Jacques LalevÃ©e

List of Publications by Year
in descending order

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400	19,657	76	104
papers	citations	h-index	g-index

8181 29157

426	426	426	5701
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Photopolymerization upon LEDs: new photoinitiating systems and strategies. Polymer Chemistry, 2015, 6, 3895-3912.	3.9	346
3	Metal-Free, Visible Light-Photocatalyzed Synthesis of Benzo[<i>b</i>]phosphole Oxides: Synthetic and Mechanistic Investigations. Journal of the American Chemical Society, 2016, 138, 7436-7441.	13.7	273
4	Polarity Reversal Catalysis in Radical Reductions of Halides by N-Heterocyclic Carbene Boranes. Journal of the American Chemical Society, 2012, 134, 5669-5674.	13.7	200
5	Toward Nitroxide-Mediated Photopolymerization. Macromolecules, 2010, 43, 2204-2212.	4.8	180
6	Efficient dual radical/cationic photoinitiator under visible light: a new concept. Polymer Chemistry, 2011, 2, 1986.	3.9	174
7	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
8	Nâˆ’H and Î±(Câˆ’H) Bond Dissociation Enthalpies of Aliphatic Amines. Journal of the American Chemical Society, 2002, 124, 9613-9621.	13.7	168
9	Subtle Ligand Effects in Oxidative Photocatalysis with Iridium Complexes: Application to Photopolymerization. Chemistry - A European Journal, 2011, 17, 15027-15031.	3.3	162
10	Green Chemistry: Sunlight-Induced Cationic Polymerization of Renewable Epoxy Monomers Under Air. Macromolecules, 2010, 43, 1364-1370.	4.8	160
11	Photopolymerization Reactions: On the Way to a Green and Sustainable Chemistry. Applied Sciences (Switzerland), 2013, 3, 490-514.	2.5	158
12	High Performance Near-Infrared (NIR) Photoinitiating Systems Operating under Low Light Intensity and in the Presence of Oxygen. Macromolecules, 2018, 51, 1314-1324.	4.8	152
13	Copper Complexes in Radical Photoinitiating Systems: Applications to Free Radical and Cationic Polymerization upon Visible LEDs. Macromolecules, 2014, 47, 3837-3844.	4.8	150
14	Photopolymerization processes of thick films and in shadow areas: a review for the access to composites. Polymer Chemistry, 2017, 8, 7088-7101.	3.9	145
15	Polyaromatic Structures as Organo-Photoinitiator Catalysts for Efficient Visible Light Induced Dual Radical/Cationic Photopolymerization and Interpenetrated Polymer Networks Synthesis. Macromolecules, 2012, 45, 4454-4460.	4.8	144
16	Iridium Photocatalysts in Free Radical Photopolymerization under Visible Lights. ACS Macro Letters, 2012, 1, 286-290.	4.8	136
17	Photocatalysts in Polymerization Reactions. ChemCatChem, 2016, 8, 1617-1631.	3.7	136
18	Photopolymerization of <i>N</i>-Vinylcarbazole Using Visible-Light Harvesting Iridium Complexes as Photoinitiators. Macromolecules, 2012, 45, 4134-4141.	4.8	133

#	ARTICLE	IF	CITATIONS
19	<i>N</i>-Vinylcarbazole: An Additive for Free Radical Promoted Cationic Polymerization upon Visible Light. ACS Macro Letters, 2012, 1, 802-806.	4.8	129
20	Tunable Organophotocatalysts for Polymerization Reactions Under Visible Lights.. Macromolecules, 2012, 45, 1746-1752.	4.8	128
21	N-Heterocyclic Carbenesâˆ'Borane Complexes: A New Class of Initiators for Radical Photopolymerization. Macromolecules, 2010, 43, 2261-2267.	4.8	123
22	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
23	Dyes as Photoinitiators or Photosensitizers of Polymerization Reactions. Materials, 2010, 3, 5130-5142.	2.9	120
24	Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. Polymer Chemistry, 2013, 4, 5440.	3.9	120
25	Freeâ€radicalâ€promoted cationic photopolymerization under visible light in aerated media: New and highly efficient silaneâ€containing initiating systems. Journal of Polymer Science Part A, 2008, 46, 2008-2014.	2.3	117
26	Silanes as New Highly Efficient Co-initiators for Radical Polymerization in Aerated Media. Macromolecules, 2008, 41, 2003-2010.	4.8	116
27	New Pushâ€"Pull Dyes Derived from Michlerâ€™s Ketone For Polymerization Reactions Upon Visible Lights.. Macromolecules, 2013, 46, 3761-3770.	4.8	112
28	Radical photoinitiation with LEDs and applications in the 3D printing of composites. Chemical Society Reviews, 2021, 50, 3824-3841.	38.1	110
29	Blue Light Sensitive Dyes for Various Photopolymerization Reactions: Naphthalimide and Naphthalic Anhydride Derivatives.. Macromolecules, 2014, 47, 601-608.	4.8	106
30	New Photoinitiators Based on the Silyl Radical Chemistry: Polymerization Ability, ESR Spin Trapping, and Laser Flash Photolysis Investigation. Macromolecules, 2008, 41, 4180-4186.	4.8	103
31	A Novel Photopolymerization Initiating System Based on an Iridium Complex Photocatalyst. Macromolecular Rapid Communications, 2011, 32, 917-920.	3.9	103
32	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
33	Coumarin derivatives as versatile photoinitiators for 3D printing, polymerization in water and photocomposite synthesis. Polymer Chemistry, 2019, 10, 872-884.	3.9	100
34	Photocatalyzed Cu-Based ATRP Involving an Oxidative Quenching Mechanism under Visible Light. Macromolecules, 2015, 48, 1972-1980.	4.8	99
35	Zinc Tetraphenylporphyrin as High Performance Visible Light Photoinitiator of Cationic Photosensitive Resins for LED Projector 3D Printing Applications. Macromolecules, 2017, 50, 746-753.	4.8	99
36	Aminoalkyl Radicals:â€‰ Direct Observation and Reactivity toward Oxygen, 2,2,6,6-Tetramethylpiperidine-<i>N</i>-oxyl, and Methyl Acrylate. Journal of Physical Chemistry A, 2007, 111, 6991-6998.	2.5	98

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37	Design of Novel Photoinitiators for Radical and Cationic Photopolymerizations under Near UV and Visible LEDs (385, 395, and 405 nm).. Macromolecules, 2014, 47, 2811-2819.	4.8	98
38	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
39	A new role of curcumin: as a multicolor photoinitiator for polymer fabrication under household UV to red LED bulbs. Polymer Chemistry, 2015, 6, 5053-5061.	3.9	95
40	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
41	Iridium complexes incorporating coumarin moiety as catalyst photoinitiators: Towards household green LED bulb and halogen lamp irradiation. Polymer, 2012, 53, 2803-2808.	3.8	94
42	Organic Photocatalyst for Polymerization Reactions: 9,10-Bis[(triisopropylsilyl)ethynyl]anthracene. ACS Macro Letters, 2012, 1, 198-203.	4.8	93
43	Copper photoredox catalysts for polymerization upon near UV or visible light: structure/reactivity/efficiency relationships and use in LED projector 3D printing resins. Polymer Chemistry, 2017, 8, 568-580.	3.9	93
44	Charge Transfer Complexes as Pan-Scaled Photoinitiating Systems: From 50 Î¼m 3D Printed Polymers at 405 nm to Extremely Deep Photopolymerization (31 cm). Macromolecules, 2018, 51, 57-70.	4.8	93
45	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
46	Cationic and Thiolâ€“Ene Photopolymerization upon Red Lights Using Anthraquinone Derivatives as Photoinitiators. Macromolecules, 2013, 46, 6744-6750.	4.8	91
47	Design of new Type I and Type II photoinitiators possessing highly coupled pyreneâ€“ketone moieties. Polymer Chemistry, 2013, 4, 2313.	3.9	91
48	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
49	Variations on the Benzophenone Skeleton: Novel High Performance Blue Light Sensitive Photoinitiating Systems. Macromolecules, 2013, 46, 7661-7667.	4.8	89
50	Metal and metal-free photocatalysts: mechanistic approach and application as photoinitiators of photopolymerization. Beilstein Journal of Organic Chemistry, 2014, 10, 863-876.	2.2	87
51	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
52	Mechanistic Investigation of the Silane, Germane, and Stannane Behavior When Incorporated in Type I and Type II Photoinitiators of Polymerization in Aerated Media. Macromolecules, 2009, 42, 8725-8732.	4.8	86
53	Recent Developments of Versatile Photoinitiating Systems for Cationic Ring Opening Polymerization Operating at Any Wavelengths and under Low Light Intensity Sources. Molecules, 2015, 20, 7201-7221.	3.8	86
54	Nâ€Heterocyclic Carbene Boranes Accelerate Typeâ€…I Radical Photopolymerizations and Overcome Oxygen Inhibition. Angewandte Chemie - International Edition, 2012, 51, 5958-5961.	13.8	85

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55	Lightâ€Harvesting Organic Photoinitiators of Polymerization. Macromolecular Rapid Communications, 2013, 34, 239-245.	3.9	85
56	A dinuclear gold(<scp>i</scp>) complex as a novel photoredox catalyst for light-induced atom transfer radical polymerization. Polymer Chemistry, 2015, 6, 4605-4611.	3.9	85
57	3-Hydroxyflavone and <i>N</i>-Phenylglycine in High Performance Photoinitiating Systems for 3D Printing and Photocomposites Synthesis. Macromolecules, 2018, 51, 4633-4641.	4.8	85
58	Germanes as efficient coinitiators in radical and cationic photopolymerizations. Journal of Polymer Science Part A, 2008, 46, 3042-3047.	2.3	84
59	Electron Spin Resonance Spin Trapping Technique: Application to the Cleavage Process of Photoinitiators. Macromolecular Chemistry and Physics, 2008, 209, 2223-2231.	2.2	84
60	New thioxanthone and xanthone photoinitiators based on silyl radical chemistry. Polymer Chemistry, 2011, 2, 1077-1084.	3.9	83
61	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
62	Combination of transition metal carbonyls and silanes: New photoinitiating systems. Journal of Polymer Science Part A, 2010, 48, 1830-1837.	2.3	82
63	Azahelicenes as visible light photoinitiators for cationic and radical polymerization: Preparation of photoluminescent polymers and use in high performance LED projector 3D printing resins. Journal of Polymer Science Part A, 2017, 55, 1189-1199.	2.3	82
64	Overcoming the oxygen inhibition in the photopolymerization of acrylates: A study of the beneficial effect of triphenylphosphine. Journal of Polymer Science Part A, 2010, 48, 2462-2469.	2.3	81
65	Photoinitiation mechanism of free radical photopolymerization in the presence of cyclic acetals and related compounds. Journal of Polymer Science Part A, 2010, 48, 5758-5766.	2.3	81
66	Trifunctional Photoinitiators Based on a Triazine Skeleton for Visible Light Source and UV LED Induced Polymerizations. Macromolecules, 2012, 45, 8639-8647.	4.8	81
67	Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. ACS Macro Letters, 2013, 2, 736-740.	4.8	81
68	Chalcone derivatives as highly versatile photoinitiators for radical, cationic, thiolâ€“ene and IPN polymerization reactions upon exposure to visible light. Polymer Chemistry, 2014, 5, 382-390.	3.9	81
69	Specific cationic photoinitiators for near UV and visible LEDs: Iodonium versus ferrocenium structures. Journal of Applied Polymer Science, 2015, 132, .	2.6	81
70	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
71	Three-component photoinitiating systems: towards innovative tailor made high performance combinations. RSC Advances, 2012, 2, 2621.	3.6	80
72	Multicolor Photoinitiators for Radical and Cationic Polymerization: Monofunctional vs Polyfunctional Thiophene Derivatives. Macromolecules, 2013, 46, 6786-6793.	4.8	80

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73	Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. Polymer Chemistry, 2014, 5, 2293.	3.9	80
74	Photoinduced free radical promoted cationic polymerization 40 years after its discovery. Polymer Chemistry, 2020, 11, 1111-1121.	3.9	79
75	Zinc-based metal complexes as new photocatalysts in polymerization initiating systems. European Polymer Journal, 2013, 49, 1040-1049.	5.4	78
76	New Cleavable Photoinitiator Architecture with Huge Molar Extinction Coefficients for Polymerization in the 340â€“450 nm Range.. Macromolecules, 2013, 46, 736-746.	4.8	78
77	Reactivity of Carbon-Centered Radicals toward Acrylate Double Bonds:â€‰ Relative Contribution of Polar vs Enthalpy Effects. Journal of Physical Chemistry A, 2004, 108, 4326-4334.	2.5	77
78	New insights into radical and cationic polymerizations upon visible light exposure: role of novel photoinitiator systems based on the pyrene chromophore. Polymer Chemistry, 2013, 4, 1625-1634.	3.9	77
79	Redâ€Lightâ€Induced Cationic Photopolymerization: Perylene Derivatives as Efficient Photoinitiators. Macromolecular Rapid Communications, 2013, 34, 1452-1458.	3.9	77
80	Visible light photoinitiating systems by charge transfer complexes: Photochemistry without dyes. Progress in Polymer Science, 2020, 107, 101277.	24.7	77
81	Development of a Robust Photocatalyzed ATRP Mechanism Exhibiting Good Tolerance to Oxygen and Inhibitors. Macromolecules, 2016, 49, 7653-7666.	4.8	76
82	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
83	Photopolymerization of Cationic Monomers and Acrylate/Divinylether Blends under Visible Light Using Pyrromethene Dyes. Macromolecules, 2012, 45, 6864-6868.	4.8	75
84	A novel naphthalimide scaffold based iodonium salt as a one-component photoacid/photoinitiator for cationic and radical polymerization under LED exposure. Polymer Chemistry, 2016, 7, 5873-5879.	3.9	75
85	Recent advances in sunlight induced polymerization: role of new photoinitiating systems based on the silyl radical chemistry. Polymer Chemistry, 2011, 2, 1107-1113.	3.9	74
86	Dihydroxyanthraquinone derivatives: natural dyes as blue-light-sensitive versatile photoinitiators of photopolymerization. Polymer Chemistry, 2016, 7, 7316-7324.	3.9	74
87	Soft Photopolymerizations Initiated by Dye-Sensitized Formation of NHC-Boryl Radicals under Visible Light. Macromolecules, 2013, 46, 43-48.	4.8	72
88	A monocomponent bifunctional benzophenoneâ€“carbazole type II photoinitiator for LED photoinitiating systems. Polymer Chemistry, 2020, 11, 3551-3556.	3.9	72
89	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
90	Tris(trimethylsilyl)silane (TTMSS)-Derived Radical Reactivity toward Alkenes:Â A Combined Quantum Mechanical and Laser Flash Photolysis Study. Journal of Organic Chemistry, 2007, 72, 6434-6439.	3.2	71

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91	Mechanistic and Preparative Studies of Radical Chain Homolytic Substitution Reactions of N-Heterocyclic Carbene Boranes and Disulfides. Journal of the American Chemical Society, 2013, 135, 10484-10491.	13.7	71
92	Photochemical Production of Interpenetrating Polymer Networks; Simultaneous Initiation of Radical and Cationic Polymerization Reactions. Polymers, 2014, 6, 2588-2610.	4.5	71
93	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
94	<i>In silico</i> rational design by molecular modeling of new ketones as photoinitiators in three-component photoinitiating systems: application in 3D printing. Polymer Chemistry, 2020, 11, 2230-2242.	3.9	71
95	Different NIR dye scaffolds for polymerization reactions under NIR light. Polymer Chemistry, 2019, 10, 6505-6514.	3.9	70
96	<i>N</i>-[2-(Dimethylamino)ethyl]-1,8-naphthalimide derivatives as photoinitiators under LEDs. Polymer Chemistry, 2018, 9, 994-1003.	3.9	69
97	N-Heterocyclic carbene-borane radicals as efficient initiating species of photopolymerization reactions under air. Polymer Chemistry, 2011, 2, 625-631.	3.9	67
98	Copper (Photo)redox Catalyst for Radical Photopolymerization in Shadowed Areas and Access to Thick and Filled Samples. Macromolecules, 2017, 50, 3761-3771.	4.8	66
99	Visible-light-mediated Î±-phosphorylation of <i>N</i>-aryl tertiary amines through the formation of electron-donorâ€“acceptor complexes: synthetic and mechanistic studies. Organic Chemistry Frontiers, 2019, 6, 41-44.	4.5	66
100	Visible-Light-Mediated Metal-Free Synthesis of Aryl Phosphonates: Synthetic and Mechanistic Investigations. Organic Letters, 2018, 20, 4164-4167.	4.6	65
101	Phenothiazine derivatives as photoredox catalysts for cationic and radical photosensitive resins for 3D printing technology and photocomposite synthesis. Polymer Chemistry, 2019, 10, 6145-6156.	3.9	65
102	Photoinduced Thermal Polymerization Reactions. Macromolecules, 2018, 51, 8808-8820.	4.8	63
103	New Phosphine Oxides as High Performance Near- UV Type I Photoinitiators of Radical Polymerization. Molecules, 2020, 25, 1671.	3.8	63
104	Perylene derivatives as photoinitiators in blue light sensitive cationic or radical curable films and panchromatic thiol-ene polymerizable films. European Polymer Journal, 2014, 53, 215-222.	5.4	62
105	A New Highly Efficient Amine-Free and Peroxide-Free Redox System for Free Radical Polymerization under Air with Possible Light Activation. Macromolecules, 2016, 49, 6296-6309.	4.8	62
106	Copper photoredox catalyst â€œG1â€ a new high performance photoinitiator for near-UV and visible LEDs. Polymer Chemistry, 2017, 8, 5580-5592.	3.9	62
107	On-Demand Visible Light Activated Amine/Benzoyl Peroxide Redox Initiating Systems: A Unique Tool To Overcome the Shadow Areas in Photopolymerization Processes. Macromolecules, 2016, 49, 9371-9381.	4.8	61
108	New chromone based photoinitiators for polymerization reactions under visible light. Polymer Chemistry, 2013, 4, 4234.	3.9	60

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109	Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. Molecules, 2017, 22, 2143.	3.8	60
110	Acridone derivatives as high performance visible light photoinitiators for cationic and radical photosensitive resins for 3D printing technology and for low migration photopolymer property. Polymer, 2018, 159, 47-58.	3.8	60
111	Photochemical Câ€“H Silylation and Hydroxymethylation of Pyridines and Related Structures: Synthetic Scope and Mechanisms. ACS Catalysis, 2020, 10, 13710-13717.	11.2	60
112	A Water-Compatible NHC-Borane: Photopolymerizations in Water and Rate Constants for Elementary Radical Reactions. ACS Macro Letters, 2012, 1, 92-95.	4.8	59
113	Development of new highâ€performance visible light photoinitiators based on carbazole scaffold and their applications in 3d printing and photocomposite synthesis. Journal of Polymer Science Part A, 2019, 57, 2081-2092.	2.3	59
114	NIR Sensitizer Operating under Long Wavelength (1064Ânm) for Free Radical Photopolymerization Processes. Macromolecular Rapid Communications, 2020, 41, e2000289.	3.9	59
115	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
116	Simultaneous initiation of radical and cationic polymerization reactions using the â€œG1â€• copper complex as photoredox catalyst: Applications of free radical/cationic hybrid photopolymerization in the composites and 3D printing fields. Progress in Organic Coatings, 2019, 132, 50-61.	3.9	58
117	New Highly Efficient Radical Photoinitiators Based on Siâˆ'Si Bond Cleavage. Macromolecules, 2007, 40, 8527-8530.	4.8	57
118	New Boryl Radicals Derived from Nâ€Heteroaryl Boranes: Generation and Reactivity. Chemistry - A European Journal, 2010, 16, 12920-12927.	3.3	57
119	Importance of the Position of the Chromophore Group on the Dissociation Process of Light Sensitive Alkoxyamines. Macromolecular Rapid Communications, 2010, 31, 1909-1913.	3.9	57
120	Difunctional acridinediones as photoinitiators of polymerization under UV andÂvisible lights: Structural effects. Polymer, 2013, 54, 3458-3466.	3.8	57
121	Formation of N-Heterocyclic Carbeneâ€“Boryl Radicals through Electrochemical and Photochemical Cleavage of the Bâ€“S bond in N-Heterocyclic Carbeneâ€“Boryl Sulfides. Journal of the American Chemical Society, 2013, 135, 16938-16947.	13.7	57
122	Metal-Free Synthesis of 6-Phosphorylated Phenanthridines: Synthetic and Mechanistic Insights. Organic Letters, 2016, 18, 5900-5903.	4.6	57
123	New sulfur-centered radicals as photopolymerization initiating species. Journal of Polymer Science Part A, 2007, 45, 2494-2502.	2.3	56
124	Acylgermanes: Excited state processes and reactivity. Chemical Physics Letters, 2009, 469, 298-303.	2.6	56
125	Greenâ€Lightâ€Induced Cationic Ring Opening Polymerization Reactions: Peryleneâ€3,4:9,10â€<i>bis</i>(Dicarboximide) as Efficient Photosensitizers. Macromolecular Chemistry and Physics, 2013, 214, 1052-1060.	2.2	56
126	The carbazole-bound ferrocenium salt as a specific cationic photoinitiator upon near-UV and visible LEDs (365â€“405Ânm). Polymer Bulletin, 2016, 73, 493-507.	3.3	56

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127	Redox two-component initiated free radical and cationic polymerizations: Concepts, reactions and applications. Progress in Polymer Science, 2019, 94, 33-56.	24.7	56
128	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
129	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
130	Novel Photoinitiators Based on Benzophenoneâ€Triphenylamine Hybrid Structure for LED Photopolymerization. Macromolecular Rapid Communications, 2020, 41, e2000460.	3.9	55
131	Long Wavelength Cationic Photopolymerization in Aerated Media: A Remarkable Titanocene/Tris(trimethylsilyl)silane/Onium Salt Photoinitiating System.. Macromolecules, 2009, 42, 8669-8674.	4.8	54
132	New pyridinium salts as versatile compounds for dye sensitized photopolymerization. European Polymer Journal, 2013, 49, 567-574.	5.4	54
133	UV-violet-blue LED induced polymerizations: Specific photoinitiating systems at 365, 385, 395 and 405Ânm. Polymer, 2014, 55, 6641-6648.	3.8	54
134	Ï€-Conjugated Dithienophosphole Derivatives as High Performance Photoinitiators for 3D Printing Resins. Macromolecules, 2018, 51, 1811-1821.	4.8	53
135	Ferrocene-based (photo)redox polymerization under long wavelengths. Polymer Chemistry, 2019, 10, 1431-1441.	3.9	53
136	Design of photoinitiating systems based on the chalcone-anthracene scaffold for LED cationic photopolymerization and application in 3D printing. European Polymer Journal, 2021, 147, 110300.	5.4	53
137	New Photoiniferters: Respective Role of the Initiating and Persistent Radicals. Macromolecules, 2008, 41, 2347-2352.	4.8	52
138	A Multicolor Photoinitiator for Cationic Polymerization and Interpenetrated Polymer Network Synthesis: 2,7â€Diâ€<i>tert</i>â€butyldimethyldihydropyrene. Macromolecular Rapid Communications, 2013, 34, 1104-1109.	3.9	52
139	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
140	Carbazole-based compounds as photoinitiators for free radical and cationic polymerization upon near visible light illumination. Photochemical and Photobiological Sciences, 2018, 17, 578-585.	2.9	51
141	Mechanosynthesis of a Copper complex for redox initiating systems with a unique near infrared light activation. Journal of Polymer Science Part A, 2017, 55, 3646-3655.	2.3	50
142	Design of Iodonium Salts for UV or Near-UV LEDs for Photoacid Generator and Polymerization Purposes. Molecules, 2020, 25, 149.	3.8	50
143	Novel Dâ€“Ï€-A and Aâ€“Ï€-Dâ€“Ï€-A three-component photoinitiating systems based on carbazole/triphenylamino based chalcones and application in 3D and 4D printing. Polymer Chemistry, 2020, 11, 6512-6528.	3.9	50
144	Monocomponent Photoinitiators based on Benzophenone-Carbazole Structure for LED Photoinitiating Systems and Application on 3D Printing. Polymers, 2020, 12, 1394.	4.5	50

#	ARTICLE	IF	CITATIONS
145	Nitroâ€Carbazole Based Oxime Esters as Dual Photo/Thermal Initiators for 3D Printing and Composite Preparation. Macromolecular Rapid Communications, 2021, 42, e2100207.	3.9	50
146	Boryl Radicals as a New Photoinitiating Species: A Way to Reduce the Oxygen Inhibition. Macromolecules, 2008, 41, 9057-9062.	4.8	49
147	Effect of Lewis base coordination on boryl radical reactivity: investigation using laser flash photolysis and kinetic ESR. Journal of Physical Organic Chemistry, 2009, 22, 986-993.	1.9	49
148	New functionalized aromatic ketones as photoinitiating systems for near visible and visible light induced polymerizations. Polymer, 2013, 54, 2857-2864.	3.8	49
149	Ketoâ€coumarin scaffold for photoinitiators for 3D printing and photocomposites. Journal of Polymer Science, 2020, 58, 1115-1129.	3.8	49
150	Photopolymerization and 3D/4D applications using newly developed dyes: Search around the natural chalcone scaffold in photoinitiating systems. Dyes and Pigments, 2021, 188, 109213.	3.7	49
151	Organic dyeâ€based photoinitiating systems for visibleâ€lightâ€induced photopolymerization. Journal of Polymer Science, 2021, 59, 1338-1389.	3.8	49
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