Didier Gigmes

List of Publications by Citations

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	Nitroxide-mediated polymerization. *Progress in Polymer Science*, **2013**, 38, 63-235	29.6	1023
149	Visible light sensitive photoinitiating systems: Recent progress in cationic and radical photopolymerization reactions under soft conditions. *Progress in Polymer Science*, **2015**, 41, 32-66	29.6	364
148	Polymer-Grafted-Nanoparticles Nanocomposites: Dispersion, Grafted Chain Conformation, and Rheological Behavior. *Macromolecules*, **2011**, 44, 122-133	5.5	263
147	Efficient dual radical/cationic photoinitiator under visible light: a new concept. *Polymer Chemistry*, **2011**, 2, 1986	4.9	165
146	Toward Nitroxide-Mediated Photopolymerization. *Macromolecules*, **2010**, 43, 2204-2212	5.5	162
145	Radical Ring-Opening Polymerization: Scope, Limitations, and Application to (Bio)Degradable Materials. *Chemical Reviews*, **2017**, 117, 1319-1406	68.1	153
144	Nitroxide-Mediated Polymerization: The Pivotal Role of the kd Value of the Initiating Alkoxyamine and the Importance of the Experimental Conditions. *Macromolecules*, **2006**, 39, 5238-5250	5.5	149
143	Kinetic subtleties of nitroxide mediated polymerization. *Chemical Society Reviews*, **2011**, 40, 2189-98	58.5	145
142	Structure Design of Naphthalimide Derivatives: Toward Versatile Photoinitiators for Near-UV/Visible LEDs, 3D Printing, and Water-Soluble Photoinitiating Systems. *Macromolecules*, **2015**, 48, 2054-2063	5.5	139
141	Polar, Steric, and Stabilization Effects in Alkoxyamines C□ON Bond Homolysis: A Multiparameter Analysis. *Macromolecules*, **2005**, 38, 2638-2650	5.5	135
140	Copper Complexes in Radical Photoinitiating Systems: Applications to Free Radical and Cationic Polymerization upon Visible LEDs. *Macromolecules*, **2014**, 47, 3837-3844	5.5	127
139	Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. *Polymer Chemistry*, **2013**, 4, 5440	4.9	98
138	SG1-based alkoxyamine bearing a N-succinimidyl ester: A versatile tool for advanced polymer synthesis. *Polymer*, **2008**, 49, 3639-3647	3.9	94
137	Carbazole Scaffold Based Photoinitiator/Photoredox Catalysts: Toward New High Performance Photoinitiating Systems and Application in LED Projector 3D Printing Resins. *Macromolecules*, **2017**, 50, 2747-2758	5.5	92
136	New Push□Pull Dyes Derived from Michler□s Ketone For Polymerization Reactions Upon Visible Lights.. *Macromolecules*, **2013**, 46, 3761-3770	5.5	92
135	Blue Light Sensitive Dyes for Various Photopolymerization Reactions: Naphthalimide and Naphthalic Anhydride Derivatives.. *Macromolecules*, **2014**, 47, 601-608	5.5	86
134	Blue-to-Red Light Sensitive Push□Pull Structured Photoinitiators: Indanedione Derivatives for Radical and Cationic Photopolymerization Reactions. *Macromolecules*, **2013**, 46, 3332-3341	5.5	82

133	Degradable and comb-like PEG-based copolymers by nitroxide-mediated radical ring-opening polymerization. *Biomacromolecules*, **2013**, 14, 3769-79	6.9	78
132	Julolidine or Fluorenone Based Push–Pull Dyes for Polymerization upon Soft Polychromatic Visible Light or Green Light.. *Macromolecules*, **2014**, 47, 106-112	5.5	75
131	Chemoselective Synthesis of Uniform Sequence-Coded Polyurethanes and Their Use as Molecular Tags. *CheM*, **2016**, 1, 114-126	16.2	75
130	Photoredox catalysis using a new iridium complex as an efficient toolbox for radical, cationic and controlled polymerizations under soft blue to green lights. *Polymer Chemistry*, **2015**, 6, 613-624	4.9	74
129	Carbazole Derivatives with Thermally Activated Delayed Fluorescence Property as Photoinitiators/Photoredox Catalysts for LED 3D Printing Technology. *Macromolecules*, **2017**, 50, 4913-4926	5.5	74
128	A benzophenone-naphthalimide derivative as versatile photoinitiator of polymerization under near UV and visible lights. *Journal of Polymer Science Part A*, **2015**, 53, 445-451	2.5	74
127	Push–pull (thio)barbituric acid derivatives in dye photosensitized radical and cationic polymerization reactions under 457/473 nm laser beams or blue LEDs. *Polymer Chemistry*, **2013**, 4, 3866	4.9	72
126	Polystyrene grafting from silica nanoparticles via nitroxide-mediated polymerization (NMP): synthesis and SANS analysis with the contrast variation method. *Soft Matter*, **2009**, 5, 3741	3.6	70
125	Multicolor Photoinitiators for Radical and Cationic Polymerization: Monofunctional vs Polyfunctional Thiophene Derivatives. *Macromolecules*, **2013**, 46, 6786-6793	5.5	68
124	Facile Synthesis of Innocuous Comb-Shaped Polymethacrylates with PEG Side Chains by Nitroxide-Mediated Radical Polymerization in Hydroalcoholic Solutions. *Macromolecules*, **2010**, 43, 9291-9303	5.5	68
123	Structural Effects in the Indanedione Skeleton for the Design of Low Intensity 300–500 nm Light Sensitive Initiators.. *Macromolecules*, **2014**, 47, 26-34	5.5	67
122	Organic Electronics: An El Dorado in the Quest of New Photocatalysts for Polymerization Reactions. *Accounts of Chemical Research*, **2016**, 49, 1980-9	24.3	66
121	Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. *ACS Macro Letters*, **2013**, 2, 736-740	6.6	66
120	Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. *Polymer Chemistry*, **2014**, 5, 2293	4.9	65
119	Recent Advances and Challenges in the Design of Organic Photoacid and Photobase Generators for Polymerizations. *Angewandte Chemie - International Edition*, **2019**, 58, 10410-10422	16.4	65
118	Red-light-induced cationic photopolymerization: perylene derivatives as efficient photoinitiators. *Macromolecular Rapid Communications*, **2013**, 34, 1452-8	4.8	63
117	Design and use of phosphorus nitroxides and alkoxyamines in controlled/living free radical polymerizations. *Macromolecular Symposia*, **2002**, 182, 225-247	0.8	61
116	Specific cationic photoinitiators for near UV and visible LEDs: Iodonium versus ferrocenium structures. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	59

115	Iron complexes as potential photocatalysts for controlled radical photopolymerizations: A tool for modifications and patterning of surfaces. *Journal of Polymer Science Part A*, **2016**, 54, 702-713	2.5	58
114	Intermolecular radical addition of alkoxyamines onto olefins: An easy access to advanced macromolecular architectures precursors. *Polymer*, **2007**, 48, 5219-5225	3.9	54
113	Degradable and Injectable Hydrogel for Drug Delivery in Soft Tissues. *Biomacromolecules*, **2019**, 20, 149-163	6.9	53
112	Novel naphthalimide–amine based photoinitiators operating under violet and blue LEDs and usable for various polymerization reactions and synthesis of hydrogels. *Polymer Chemistry*, **2016**, 7, 418-429	4.9	52
111	Iridium (III) complexes as promising emitters for solid-state Light-Emitting Electrochemical Cells (LECs). *International Journal of Nanotechnology*, **2012**, 9, 377	1.5	49
110	N-[2-(Dimethylamino)ethyl]-1,8-naphthalimide derivatives as photoinitiators under LEDs. *Polymer Chemistry*, **2018**, 9, 994-1003	4.9	48
109	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. *Journal of Organic Chemistry*, **2004**, 69, 4925-30	4.2	47
108	Photoinitiators derived from natural product scaffolds: monochalcones in three-component photoinitiating systems and their applications in 3D printing. *Polymer Chemistry*, **2020**, 11, 4647-4659	4.9	43
107	Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. *Molecules*, **2017**, 22,	4.8	41
106	Naphthalimide-phthalimide derivative based photoinitiating systems for polymerization reactions under blue lights. *Journal of Polymer Science Part A*, **2015**, 53, 665-674	2.5	41
105	Ultra-Fast Synthesis of Multivalent Radical Nanoparticles by Ring-Opening Metathesis Polymerization-Induced Self-Assembly. *Angewandte Chemie - International Edition*, **2019**, 58, 4725-4731	16.4	41
104	Photoinitiating systems of polymerization and in situ incorporation of metal nanoparticles into polymer matrices upon exposure to visible light: push–pull malonate and malononitrile based dyes. *Polymer Chemistry*, **2013**, 4, 5679	4.9	39
103	A multicolor photoinitiator for cationic polymerization and interpenetrated polymer network synthesis: 2,7-di-tert-butyldimethyldihydropyrene. *Macromolecular Rapid Communications*, **2013**, 34, 1104-9	4.8	39
102	SG1-Functionalized Peptides as Precursors for Polymer–Peptide Conjugates: A Straightforward Approach. *Macromolecules*, **2010**, 43, 4864-4870	5.5	39
101	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). *Macromolecular Chemistry and Physics*, **2015**, 216, 1782-1790	2.6	38
100	Novel polymer synthesis methodologies using combinations of thermally- and photochemically-induced nitroxide mediated polymerization. *Polymer Chemistry*, **2015**, 6, 754-763	4.9	37
99	Convenient access to biocompatible block copolymers from SG1-based aliphatic polyester macro-alkoxyamines. *Biomacromolecules*, **2009**, 10, 1436-45	6.9	37
98	Redox two-component initiated free radical and cationic polymerizations: Concepts, reactions and applications. *Progress in Polymer Science*, **2019**, 94, 33-56	29.6	36

97	Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. *Angewandte Chemie - International Edition*, **2017**, 56, 16515-16520	16.4	34
96	Naphthalimide-Tertiary Amine Derivatives as Blue-Light-Sensitive Photoinitiators. *ChemPhotoChem*, **2018**, 2, 481-489	3.3	33
95	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. *Macromolecular Rapid Communications*, **2018**, 39, e1800193	4.8	33
94	Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. *Polymer Chemistry*, **2013**, 4, 4776	4.9	33
93	Effect of the Penultimate Unit on the C?ON Bond Homolysis in SG1-Based Alkoxyamines. *Macromolecular Chemistry and Physics*, **2008**, 209, 220-224	2.6	33
92	Ferrocene-based (photo)redox polymerization under long wavelengths. *Polymer Chemistry*, **2019**, 10, 1431-1441	4.9	31
91	Solution-processed blue phosphorescent OLEDs with carbazole-based polymeric host materials. *Organic Electronics*, **2015**, 25, 21-30	3.5	31
90	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. *Macromolecules*, **2012**, 45, 9220-9231	5.5	31
89	Intermolecular radical 1,2-addition of the BlocBuilder MA alkoxyamine onto activated olefins: a versatile tool for the synthesis of complex macromolecular architecture. *Polymer Chemistry*, **2011**, 2, 1624	4.9	31
88	Iodonium-polyoxometalate and thianthrenium-polyoxometalate as new one-component UV photoinitiators for radical and cationic polymerization. *Journal of Polymer Science Part A*, **2015**, 53, 981-989	2.5	29
87	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. *Catalysts*, **2020**, 10, 463	4	28
86	Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. *Macromolecules*, **2018**, 51, 5628-5637	5.5	28
85	Combined nitroxide mediated radical polymerization techniques for block copolymer synthesis. *Tetrahedron*, **2016**, 72, 7672-7685	2.4	28
84	Copper-Based (Photo)redox Initiating Systems as Highly Efficient Systems for Interpenetrating Polymer Network Preparation. *Macromolecules*, **2018**, 51, 679-688	5.5	27
83	Design of Iodonium Salts for UV or Near-UV LEDs for Photoacid Generator and Polymerization Purposes. *Molecules*, **2019**, 25,	4.8	27
82	UV-Induced Micropatterning of Complex Functional Surfaces by Photopolymerization Controlled by Alkoxyamines. *Langmuir*, **2015**, 31, 10026-36	4	26
81	Ketone derivatives as photoinitiators for both radical and cationic photopolymerizations under visible LED and application in 3D printing. *European Polymer Journal*, **2020**, 132, 109737	5.2	26
80	The use of poly(N-[2-hydroxypropyl]-methacrylamide) hydrogel to repair a T10 spinal cord hemisection in rat: a behavioural, electrophysiological and anatomical examination. *ASN Neuro*, **2013**, 5, 149-66	5.3	26

79	Preparation and in vitro evaluation of imiquimod loaded polylactide-based micelles as potential vaccine adjuvants. *Pharmaceutical Research*, **2015**, 32, 311-20	4.5	25
78	Monocomponent Photoinitiators based on Benzophenone-Carbazole Structure for LED Photoinitiating Systems and Application on 3D Printing. *Polymers*, **2020**, 12,	4.5	25
77	New 1,8-Naphthalimide Derivatives as Photoinitiators for Free-Radical Polymerization Upon Visible Light. *Catalysts*, **2019**, 9, 637	4	25
76	Repair of the injured spinal cord by implantation of a synthetic degradable block copolymer in rat. *Biomaterials*, **2014**, 35, 6248-58	15.6	25
75	Bis-chalcone derivatives derived from natural products as near-UV/visible light sensitive photoinitiators for 3D/4D printing. *Materials Chemistry Frontiers*, **2021**, 5, 901-916	7.8	24
74	High-Capacity Digital Polymers: Storing Images in Single Molecules. *Macromolecules*, **2020**, 53, 4022-4029	5.5	23
73	Novel ketone derivative-based photoinitiating systems for free radical polymerization under mild conditions and 3D printing. *Polymer Chemistry*, **2020**, 11, 5767-5777	4.9	23
72	New role of aminothiazonaphthalimide derivatives: outstanding photoinitiators for cationic and radical photopolymerizations under visible LEDs. *RSC Advances*, **2016**, 6, 48684-48693	3.7	23
71	End capped polyenic structures as visible light sensitive photoinitiators for polymerization of vinylethers. *Dyes and Pigments*, **2014**, 105, 121-129	4.6	22
70	Michler's Ketone as an Interesting Scaffold for the Design of High-Performance Dyes in Photoinitiating Systems Upon Visible Light. *Macromolecular Chemistry and Physics*, **2014**, 215, 783-790	2.6	22
69	Elaboration of glycopolymer-functionalized micelles from an N-vinylpyrrolidone/lactide-based reactive copolymer platform. *Macromolecular Bioscience*, **2013**, 13, 1213-20	5.5	22
68	Enantioselective Radical Reactions Using Chiral Catalysts.. *Chemical Reviews*, **2022**,	68.1	22
67	Nitroxide Mediated Photopolymerization: A Versatile Tool for the Fabrication of Complex Multilayer Polyfunctional Copolymer Nanostructures. *Advanced Materials Interfaces*, **2014**, 1, 1400067	4.6	21
66	Elaboration of densely functionalized polylactide nanoparticles from N-acryloxysuccinimide-based block copolymers. *Journal of Polymer Science Part A*, **2011**, 49, 1341-1350	2.5	21
65	Novel Push–Pull 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. *Catalysts*, **2020**, 10, 1196	4	21
64	New multifunctional benzophenone-based photoinitiators with high migration stability and their applications in 3D printing. *Materials Chemistry Frontiers*, **2021**, 5, 1982-1994	7.8	21
63	A comprehensive kinetic study of the conventional free-radical polymerization of seven-membered cyclic ketene acetals. *Polymer Chemistry*, **2017**, 8, 5139-5147	4.9	20
62	Push-Pull Chromophores Based on the Naphthalene Scaffold: Potential Candidates for Optoelectronic Applications. *Materials*, **2019**, 12,	3.5	20

61	Light-Sensitive Alkoxyamines as Versatile Spatially- and Temporally- Controlled Precursors of Alkyl Radicals and Nitroxides. *Journal of the American Chemical Society*, **2018**, 140, 3339-3344	16.4	20
60	Free-radical polymerization upon near-infrared light irradiation, merging photochemical and photothermal initiating methods. *Journal of Polymer Science*, **2020**, 58, 300-308	2.4	19
59	Polymerization Initiated by Organic Electron Donors. *Angewandte Chemie - International Edition*, **2016**, 55, 5994-9	16.4	19
58	Metal Actuated Ring Translocation Switches in Water. *Organic Letters*, **2018**, 20, 3187-3191	6.2	18
57	Unprecedented Nucleophilic Attack of Piperidine on the Electron Acceptor during the Synthesis of Push-Pull Dyes by a Knoevenagel Reaction. *Helvetica Chimica Acta*, **2019**, 102, e1900229	2	17
56	N-Acetoxy-phthalimide (NAPI) as a new H-abstracting agent at high temperature: application to the melt functionalization of polyethylene. *Polymer Chemistry*, **2013**, 4, 2676	4.9	17
55	Polylactide-Based Reactive Micelles as a Robust Platform for mRNA Delivery. *Pharmaceutical Research*, **2020**, 37, 30	4.5	17
54	A single-crystal-to-single-crystal transformation affording photochromic 3D MORF crystals. *Chemical Communications*, **2019**, 55, 13824-13827	5.8	15
53	Inputs of Macromolecular Engineering in the Design of Injectable Hydrogels Based on Synthetic Thermoresponsive Polymers. *Macromolecules*, **2020**, 53, 682-692	5.5	14
52	A pH-driven ring translocation switch against cancer cells. *Chemical Communications*, **2018**, 54, 13825-13828	5.8	14
51	Polymerization Initiated by Organic Electron Donors. *Angewandte Chemie*, **2016**, 128, 6098-6103	3.6	13
50	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. *Dyes and Pigments*, **2021**, 184, 108807	4.6	13
49	New Synthetic Route to an Highly Efficient Photoredox Catalyst by Mechanosynthesis. *ACS Omega*, **2018**, 3, 10938-10944	3.9	13
48	Effect of nitroxyl-based radicals on the melt radical grafting of maleic anhydride onto polyethylene in presence of a peroxide. *European Polymer Journal*, **2015**, 66, 342-351	5.2	12
47	Synthesis of polyisoprene, polybutadiene and Styrene Butadiene Rubber grafted silica nanoparticles by nitroxide-mediated polymerization. *Polymer*, **2020**, 190, 122190	3.9	12
46	Light-active azaphenalene alkoxyamines: fast and efficient mediators of a photo-induced persistent radical effect. *RSC Advances*, **2016**, 6, 80328-80333	3.7	12
45	Morphologies of Polyisoprene-Grafted Silica Nanoparticles in Model Elastomers. *Macromolecules*, **2019**, 52, 7638-7645	5.5	11
44	New Donor-Acceptor Stenhouse Adducts as Visible and Near Infrared Light Polymerization Photoinitiators. *Molecules*, **2020**, 25,	4.8	10

43	A Cucurbit[8]uril 2:2 Complex with a Negative pK Shift. *Chemistry - A European Journal*, **2019**, 25, 12552-12559	4.8	10
42	New push-pull dyes based on 2-(3-oxo-2,3-dihydro-1H-cyclopenta[b]naphthalen-1-ylidene)malononitrile: An amine-directed synthesis. *Dyes and Pigments*, **2020**, 175, 108182	4.6	10
41	Substituent effects on the photoinitiation ability of coumarin-based oxime-ester photoinitiators for free radical photopolymerization. *Materials Chemistry Frontiers*,	7.8	9
40	DFT-calculation-assisted prediction of the copolymerization between cyclic ketene acetals and traditional vinyl monomers. *Polymer Chemistry*, **2020**, 11, 7159-7169	4.9	9
39	Near-infrared light for polymer re-shaping and re-processing applications. *Journal of Polymer Science*, **2021**, 59, 2193-2200	2.4	9
38	Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. *Angewandte Chemie - International Edition*, **2020**, 59, 14517-14526	16.4	8
37	Laser Direct Writing of Arbitrary Complex Polymer Microstructures by Nitroxide-Mediated Photopolymerization. *ACS Applied Materials & Interfaces*, **2020**, 12, 30779-30786	9.5	8
36	Light-Induced Thermal Decomposition of Alkoxyamines upon Infrared CO Laser: Toward Spatially Controlled Polymerization of Methacrylates in Laser Write Experiments. *ACS Omega*, **2020**, 5, 3043-3046	3.9	8
35	Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. *Angewandte Chemie*, **2017**, 129, 16742-16747	3.6	8
34	Preparation of PVDF-grafted-PS involving nitroxides. *European Polymer Journal*, **2018**, 109, 55-63	5.2	8
33	Delayed Injection of a Physically Cross-Linked PNIPAAm--PEG Hydrogel in Rat Contused Spinal Cord Improves Functional Recovery. *ACS Omega*, **2020**, 5, 10247-10259	3.9	7
32	Mechanistic Investigation of Thiono-Caprolactone Radical Polymerization: An Interesting Tool to Insert Weak Bonds into Poly(vinyl esters). *ACS Applied Polymer Materials*, **2021**, 3, 3264-3271	4.3	6
31	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. *Angewandte Chemie - International Edition*, **2021**, 60, 917-926	16.4	6
30	Mesolytic Versus Homolytic Cleavage in Photochemical Nitroxide-Mediated Polymerization. *Macromolecules*, **2020**, 53, 1567-1572	5.5	5
29	A Sacrificial PLA Block Mediated Route to Injectable and Degradable PNIPAAm-Based Hydrogels. *Polymers*, **2020**, 12,	4.5	5
28	Acyloxyimide derivatives as efficient promoters of polyolefin CH functionalization: application in the melt grafting of maleic anhydride onto polyethylene. *Polymer Chemistry*, **2019**, 10, 4336-4345	4.9	5
27	One-Step Synthesis of Degradable Vinylic Polymer-Based Latexes via Aqueous Radical Emulsion Polymerization.. *Angewandte Chemie - International Edition*, **2022**,	16.4	5
26	Ultraschnelle Synthese multivalenter radikalischer Nanopartikel durch ringffnende Metathesepolymerisations-induzierte Selbstorganisation. *Angewandte Chemie*, **2019**, 131, 4775-4781	3.6	5

25	Advances in amphiphilic polylactide/vinyl polymer based nano-assemblies for drug delivery. *Advances in Colloid and Interface Science*, **2021**, 294, 102483	14.3	5
24	Improving bioassay sensitivity through immobilization of bio-probes onto reactive micelles. *Chemical Communications*, **2017**, 53, 8062-8065	5.8	4
23	Selective Bond Cleavage in Informational Poly(Alkoxyamine Phosphodiester)s. *Macromolecular Rapid Communications*, **2020**, 41, e2000215	4.8	4
22	Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. *Angewandte Chemie*, **2020**, 132, 14625-14634	3.6	3
21	Adduction of ammonium to polylactides to modify their dissociation behavior in collision-induced dissociation. *Rapid Communications in Mass Spectrometry*, **2018**, 32, 423-430	2.2	3
20	Storing the portrait of Antoine de Lavoisier in a single macromolecule. *Comptes Rendus Chimie*, **2021**, 24, 69-76	2.7	3
19	Triple Stack of a Viologen Derivative in a CB[10] Pair. *Organic Letters*, **2021**, 23, 5283-5287	6.2	3
18	Switching from Single to Simultaneous Free-Radical and Anionic Polymerization with Enamine-Based Organic Electron Donors. *Angewandte Chemie - International Edition*, **2021**, 60, 19389-19396	16.4	3
17	Chemical modification of poly(lactic acid) induced by thermal decomposition of N-acetoxy-phthalimide during extrusion. *Journal of Polymer Science Part A*, **2019**, 57, 120-129	2.5	3
16	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. *New Journal of Chemistry*, **2021**, 45, 5808-5821	3.6	3
15	Poly(ethylene oxide) grafted silica nanoparticles: efficient routes of synthesis with associated colloidal stability. *Soft Matter*, **2021**, 17, 6552-6565	3.6	3
14	Catalyst- and Initiator-Free Radical Addition under Mild Conditions: A Macromolecular Conjugation Tool. *Chemistry - A European Journal*, **2018**, 24, 3699-3702	4.8	2
13	In situ nitroxide-mediated polymerization of styrene promoted by the N-tert-butyl-□sopropylnitrone/bpo pair: ESR investigations. *Journal of Polymer Science Part A*, **2013**, 51, 1786-1795	2.5	2
12	Degradable Polystyrene via the Cleavable Comonomer Approach		2
11	Dyes with tunable absorption properties from the visible to the near infrared range: 2,4,5,7-Tetranitrofluorene (TNF) as a unique electron acceptor. *Dyes and Pigments*, **2021**, 189, 109250	4.6	2
10	Photolabile Well-Defined Polystyrene Grafted on Silica Nanoparticle via Nitroxide-Mediated Polymerization (NMP). *Macromolecular Rapid Communications*, **2021**, 42, e2100181	4.8	2
9	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. *Materials Today Communications*, **2019**, 19, 271-276	2.5	2
8	Synthesis, optical and electrochemical properties of a series of push-pull dyes based on the 4,4-bis(4-methoxy phenyl)butadienyl donor. *Dyes and Pigments*, **2021**, 194, 109552	4.6	2

7	Functionalization of poly(lactide) with N-phenyl maleimide using N-acetoxy-phthalimide during reactive extrusion. *Journal of Polymer Science Part A*, **2019**, 57, 917-928	2.5	1
6	Reactive nanoprecipitation: a one-step route to functionalized polylactide-based nanoparticles. *RSC Advances*, **2015**, 5, 103060-103063	3.7	1
5	Thionolactone as Resin Additive to Prepare (bio)degradable 3D Objects via VAT Photopolymerization.. *Angewandte Chemie - International Edition*, **2022**,	16.4	1
4	D-A dyads and A-D-A triads based on ferrocene: push-pull dyes with unusual behaviours in solution. *New Journal of Chemistry*, **2021**, 45, 13475-13498	3.6	1
3	Reactive Desorption Electrospray Ionization Mass Spectrometry To Determine Intrinsic Degradability of Poly(lactic--glycolic acid) Chains. *Analytical Chemistry*, **2021**, 93, 12041-12048	7.8	1
2	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. *Angewandte Chemie*, **2021**, 133, 930-939	3.6	0
1	Switching from Single to Simultaneous Free-Radical and Anionic Polymerization with Enamine-Based Organic Electron Donors. *Angewandte Chemie*, **2021**, 133, 19538-19545	3.6	