# Didier Gigmes

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6622672/publications.pdf

Version: 2024-02-01

| 152 | 8,914 | 36303 | 46799 |
|---|---|---|---|
| papers | citations | 51 h-index | 89 g-index |

| 155 | 155 | 155 | 5195 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enantioselective Radical Reactions Using Chiral Catalysts. Chemical Reviews, 2022, 122, 5842-5976. | 47.7 | 136 |
| 2 | Oneâ€Step Synthesis of Degradable Vinylic Polymerâ€Based Latexes via Aqueous Radical Emulsion Polymerization. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 42 |
| 3 | Oneâ€Step Synthesis of Degradable Vinylic Polymerâ€Based Latexes via Aqueous Radical Emulsion Polymerization. Angewandte Chemie, 2022, 134, . | 2.0 | 4 |
| 4 | Thionolactone as a Resin Additive to Prepare (Bio)degradable 3D Objects via VAT Photopolymerization**. Angewandte Chemie, 2022, 134, . | 2.0 | 2 |
| 5 | Thionolactone as a Resin Additive to Prepare (Bio)degradable 3D Objects via VAT Photopolymerization**. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 22 |
| 6 | 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. | 3.7 | 23 |
| 7 | 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. | 5.9 | 59 |
| 8 | Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. Angewandte Chemie, 2021, 133, 930-939. | 2.0 | 2 |
| 9 | Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. Angewandte Chemie - International Edition, 2021, 60, 917-926. | 13.8 | 14 |
| 10 | Synthesis, and the optical and electrochemical properties of a series of pushâ€“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. | 2.8 | 6 |
| 11 | Dâ€“A dyads and Aâ€“Dâ€“A triads based on ferrocene: pushâ€“pull dyes with unusual behaviours in solution. New Journal of Chemistry, 2021, 45, 13475-13498. | 2.8 | 6 |
| 12 | Storing the portrait of Antoine de Lavoisier in a single macromolecule. Comptes Rendus Chimie, 2021, 24, 69-76. | 0.5 | 10 |
| 13 | Triple Stack of a Viologen Derivative in a CB[10] Pair. Organic Letters, 2021, 23, 5283-5287. | 4.6 | 15 |
| 14 | 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. | 3.7 | 2 |
| 15 | Photolabile Wellâ€Defined Polystyrene Grafted on Silica Nanoparticle via Nitroxideâ€Mediated Polymerization (NMP). Macromolecular Rapid Communications, 2021, 42, e2100181. | 3.9 | 4 |
| 16 | Mechanistic Investigation of Îµ-Thiono-Caprolactone Radical Polymerization: An Interesting Tool to Insert Weak Bonds into Poly(vinyl esters). ACS Applied Polymer Materials, 2021, 3, 3264-3271. | 4.4 | 23 |
| 17 | Switching from Single to Simultaneous Freeâ€Radical and Anionic Polymerization with Enamineâ€Based Organic Electron Donors. Angewandte Chemie - International Edition, 2021, 60, 19389-19396. | 13.8 | 3 |
| 18 | Nearâ€infrared light for polymer reâ€shaping and reâ€processing applications. Journal of Polymer Science, 2021, 59, 2193-2200. | 3.8 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Switching from Single to Simultaneous Freeâ€Radical and Anionic Polymerization with Enamineâ€Based Organic Electron Donors. Angewandte Chemie, 2021, 133, 19538-19545. | 2.0 | 0 |
| 20 | Advances in amphiphilic polylactide/vinyl polymer based nano-assemblies for drug delivery. Advances in Colloid and Interface Science, 2021, 294, 102483. | 14.7 | 24 |
| 21 | Reactive Desorption Electrospray Ionization Mass Spectrometry To Determine Intrinsic Degradability of Poly(lactic-co-glycolic acid) Chains. Analytical Chemistry, 2021, 93, 12041-12048. | 6.5 | 4 |
| 22 | 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. | 3.7 | 4 |
| 23 | Poly(ethylene oxide) grafted silica nanoparticles: efficient routes of synthesis with associated colloidal stability. Soft Matter, 2021, 17, 6552-6565. | 2.7 | 6 |
| 24 | New multifunctional benzophenone-based photoinitiators with high migration stability and their applications in 3D printing. Materials Chemistry Frontiers, 2021, 5, 1982-1994. | 5.9 | 43 |
| 25 | Substituent effects on the photoinitiation ability of coumarin-based oxime-ester photoinitiators for free radical photopolymerization. Materials Chemistry Frontiers, 2021, 5, 8361-8370. | 5.9 | 42 |
| 26 | Polylactide-Based Reactive Micelles as a Robust Platform for mRNA Delivery. Pharmaceutical Research, 2020, 37, 30. | 3.5 | 31 |
| 27 | Freeâ€radical polymerization upon nearâ€infrared light irradiation, merging photochemical and photothermal initiating methods. Journal of Polymer Science, 2020, 58, 300-308. | 3.8 | 30 |
| 28 | Design of Iodonium Salts for UV or Near-UV LEDs for Photoacid Generator and Polymerization Purposes. Molecules, 2020, 25, 149. | 3.8 | 50 |
| 29 | 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. | 3.7 | 16 |
| 30 | Novel Pushâ€“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. | 3.5 | 38 |
| 31 | Novel ketone derivative-based photoinitiating systems for free radical polymerization under mild conditions and 3D printing. Polymer Chemistry, 2020, 11, 5767-5777. | 3.9 | 38 |
| 32 | DFT-calculation-assisted prediction of the copolymerization between cyclic ketene acetals and traditional vinyl monomers. Polymer Chemistry, 2020, 11, 7159-7169. | 3.9 | 22 |
| 33 | Ketone derivatives as photoinitiators for both radical and cationic photopolymerizations under visible LED and application in 3D printing. European Polymer Journal, 2020, 132, 109737. | 5.4 | 33 |
| 34 | Delayed Injection of a Physically Cross-Linked PNIPAAm-g-PEG Hydrogel in Rat Contused Spinal Cord Improves Functional Recovery. ACS Omega, 2020, 5, 10247-10259. | 3.5 | 13 |
| 35 | New Donor-Acceptor Stenhouse Adducts as Visible and Near Infrared Light Polymerization Photoinitiators. Molecules, 2020, 25, 2317. | 3.8 | 20 |
| 36 | High-Capacity Digital Polymers: Storing Images in Single Molecules. Macromolecules, 2020, 53, 4022-4029. | 4.8 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. Angewandte Chemie - International Edition, 2020, 59, 14517-14526. | 13.8 | 28 |
| 38 | Laser Direct Writing of Arbitrary Complex Polymer Microstructures by Nitroxide-Mediated Photopolymerization. ACS Applied Materials & Interfaces, 2020, 12, 30779-30786. | 8.0 | 13 |
| 39 | Photoinitiators derived from natural product scaffolds: monochalcones in three-component photoinitiating systems and their applications in 3D printing. Polymer Chemistry, 2020, 11, 4647-4659. | 3.9 | 72 |
| 40 | Polyesters by a Radical Pathway: Rationalization of the Cyclic Ketene Acetal Efficiency. Angewandte Chemie, 2020, 132, 14625-14634. | 2.0 | 6 |
| 41 | Monocomponent Photoinitiators based on Benzophenone-Carbazole Structure for LED Photoinitiating Systems and Application on 3D Printing. Polymers, 2020, 12, 1394. | 4.5 | 50 |
| 42 | Light-Induced Thermal Decomposition of Alkoxyamines upon Infrared CO<sub>2</sub> Laser: Toward Spatially Controlled Polymerization of Methacrylates in Laser Write Experiments. ACS Omega, 2020, 5, 3043-3046. | 3.5 | 11 |
| 43 | Mesolytic Versus Homolytic Cleavage in Photochemical Nitroxide-Mediated Polymerization. Macromolecules, 2020, 53, 1567-1572. | 4.8 | 8 |
| 44 | Inputs of Macromolecular Engineering in the Design of Injectable Hydrogels Based on Synthetic Thermoresponsive Polymers. Macromolecules, 2020, 53, 682-692. | 4.8 | 20 |
| 45 | Synthesis of polyisoprene, polybutadiene and Styrene Butadiene Rubber grafted silica nanoparticles by nitroxide-mediated polymerization. Polymer, 2020, 190, 122190. | 3.8 | 20 |
| 46 | 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. | 3.5 | 38 |
| 47 | A Sacrificial PLA Block Mediated Route to Injectable and Degradable PNIPAAm-Based Hydrogels. Polymers, 2020, 12, 925. | 4.5 | 9 |
| 48 | Selective Bond Cleavage in Informational Poly(Alkoxyamine Phosphodiester)s. Macromolecular Rapid Communications, 2020, 41, e2000215. | 3.9 | 5 |
| 49 | A Cucurbit[8]uril 2:2 Complex with a Negative pK<sub>a</sub> Shift. Chemistry - A European Journal, 2019, 25, 12552-12559. | 3.3 | 22 |
| 50 | New 1,8-Naphthalimide Derivatives as Photoinitiators for Free-Radical Polymerization Upon Visible Light. Catalysts, 2019, 9, 637. | 3.5 | 41 |
| 51 | Acyloxyimide derivatives as efficient promoters of polyolefin Câ€“H functionalization: application in the melt grafting of maleic anhydride onto polyethylene. Polymer Chemistry, 2019, 10, 4336-4345. | 3.9 | 8 |
| 52 | Unprecedented Nucleophilic Attack of Piperidine on the Electron Acceptor during the Synthesis of Pushâ€Pull Dyes by a Knoevenagel Reaction. Helvetica Chimica Acta, 2019, 102, e1900229. | 1.6 | 21 |
| 53 | Morphologies of Polyisoprene-Grafted Silica Nanoparticles in Model Elastomers. Macromolecules, 2019, 52, 7638-7645. | 4.8 | 19 |
| 54 | Push-Pull Chromophores Based on the Naphthalene Scaffold: Potential Candidates for Optoelectronic Applications. Materials, 2019, 12, 1342. | 2.9 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Redox two-component initiated free radical and cationic polymerizations: Concepts, reactions and applications. Progress in Polymer Science, 2019, 94, 33-56. | 24.7 | 56 |
| 56 | Functionalization of poly(lactide) with Nâ€phenyl maleimide using Nâ€acetoxyâ€phthalimide during reactive extrusion. Journal of Polymer Science Part A, 2019, 57, 917-928. | 2.3 | 3 |
| 57 | Ferrocene-based (photo)redox polymerization under long wavelengths. Polymer Chemistry, 2019, 10, 1431-1441. | 3.9 | 53 |
| 58 | 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. | 1.9 | 2 |
| 59 | Recent Advances and Challenges in the Design of Organic Photoacid and Photobase Generators for Polymerizations. Angewandte Chemie - International Edition, 2019, 58, 10410-10422. | 13.8 | 132 |
| 60 | Chemical modification of poly(lactic acid) induced by thermal decomposition of N â€acetoxyâ€phthalimide during extrusion. Journal of Polymer Science Part A, 2019, 57, 120-129. | 2.3 | 6 |
| 61 | Ultraâ€Fast Synthesis of Multivalent Radical Nanoparticles by Ringâ€Opening Metathesis Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2019, 58, 4725-4731. | 13.8 | 57 |
| 62 | Ultraschnelle Synthese multivalenter radikalischer Nanopartikel durch ringÃ¶ffnende Metathesepolymerisationsâ€induzierte Selbstorganisation. Angewandte Chemie, 2019, 131, 4775-4781. | 2.0 | 7 |
| 63 | Degradable and Injectable Hydrogel for Drug Delivery in Soft Tissues. Biomacromolecules, 2019, 20, 149-163. | 5.4 | 85 |
| 64 | A single-crystal-to-single-crystal transformation affording photochromic 3D MORF crystals. Chemical Communications, 2019, 55, 13824-13827. | 4.1 | 23 |
| 65 | Copper-Based (Photo)redox Initiating Systems as Highly Efficient Systems for Interpenetrating Polymer Network Preparation. Macromolecules, 2018, 51, 679-688. | 4.8 | 39 |
| 66 | 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. | 13.7 | 22 |
| 67 | N-[2-(Dimethylamino)ethyl]-1,8-naphthalimide derivatives as photoinitiators under LEDs. Polymer Chemistry, 2018, 9, 994-1003. | 3.9 | 69 |
| 68 | Adduction of ammonium to polylactides to modify their dissociation behavior in collisionâ€induced dissociation. Rapid Communications in Mass Spectrometry, 2018, 32, 423-430. | 1.5 | 4 |
| 69 | Catalystâ€and Initiatorâ€Free Radical Addition under Mild Conditions: A Macromolecular Conjugation Tool. Chemistry - A European Journal, 2018, 24, 3699-3702. | 3.3 | 2 |
| 70 | Naphthalimideâ€Tertiary Amine Derivatives as Blueâ€Lightâ€Sensitive Photoinitiators. ChemPhotoChem, 2018, 2, 481-489. | 3.0 | 47 |
| 71 | A pH-driven ring translocation switch against cancer cells. Chemical Communications, 2018, 54, 13825-13828. | 4.1 | 21 |
| 72 | Preparation of PVDF-grafted-PS involving nitroxides. European Polymer Journal, 2018, 109, 55-63. | 5.4 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | New Synthetic Route to an Highly Efficient Photoredox Catalyst by Mechanosynthesis. ACS Omega, 2018, 3, 10938-10944. | 3.5 | 17 |
| 74 | Visible Light Chiral Photoinitiator for Radical Polymerization and Synthesis of Polymeric Films with Strong Chiroptical Activity. Macromolecules, 2018, 51, 5628-5637. | 4.8 | 40 |
| 75 | Metal Actuated Ring Translocation Switches in Water. Organic Letters, 2018, 20, 3187-3191. | 4.6 | 31 |
| 76 | Simulation of the Degradation of Cyclic Ketene Acetal and Vinylâ€Based Copolymers Synthesized via a Radical Process: Influence of the Reactivity Ratios on the Degradability Properties. Macromolecular Rapid Communications, 2018, 39, e1800193. | 3.9 | 47 |
| 77 | Radical Ring-Opening Polymerization: Scope, Limitations, and Application to (Bio)Degradable Materials. Chemical Reviews, 2017, 117, 1319-1406. | 47.7 | 254 |
| 78 | Improving bioassay sensitivity through immobilization of bio-probes onto reactive micelles. Chemical Communications, 2017, 53, 8062-8065. | 4.1 | 5 |
| 79 | A comprehensive kinetic study of the conventional free-radical polymerization of seven-membered cyclic ketene acetals. Polymer Chemistry, 2017, 8, 5139-5147. | 3.9 | 30 |
| 80 | 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. | 4.8 | 121 |
| 81 | 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. | 13.8 | 65 |
| 82 | Radical Copolymerization of Vinyl Ethers and Cyclic Ketene Acetals as a Versatile Platform to Design Functional Polyesters. Angewandte Chemie, 2017, 129, 16742-16747. | 2.0 | 15 |
| 83 | Carbazole Derivatives with Thermally Activated Delayed Fluorescence Property as Photoinitiators/Photoredox Catalysts for LED 3D Printing Technology. Macromolecules, 2017, 50, 4913-4926. | 4.8 | 100 |
| 84 | Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. Molecules, 2017, 22, 2143. | 3.8 | 60 |
| 85 | Polymerization Initiated by Organic Electron Donors. Angewandte Chemie - International Edition, 2016, 55, 5994-5999. | 13.8 | 25 |
| 86 | Polymerization Initiated by Organic Electron Donors. Angewandte Chemie, 2016, 128, 6098-6103. | 2.0 | 13 |
| 87 | Chemoselective Synthesis of Uniform Sequence-Coded Polyurethanes and Their Use as Molecular Tags. CheM, 2016, 1, 114-126. | 11.7 | 108 |
| 88 | Combined nitroxide mediated radical polymerization techniques for block copolymer synthesis. Tetrahedron, 2016, 72, 7672-7685. | 1.9 | 32 |
| 89 | New role of aminothiazonaphthalimide derivatives: outstanding photoinitiators for cationic and radical photopolymerizations under visible LEDs. RSC Advances, 2016, 6, 48684-48693. | 3.6 | 25 |
| 90 | Organic Electronics: An El Dorado in the Quest of New Photocatalysts for Polymerization Reactions. Accounts of Chemical Research, 2016, 49, 1980-1989. | 15.6 | 81 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Light-active azaphenalene alkoxyamines: fast and efficient mediators of a photo-induced persistent radical effect. RSC Advances, 2016, 6, 80328-80333. | 3.6 | 16 |
| 92 | 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. | 2.3 | 71 |
| 93 | Novel naphthalimideâ€“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. | 3.9 | 76 |
| 94 | Specific cationic photoinitiators for near UV and visible LEDs: Iodonium versus ferrocenium structures. Journal of Applied Polymer Science, 2015, 132, . | 2.6 | 81 |
| 95 | 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. | 2.2 | 52 |
| 96 | Naphthalimideâ€phthalimide derivative based photoinitiating systems for polymerization reactions under blue lights. Journal of Polymer Science Part A, 2015, 53, 665-674. | 2.3 | 55 |
| 97 | â€œReactive nanoprecipitationâ€: a one-step route to functionalized polylactide-based nanoparticles. RSC Advances, 2015, 5, 103060-103063. | 3.6 | 1 |
| 98 | A benzophenoneâ€naphthalimide derivative as versatile photoinitiator of polymerization under near <scp>UV</scp> and visible lights. Journal of Polymer Science Part A, 2015, 53, 445-451. | 2.3 | 95 |
| 99 | Solution-processed blue phosphorescent OLEDs with carbazole-based polymeric host materials. Organic Electronics, 2015, 25, 21-30. | 2.6 | 32 |
| 100 | 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. | 5.4 | 13 |
| 101 | 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. | 4.8 | 172 |
| 102 | Iodoniumâ€polyoxometalate and thianthreniumâ€polyoxometalate as new oneâ€component <scp>UV</scp> photoinitiators for radical and cationic polymerization. Journal of Polymer Science Part A, 2015, 53, 981-989. | 2.3 | 32 |
| 103 | UV-Induced Micropatterning of Complex Functional Surfaces by Photopolymerization Controlled by Alkoxyamines. Langmuir, 2015, 31, 10026-10036. | 3.5 | 27 |
| 104 | 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. | 3.9 | 87 |
| 105 | Visible light sensitive photoinitiating systems: Recent progress in cationic and radical photopolymerization reactions under soft conditions. Progress in Polymer Science, 2015, 41, 32-66. | 24.7 | 463 |
| 106 | Novel polymer synthesis methodologies using combinations of thermally- and photochemically-induced nitroxide mediated polymerization. Polymer Chemistry, 2015, 6, 754-763. | 3.9 | 44 |
| 107 | Preparation and In Vitro Evaluation of Imiquimod Loaded Polylactide-based Micelles as Potential Vaccine Adjuvants. Pharmaceutical Research, 2015, 32, 311-320. | 3.5 | 31 |
| 108 | Michler's Ketone as an Interesting Scaffold for the Design of Highâ€Performance Dyes in Photoinitiating Systems Upon Visible Light. Macromolecular Chemistry and Physics, 2014, 215, 783-790. | 2.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Nitroxide Mediated Photopolymerization: A Versatile Tool for the Fabrication of Complex Multilayer Polyfunctional Copolymer Nanostructures. Advanced Materials Interfaces, 2014, 1, 1400067. | 3.7 | 25 |
| 110 | Structural Effects in the Indanedione Skeleton for the Design of Low Intensity 300â€“500 nm Light Sensitive Initiators.. Macromolecules, 2014, 47, 26-34. | 4.8 | 83 |
| 111 | Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. Polymer Chemistry, 2014, 5, 2293. | 3.9 | 80 |
| 112 | Julolidine or Fluorenone Based Pushâ€“Pull Dyes for Polymerization upon Soft Polychromatic Visible Light or Green Light.. Macromolecules, 2014, 47, 106-112. | 4.8 | 91 |
| 113 | Blue Light Sensitive Dyes for Various Photopolymerization Reactions: Naphthalimide and Naphthalic Anhydride Derivatives.. Macromolecules, 2014, 47, 601-608. | 4.8 | 106 |
| 114 | End capped polyenic structures as visible light sensitive photoinitiators for polymerization of vinylethers. Dyes and Pigments, 2014, 105, 121-129. | 3.7 | 36 |
| 115 | Repair of the injured spinal cord by implantation of a synthetic degradable block copolymer in rat. Biomaterials, 2014, 35, 6248-6258. | 11.4 | 34 |
| 116 | Copper Complexes in Radical Photoinitiating Systems: Applications to Free Radical and Cationic Polymerization upon Visible LEDs. Macromolecules, 2014, 47, 3837-3844. | 4.8 | 150 |
| 117 | Photoinitiating systems of polymerization and in situ incorporation of metal nanoparticles into polymer matrices upon exposure to visible light: pushâ€“pull malonate and malononitrile based dyes. Polymer Chemistry, 2013, 4, 5679. | 3.9 | 55 |
| 118 | In situ nitroxideâ€mediated polymerization of styrene promoted by the Nâ€tertâ€butylâ€Îąâ€isopropylnitrone/bpo pair: ESR investigations. Journal of Polymer Science Part A, 2013, 51, 1786-1795. | 2.3 | 2 |
| 119 | Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. Polymer Chemistry, 2013, 4, 4776. | 3.9 | 38 |
| 120 | Nitroxide-mediated polymerization. Progress in Polymer Science, 2013, 38, 63-235. | 24.7 | 1,167 |
| 121 | Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. Polymer Chemistry, 2013, 4, 5440. | 3.9 | 120 |
| 122 | Degradable and Comb-Like PEG-Based Copolymers by Nitroxide-Mediated Radical Ring-Opening Polymerization. Biomacromolecules, 2013, 14, 3769-3779. | 5.4 | 87 |
| 123 | Multicolor Photoinitiators for Radical and Cationic Polymerization: Monofunctional vs Polyfunctional Thiophene Derivatives. Macromolecules, 2013, 46, 6786-6793. | 4.8 | 80 |
| 124 | Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. ACS Macro Letters, 2013, 2, 736-740. | 4.8 | 81 |
| 125 | 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. | 3.9 | 20 |
| 126 | A Multicolor Photoinitiator for Cationic Polymerization and Interpenetrated Polymer Network Synthesis: 2,7â€Diâ€tertâ€butyldimethyldihydropyrene. Macromolecular Rapid Communications, 2013, 34, 1104-1109. | 3.9 | 52 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Pushâ€“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. | 3.9 | 92 |
| 128 | New Pushâ€“Pull Dyes Derived from Michlerâ€™s Ketone For Polymerization Reactions Upon Visible Lights.. Macromolecules, 2013, 46, 3761-3770. | 4.8 | 112 |
| 129 | Blue-to-Red Light Sensitive Pushâ€“Pull Structured Photoinitiators: Indanedione Derivatives for Radical and Cationic Photopolymerization Reactions. Macromolecules, 2013, 46, 3332-3341. | 4.8 | 95 |
| 130 | Redâ€Lightâ€Induced Cationic Photopolymerization: Perylene Derivatives as Efficient Photoinitiators. Macromolecular Rapid Communications, 2013, 34, 1452-1458. | 3.9 | 77 |
| 131 | Elaboration of Glycopolymer-Functionalized Micelles from anN-Vinylpyrrolidone/Lactide-Based Reactive Copolymer Platform. Macromolecular Bioscience, 2013, 13, 1213-1220. | 4.1 | 24 |
| 132 | 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, AN20120082. | 2.7 | 37 |
| 133 | Iridium (III) complexes as promising emitters for solid-state Light-Emitting Electrochemical Cells (LECs). International Journal of Nanotechnology, 2012, 9, 377. | 0.2 | 68 |
| 134 | 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. | 4.8 | 32 |
| 135 | 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. | 3.9 | 32 |
| 136 | Polymer-Grafted-Nanoparticles Nanocomposites: Dispersion, Grafted Chain Conformation, and Rheological Behavior. Macromolecules, 2011, 44, 122-133. | 4.8 | 292 |
| 137 | Kinetic subtleties of nitroxide mediated polymerization. Chemical Society Reviews, 2011, 40, 2189. | 38.1 | 161 |
| 138 | Efficient dual radical/cationic photoinitiator under visible light: a new concept. Polymer Chemistry, 2011, 2, 1986. | 3.9 | 174 |
| 139 | Elaboration of densely functionalized polylactide nanoparticles from Nâ€acryloxysuccinimideâ€based block copolymers. Journal of Polymer Science Part A, 2011, 49, 1341-1350. | 2.3 | 22 |
| 140 | Toward Nitroxide-Mediated Photopolymerization. Macromolecules, 2010, 43, 2204-2212. | 4.8 | 180 |
| 141 | SG1-Functionalized Peptides as Precursors for Polymerâ^'Peptide Conjugates: A Straightforward Approach. Macromolecules, 2010, 43, 4864-4870. | 4.8 | 40 |
| 142 | Facile Synthesis of Innocuous Comb-Shaped Polymethacrylates with PEG Side Chains by Nitroxide-Mediated Radical Polymerization in Hydroalcoholic Solutions. Macromolecules, 2010, 43, 9291-9303. | 4.8 | 70 |
| 143 | Convenient Access to Biocompatible Block Copolymers from SG1-Based Aliphatic Polyester Macro-Alkoxyamines. Biomacromolecules, 2009, 10, 1436-1445. | 5.4 | 39 |
| 144 | Polystyrene grafting from silica nanoparticles via nitroxide-mediated polymerization (NMP): synthesis and SANS analysis with the contrast variation method. Soft Matter, 2009, 5, 3741. | 2.7 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Effect of the Penultimate Unit on the Cï£¿ON Bond Homolysis in SG1â€Based Alkoxyamines. Macromolecular Chemistry and Physics, 2008, 209, 220-224. | 2.2 | 35 |
| 146 | SG1-based alkoxyamine bearing a N-succinimidyl ester: A versatile tool for advanced polymer synthesis. Polymer, 2008, 49, 3639-3647. | 3.8 | 101 |
| 147 | Intermolecular radical addition of alkoxyamines onto olefins: An easy access to advanced macromolecular architectures precursors. Polymer, 2007, 48, 5219-5225. | 3.8 | 59 |
| 148 | Nitroxide-Mediated Polymerization:Â The Pivotal Role of thekdValue of the Initiating Alkoxyamine and the Importance of the Experimental Conditions. Macromolecules, 2006, 39, 5238-5250. | 4.8 | 159 |
| 149 | Polar, Steric, and Stabilization Effects in Alkoxyamines Câ^'ON Bond Homolysis:Â A Multiparameter Analysis. Macromolecules, 2005, 38, 2638-2650. | 4.8 | 148 |
| 150 | Factors Influencing Câ^'ON Bond Homolysis in Alkoxyamines:Â 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, 4925-4930. | 3.2 | 51 |
| 151 | Design and use ofÎ²-phosphorus nitroxides and alkoxyamines in controlled/â€œlivingâ€•free radical polymerizations. Macromolecular Symposia, 2002, 182, 225-247. | 0.7 | 65 |
| 152 | Nitroxide mediated radical polymerization for the preparation of poly(vinyl chloride) grafted poly(acrylate) copolymers. Polymer Chemistry, 0, , . | 3.9 | 0 |