 , 133, 19538-19545	3.6	
139	Synthesis, optical and electrochemical properties of a series of push-pull dyes based on the 2-(3-cyano-4,5,5-trimethylfuran-2(5H)-ylidene)malononitrile (TCF) acceptor. <i>Dyes and Pigments</i> , 2021 , 184, 108807	4.6	13
138	Bis-chalcone derivatives derived from natural products as near-UV/visible light sensitive photoinitiators for 3D/4D printing. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 901-916	7.8	24
137	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. <i>Angewandte Chemie</i> , 2021 , 133, 930-939	3.6	0
136	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 917-926	16.4	6
135	Synthesis, and the optical and electrochemical properties of a series of push-pull dyes based on the 4-(9-ethyl-9H-carbazol-3-yl)-4-phenylbuta-1,3-dienyl donor. <i>New Journal of Chemistry</i> , 2021 , 45, 5808-5821	3.6	3
134	DA dyads and ADA triads based on ferrocene: push-pull dyes with unusual behaviours in solution. <i>New Journal of Chemistry</i> , 2021 , 45, 13475-13498	3.6	1

133	Advances in amphiphilic polylactide/vinyl polymer based nano-assemblies for drug delivery. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102483	14.3	5
132	Reactive Desorption Electrospray Ionization Mass Spectrometry To Determine Intrinsic Degradability of Poly(lactic--glycolic acid) Chains. <i>Analytical Chemistry</i> , 2021 , 93, 12041-12048	7.8	1
131	Synthesis, optical and electrochemical properties of a series of push-pull dyes based on the 4,4-bis(4-methoxy phenyl)butadienyl donor. <i>Dyes and Pigments</i> , 2021 , 194, 109552	4.6	2
130	Poly(ethylene oxide) grafted silica nanoparticles: efficient routes of synthesis with associated colloidal stability. <i>Soft Matter</i> , 2021 , 17, 6552-6565	3.6	3
129	New multifunctional benzophenone-based photoinitiators with high migration stability and their applications in 3D printing. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1982-1994	7.8	21
128	Ketone derivatives as photoinitiators for both radical and cationic photopolymerizations under visible LED and application in 3D printing. <i>European Polymer Journal</i> , 2020 , 132, 109737	5.2	26
127	Delayed Injection of a Physically Cross-Linked PNIPAAm--PEG Hydrogel in Rat Contused Spinal Cord Improves Functional Recovery. <i>ACS Omega</i> , 2020 , 5, 10247-10259	3.9	7
126	New Donor-Acceptor Stenhouse Adducts as Visible and Near Infrared Light Polymerization Photoinitiators. <i>Molecules</i> , 2020 , 25,	4.8	10
125	High-Capacity Digital Polymers: Storing Images in Single Molecules. <i>Macromolecules</i> , 2020 , 53, 4022-4029	3.5	23
124	Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14517-14526	16.4	8
123	Laser Direct Writing of Arbitrary Complex Polymer Microstructures by Nitroxide-Mediated Photopolymerization. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30779-30786	9.5	8
122	Photoinitiators derived from natural product scaffolds: monochalcones in three-component photoinitiating systems and their applications in 3D printing. <i>Polymer Chemistry</i> , 2020 , 11, 4647-4659	4.9	43
121	Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. <i>Angewandte Chemie</i> , 2020 , 132, 14625-14634	3.6	3
120	Monocomponent Photoinitiators based on Benzophenone-Carbazole Structure for LED Photoinitiating Systems and Application on 3D Printing. <i>Polymers</i> , 2020 , 12,	4.5	25
119	Light-Induced Thermal Decomposition of Alkoxyamines upon Infrared CO Laser: Toward Spatially Controlled Polymerization of Methacrylates in Laser Write Experiments. <i>ACS Omega</i> , 2020 , 5, 3043-3046	3.9	8
118	Mesolytic Versus Homolytic Cleavage in Photochemical Nitroxide-Mediated Polymerization. <i>Macromolecules</i> , 2020 , 53, 1567-1572	5.5	5
117	Inputs of Macromolecular Engineering in the Design of Injectable Hydrogels Based on Synthetic Thermoresponsive Polymers. <i>Macromolecules</i> , 2020 , 53, 682-692	5.5	14
116	Synthesis of polyisoprene, polybutadiene and Styrene Butadiene Rubber grafted silica nanoparticles by nitroxide-mediated polymerization. <i>Polymer</i> , 2020 , 190, 122190	3.9	12

115	Free Radical Photopolymerization and 3D Printing Using Newly Developed Dyes: Indane-1,3-Dione and 1H-Cyclopentanaphthalene-1,3-Dione Derivatives as Photoinitiators in Three-Component Systems. <i>Catalysts</i> , 2020 , 10, 463	4	28
114	A Sacrificial PLA Block Mediated Route to Injectable and Degradable PNIPAAm-Based Hydrogels. <i>Polymers</i> , 2020 , 12,	4-5	5
113	Poly lactide-Based Reactive Micelles as a Robust Platform for mRNA Delivery. <i>Pharmaceutical Research</i> , 2020 , 37, 30	4-5	17
112	Free-radical polymerization upon near-infrared light irradiation, merging photochemical and photothermal initiating methods. <i>Journal of Polymer Science</i> , 2020 , 58, 300-308	2-4	19
111	New push-pull dyes based on 2-(3-oxo-2,3-dihydro-1H-cyclopenta[b]naphthalen-1-ylidene)malononitrile: An amine-directed synthesis. <i>Dyes and Pigments</i> , 2020 , 175, 108182	4-6	10
110	Novel PushPull Dyes Derived from 1H-cyclopenta[b]naphthalene-1,3(2H)-dione as Versatile Photoinitiators for Photopolymerization and Their Related Applications: 3D Printing and Fabrication of Photocomposites. <i>Catalysts</i> , 2020 , 10, 1196	4	21
109	Novel ketone derivative-based photoinitiating systems for free radical polymerization under mild conditions and 3D printing. <i>Polymer Chemistry</i> , 2020 , 11, 5767-5777	4-9	23
108	DFT-calculation-assisted prediction of the copolymerization between cyclic ketene acetals and traditional vinyl monomers. <i>Polymer Chemistry</i> , 2020 , 11, 7159-7169	4-9	9
107	Selective Bond Cleavage in Informational Poly(Alkoxyamine Phosphodiester)s. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000215	4-8	4
106	Morphologies of Polyisoprene-Grafted Silica Nanoparticles in Model Elastomers. <i>Macromolecules</i> , 2019 , 52, 7638-7645	5-5	11
105	Push-Pull Chromophores Based on the Naphthalene Scaffold: Potential Candidates for Optoelectronic Applications. <i>Materials</i> , 2019 , 12,	3-5	20
104	Redox two-component initiated free radical and cationic polymerizations: Concepts, reactions and applications. <i>Progress in Polymer Science</i> , 2019 , 94, 33-56	29-6	36
103	Functionalization of poly(lactide) with N-phenyl maleimide using N-acetoxy-phthalimide during reactive extrusion. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 917-928	2-5	1
102	Ferrocene-based (photo)redox polymerization under long wavelengths. <i>Polymer Chemistry</i> , 2019 , 10, 1431-1441	4-9	31
101	A Cucurbit[8]uril 2:2 Complex with a Negative pK Shift. <i>Chemistry - A European Journal</i> , 2019 , 25, 12552-12559	12-5	10
100	New 1,8-Naphthalimide Derivatives as Photoinitiators for Free-Radical Polymerization Upon Visible Light. <i>Catalysts</i> , 2019 , 9, 637	4	25
99	Acyloxyimide derivatives as efficient promoters of polyolefin C-H functionalization: application in the melt grafting of maleic anhydride onto polyethylene. <i>Polymer Chemistry</i> , 2019 , 10, 4336-4345	4-9	5
98	Unprecedented Nucleophilic Attack of Piperidine on the Electron Acceptor during the Synthesis of Push-Pull Dyes by a Knoevenagel Reaction. <i>Helvetica Chimica Acta</i> , 2019 , 102, e1900229	2	17

97	A single-crystal-to-single-crystal transformation affording photochromic 3D MORF crystals. <i>Chemical Communications</i> , 2019 , 55, 13824-13827	5.8	15
96	Design of Iodonium Salts for UV or Near-UV LEDs for Photoacid Generator and Polymerization Purposes. <i>Molecules</i> , 2019 , 25,	4.8	27
95	Melt radical grafting of diethylmaleate and maleic anhydride onto oligoamide-11 (OA11) and polyamide-11 (PA11) in presence of acyloxyimide derivatives: Toward the compatibilization of PA11/EVOH blends. <i>Materials Today Communications</i> , 2019 , 19, 271-276	2.5	2
94	Recent Advances and Challenges in the Design of Organic Photoacid and Photobase Generators for Polymerizations. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10410-10422	16.4	65
93	Chemical modification of poly(lactic acid) induced by thermal decomposition of N-acetoxy-phthalimide during extrusion. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 120-129	2.5	3
92	Ultra-Fast Synthesis of Multivalent Radical Nanoparticles by Ring-Opening Metathesis Polymerization-Induced Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4725-4731	16.4	41
91	Ultraschnelle Synthese multivalenter radikalischer Nanopartikel durch ringöffnende Metathesepolymerisations-induzierte Selbstorganisation. <i>Angewandte Chemie</i> , 2019 , 131, 4775-4781	3.6	5
90	Degradable and Injectable Hydrogel for Drug Delivery in Soft Tissues. <i>Biomacromolecules</i> , 2019 , 20, 149-163	6.3	53
89	Copper-Based (Photo)redox Initiating Systems as Highly Efficient Systems for Interpenetrating Polymer Network Preparation. <i>Macromolecules</i> , 2018 , 51, 679-688	5.5	27
88	Light-Sensitive Alkoxyamines as Versatile Spatially- and Temporally- Controlled Precursors of Alkyl Radicals and Nitroxides. <i>Journal of the American Chemical Society</i> , 2018 , 140, 3339-3344	16.4	20
87	N-[2-(Dimethylamino)ethyl]-1,8-naphthalimide derivatives as photoinitiators under LEDs. <i>Polymer Chemistry</i> , 2018 , 9, 994-1003	4.9	48
86	Adduction of ammonium to polylactides to modify their dissociation behavior in collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 423-430	2.2	3
85	Catalyst- and Initiator-Free Radical Addition under Mild Conditions: A Macromolecular Conjugation Tool. <i>Chemistry - A European Journal</i> , 2018 , 24, 3699-3702	4.8	2
84	Naphthalimide-Tertiary Amine Derivatives as Blue-Light-Sensitive Photoinitiators. <i>ChemPhotoChem</i> , 2018 , 2, 481-489	3.3	33
83	Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. <i>Macromolecules</i> , 2018 , 51, 5628-5637	5.5	28
82	Metal Actuated Ring Translocation Switches in Water. <i>Organic Letters</i> , 2018 , 20, 3187-3191	6.2	18
81	Simulation of the Degradation of Cyclic Ketene Acetal and Vinyl-Based Copolymers Synthesized via a Radical Process: Influence of the Reactivity Ratios on the Degradability Properties. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800193	4.8	33
80	A pH-driven ring translocation switch against cancer cells. <i>Chemical Communications</i> , 2018 , 54, 13825-13828	3.8	14

79	Preparation of PVDF-grafted-PS involving nitroxides. <i>European Polymer Journal</i> , 2018 , 109, 55-63	5.2	8
78	New Synthetic Route to an Highly Efficient Photoredox Catalyst by Mechanochemistry. <i>ACS Omega</i> , 2018 , 3, 10938-10944	3.9	13
77	Radical Ring-Opening Polymerization: Scope, Limitations, and Application to (Bio)Degradable Materials. <i>Chemical Reviews</i> , 2017 , 117, 1319-1406	68.1	153
76	Improving bioassay sensitivity through immobilization of bio-probes onto reactive micelles. <i>Chemical Communications</i> , 2017 , 53, 8062-8065	5.8	4
75	A comprehensive kinetic study of the conventional free-radical polymerization of seven-membered cyclic ketene acetals. <i>Polymer Chemistry</i> , 2017 , 8, 5139-5147	4.9	20
74	Carbazole Scaffold Based Photoinitiator/Photoredox Catalysts: Toward New High Performance Photoinitiating Systems and Application in LED Projector 3D Printing Resins. <i>Macromolecules</i> , 2017 , 50, 2747-2758	5.5	92
73	Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16515-16520	16.4	34
72	Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. <i>Angewandte Chemie</i> , 2017 , 129, 16742-16747	3.6	8
71	Carbazole Derivatives with Thermally Activated Delayed Fluorescence Property as Photoinitiators/Photoredox Catalysts for LED 3D Printing Technology. <i>Macromolecules</i> , 2017 , 50, 4913-4926	5.5	74
70	Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. <i>Molecules</i> , 2017 , 22,	4.8	41
69	Organic Electronics: An El Dorado in the Quest of New Photocatalysts for Polymerization Reactions. <i>Accounts of Chemical Research</i> , 2016 , 49, 1980-9	24.3	66
68	Light-active azaphenanthrene alkoxyamines: fast and efficient mediators of a photo-induced persistent radical effect. <i>RSC Advances</i> , 2016 , 6, 80328-80333	3.7	12
67	Iron complexes as potential photocatalysts for controlled radical photopolymerizations: A tool for modifications and patterning of surfaces. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 702-713	2.5	58
66	Novel naphthalimideimine based photoinitiators operating under violet and blue LEDs and usable for various polymerization reactions and synthesis of hydrogels. <i>Polymer Chemistry</i> , 2016 , 7, 418-429	4.9	52
65	Polymerization Initiated by Organic Electron Donors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5994-9	16.4	19
64	Polymerization Initiated by Organic Electron Donors. <i>Angewandte Chemie</i> , 2016 , 128, 6098-6103	3.6	13
63	Chemoselective Synthesis of Uniform Sequence-Coded Polyurethanes and Their Use as Molecular Tags. <i>Chem</i> , 2016 , 1, 114-126	16.2	75
62	Combined nitroxide mediated radical polymerization techniques for block copolymer synthesis. <i>Tetrahedron</i> , 2016 , 72, 7672-7685	2.4	28

61	New role of aminothiazonaphthalimide derivatives: outstanding photoinitiators for cationic and radical photopolymerizations under visible LEDs. <i>RSC Advances</i> , 2016 , 6, 48684-48693	3.7	23
60	Solution-processed blue phosphorescent OLEDs with carbazole-based polymeric host materials. <i>Organic Electronics</i> , 2015 , 25, 21-30	3.5	31
59	Effect of nitroxyl-based radicals on the melt radical grafting of maleic anhydride onto polyethylene in presence of a peroxide. <i>European Polymer Journal</i> , 2015 , 66, 342-351	5.2	12
58	Structure Design of Naphthalimide Derivatives: Toward Versatile Photoinitiators for Near-UV/Visible LEDs, 3D Printing, and Water-Soluble Photoinitiating Systems. <i>Macromolecules</i> , 2015 , 48, 2054-2063	5.5	139
57	Iodonium-polyoxometalate and thianthrenium-polyoxometalate as new one-component UV photoinitiators for radical and cationic polymerization. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 981-989	2.5	29
56	UV-Induced Micropatterning of Complex Functional Surfaces by Photopolymerization Controlled by Alkoxyamines. <i>Langmuir</i> , 2015 , 31, 10026-36	4	26
55	Photoredox catalysis using a new iridium complex as an efficient toolbox for radical, cationic and controlled polymerizations under soft blue to green lights. <i>Polymer Chemistry</i> , 2015 , 6, 613-624	4.9	74
54	Visible light sensitive photoinitiating systems: Recent progress in cationic and radical photopolymerization reactions under soft conditions. <i>Progress in Polymer Science</i> , 2015 , 41, 32-66	29.6	364
53	Novel polymer synthesis methodologies using combinations of thermally- and photochemically-induced nitroxide mediated polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 754-763	4.9	37
52	Preparation and in vitro evaluation of imiquimod loaded polylactide-based micelles as potential vaccine adjuvants. <i>Pharmaceutical Research</i> , 2015 , 32, 311-20	4.5	25
51	Specific cationic photoinitiators for near UV and visible LEDs: Iodonium versus ferrocenium structures. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	59
50	Naphthalimide Derivatives: Substituent Effects on the Photoinitiating Ability in Polymerizations under Near UV, Purple, White and Blue LEDs (385, 395, 405, 455, or 470 nm). <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1782-1790	2.6	38
49	Naphthalimide-phthalimide derivative based photoinitiating systems for polymerization reactions under blue lights. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 665-674	2.5	41
48	Reactive nanoprecipitation—a one-step route to functionalized polylactide-based nanoparticles. <i>RSC Advances</i> , 2015 , 5, 103060-103063	3.7	1
47	A benzophenone-naphthalimide derivative as versatile photoinitiator of polymerization under near UV and visible lights. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 445-451	2.5	74
46	Structural Effects in the Indanedione Skeleton for the Design of Low Intensity 300-500 nm Light Sensitive Initiators.. <i>Macromolecules</i> , 2014 , 47, 26-34	5.5	67
45	Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. <i>Polymer Chemistry</i> , 2014 , 5, 2293	4.9	65
44	Julolidine or Fluorenone Based Push-Pull Dyes for Polymerization upon Soft Polychromatic Visible Light or Green Light.. <i>Macromolecules</i> , 2014 , 47, 106-112	5.5	75

43	Blue Light Sensitive Dyes for Various Photopolymerization Reactions: Naphthalimide and Naphthalic Anhydride Derivatives.. <i>Macromolecules</i> , 2014 , 47, 601-608	5.5	86
42	End capped polyenic structures as visible light sensitive photoinitiators for polymerization of vinyl ethers. <i>Dyes and Pigments</i> , 2014 , 105, 121-129	4.6	22
41	Repair of the injured spinal cord by implantation of a synthetic degradable block copolymer in rat. <i>Biomaterials</i> , 2014 , 35, 6248-58	15.6	25
40	Copper Complexes in Radical Photoinitiating Systems: Applications to Free Radical and Cationic Polymerization upon Visible LEDs. <i>Macromolecules</i> , 2014 , 47, 3837-3844	5.5	127
39	Michler's Ketone as an Interesting Scaffold for the Design of High-Performance Dyes in Photoinitiating Systems Upon Visible Light. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 783-790	2.6	22
38	Nitroxide Mediated Photopolymerization: A Versatile Tool for the Fabrication of Complex Multilayer Polyfunctional Copolymer Nanostructures. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400067	4.6	21
37	Photoinitiating systems of polymerization and in situ incorporation of metal nanoparticles into polymer matrices upon exposure to visible light: pushpull malonate and malononitrile based dyes. <i>Polymer Chemistry</i> , 2013 , 4, 5679	4.9	39
36	In situ nitroxide-mediated polymerization of styrene promoted by the N-tert-butyl- β -isopropyl nitroxide/bpo pair: ESR investigations. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 1786-1795	2.5	2
35	Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. <i>Polymer Chemistry</i> , 2013 , 4, 4776	4.9	33
34	Nitroxide-mediated polymerization. <i>Progress in Polymer Science</i> , 2013 , 38, 63-235	29.6	1023
33	Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. <i>Polymer Chemistry</i> , 2013 , 4, 5440	4.9	98
32	Degradable and comb-like PEG-based copolymers by nitroxide-mediated radical ring-opening polymerization. <i>Biomacromolecules</i> , 2013 , 14, 3769-79	6.9	78
31	Multicolor Photoinitiators for Radical and Cationic Polymerization: Monofunctional vs Polyfunctional Thiophene Derivatives. <i>Macromolecules</i> , 2013 , 46, 6786-6793	5.5	68
30	Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. <i>ACS Macro Letters</i> , 2013 , 2, 736-740	6.6	66
29	N-Acetoxy-phthalimide (NAPI) as a new H-abstracting agent at high temperature: application to the melt functionalization of polyethylene. <i>Polymer Chemistry</i> , 2013 , 4, 2676	4.9	17
28	A multicolor photoinitiator for cationic polymerization and interpenetrated polymer network synthesis: 2,7-di-tert-butyl dimethyl dihydropyrene. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1104-9	4.8	39
27	PushPull (thio)barbituric acid derivatives in dye photosensitized radical and cationic polymerization reactions under 457/473 nm laser beams or blue LEDs. <i>Polymer Chemistry</i> , 2013 , 4, 3866	4.9	72
26	New PushPull Dyes Derived from Michler's Ketone For Polymerization Reactions Upon Visible Lights.. <i>Macromolecules</i> , 2013 , 46, 3761-3770	5.5	92

25	Blue-to-Red Light Sensitive PushPull Structured Photoinitiators: Indanedione Derivatives for Radical and Cationic Photopolymerization Reactions. <i>Macromolecules</i> , 2013 , 46, 3332-3341	5.5	82
24	Red-light-induced cationic photopolymerization: perylene derivatives as efficient photoinitiators. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1452-8	4.8	63
23	Elaboration of glycopolymer-functionalized micelles from an N-vinylpyrrolidone/lactide-based reactive copolymer platform. <i>Macromolecular Bioscience</i> , 2013 , 13, 1213-20	5.5	22
22	The use of poly(N-[2-hydroxypropyl]-methacrylamide) hydrogel to repair a T10 spinal cord hemisection in rat: a behavioural, electrophysiological and anatomical examination. <i>ASN Neuro</i> , 2013 , 5, 149-66	5.3	26
21	Polymer-Grafted Magnetic Nanoparticles in Nanocomposites: Curvature Effects, Conformation of Grafted Chain, and Bimodal Nanotriggering of Filler Organization by Combination of Chain Grafting and Magnetic Field. <i>Macromolecules</i> , 2012 , 45, 9220-9231	5.5	31
20	Iridium (III) complexes as promising emitters for solid-state Light-Emitting Electrochemical Cells (LECs). <i>International Journal of Nanotechnology</i> , 2012 , 9, 377	1.5	49
19	Intermolecular radical 1,2-addition of the BlocBuilder MA alkoxyamine onto activated olefins: a versatile tool for the synthesis of complex macromolecular architecture. <i>Polymer Chemistry</i> , 2011 , 2, 1624	4.9	31
18	Polymer-Grafted-Nanoparticles Nanocomposites: Dispersion, Grafted Chain Conformation, and Rheological Behavior. <i>Macromolecules</i> , 2011 , 44, 122-133	5.5	263
17	Kinetic subtleties of nitroxide mediated polymerization. <i>Chemical Society Reviews</i> , 2011 , 40, 2189-98	58.5	145
16	Efficient dual radical/cationic photoinitiator under visible light: a new concept. <i>Polymer Chemistry</i> , 2011 , 2, 1986	4.9	165
15	Elaboration of densely functionalized polylactide nanoparticles from N-acryloxysuccinimide-based block copolymers. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1341-1350	2.5	21
14	Toward Nitroxide-Mediated Photopolymerization. <i>Macromolecules</i> , 2010 , 43, 2204-2212	5.5	162
13	SG1-Functionalized Peptides as Precursors for PolymerPeptide Conjugates: A Straightforward Approach. <i>Macromolecules</i> , 2010 , 43, 4864-4870	5.5	39
12	Facile Synthesis of Innocuous Comb-Shaped Polymethacrylates with PEG Side Chains by Nitroxide-Mediated Radical Polymerization in Hydroalcoholic Solutions. <i>Macromolecules</i> , 2010 , 43, 9291-9303	5.5	68
11	Convenient access to biocompatible block copolymers from SG1-based aliphatic polyester macro-alkoxyamines. <i>Biomacromolecules</i> , 2009 , 10, 1436-45	6.9	37
10	Polystyrene grafting from silica nanoparticles via nitroxide-mediated polymerization (NMP): synthesis and SANS analysis with the contrast variation method. <i>Soft Matter</i> , 2009 , 5, 3741	3.6	70
9	Effect of the Penultimate Unit on the C?ON Bond Homolysis in SG1-Based Alkoxyamines. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 220-224	2.6	33
8	SG1-based alkoxyamine bearing a N-succinimidyl ester: A versatile tool for advanced polymer synthesis. <i>Polymer</i> , 2008 , 49, 3639-3647	3.9	94

7	Intermolecular radical addition of alkoxyamines onto olefins: An easy access to advanced macromolecular architectures precursors. <i>Polymer</i> , 2007 , 48, 5219-5225	3.9	54
6	Nitroxide-Mediated Polymerization: The Pivotal Role of the k_d Value of the Initiating Alkoxyamine and the Importance of the Experimental Conditions. <i>Macromolecules</i> , 2006 , 39, 5238-5250	5.5	149
5	Polar, Steric, and Stabilization Effects in Alkoxyamines C-O-N Bond Homolysis: A Multiparameter Analysis. <i>Macromolecules</i> , 2005 , 38, 2638-2650	5.5	135
4	Factors influencing C-ON bond homolysis in alkoxyamines: unexpected behavior of SG1 (N-(2-methyl-2-propyl)-N-(1-diethylphosphono-2,2-dimethylpropyl)-N-oxyl)-based alkoxyamines. <i>Journal of Organic Chemistry</i> , 2004 , 69, 4925-30	4.2	47
3	Design and use of phosphorus nitroxides and alkoxyamines in controlled/living/free radical polymerizations. <i>Macromolecular Symposia</i> , 2002 , 182, 225-247	0.8	61
2	Degradable Polystyrene via the Cleavable Comonomer Approach		2
1	Substituent effects on the photoinitiation ability of coumarin-based oxime-ester photoinitiators for free radical photopolymerization. <i>Materials Chemistry Frontiers</i> ,	7.8	9