

Jacques LalevÃ©e

List of Publications by Year in descending order

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400
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	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.	11.8	463
2	Photopolymerization upon LEDs: new photoinitiating systems and strategies. <i>Polymer Chemistry</i> , 2015, 6, 3895-3912.	1.9	346
3	Metal-Free, Visible Light-Photocatalyzed Synthesis of Benzo[<i>b</i>]phosphole Oxides: Synthetic and Mechanistic Investigations. <i>Journal of the American Chemical Society</i> , 2016, 138, 7436-7441.	6.6	273
4	Polarity Reversal Catalysis in Radical Reductions of Halides by N-Heterocyclic Carbene Boranes. <i>Journal of the American Chemical Society</i> , 2012, 134, 5669-5674.	6.6	200
5	Toward Nitroxide-Mediated Photopolymerization. <i>Macromolecules</i> , 2010, 43, 2204-2212.	2.2	180
6	Efficient dual radical/cationic photoinitiator under visible light: a new concept. <i>Polymer Chemistry</i> , 2011, 2, 1986.	1.9	174
7	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.	2.2	172
8	N ^α -H and Î±(C ^α -H) Bond Dissociation Enthalpies of Aliphatic Amines. <i>Journal of the American Chemical Society</i> , 2002, 124, 9613-9621.	6.6	168
9	Subtle Ligand Effects in Oxidative Photocatalysis with Iridium Complexes: Application to Photopolymerization. <i>Chemistry - A European Journal</i> , 2011, 17, 15027-15031.	1.7	162
10	Green Chemistry: Sunlight-Induced Cationic Polymerization of Renewable Epoxy Monomers Under Air. <i>Macromolecules</i> , 2010, 43, 1364-1370.	2.2	160
11	Photopolymerization Reactions: On the Way to a Green and Sustainable Chemistry. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 490-514.	1.3	158
12	High Performance Near-Infrared (NIR) Photoinitiating Systems Operating under Low Light Intensity and in the Presence of Oxygen. <i>Macromolecules</i> , 2018, 51, 1314-1324.	2.2	152
13	Copper Complexes in Radical Photoinitiating Systems: Applications to Free Radical and Cationic Polymerization upon Visible LEDs. <i>Macromolecules</i> , 2014, 47, 3837-3844.	2.2	150
14	Photopolymerization processes of thick films and in shadow areas: a review for the access to composites. <i>Polymer Chemistry</i> , 2017, 8, 7088-7101.	1.9	145
15	Polyaromatic Structures as Organo-Photoinitiator Catalysts for Efficient Visible Light Induced Dual Radical/Cationic Photopolymerization and Interpenetrated Polymer Networks Synthesis. <i>Macromolecules</i> , 2012, 45, 4454-4460.	2.2	144
16	Iridium Photocatalysts in Free Radical Photopolymerization under Visible Lights. <i>ACS Macro Letters</i> , 2012, 1, 286-290.	2.3	136
17	Photocatalysts in Polymerization Reactions. <i>ChemCatChem</i> , 2016, 8, 1617-1631.	1.8	136
18	Photopolymerization of <i>N</i> -Vinylcarbazole Using Visible-Light Harvesting Iridium Complexes as Photoinitiators. <i>Macromolecules</i> , 2012, 45, 4134-4141.	2.2	133

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19	<i>N</i> -Vinylcarbazole: An Additive for Free Radical Promoted Cationic Polymerization upon Visible Light. <i>ACS Macro Letters</i> , 2012, 1, 802-806.	2.3	129
20	Tunable Organophotocatalysts for Polymerization Reactions Under Visible Lights.. <i>Macromolecules</i> , 2012, 45, 1746-1752.	2.2	128
21	<i>N</i> -Heterocyclic Carbenes ⁺ Borane Complexes: A New Class of Initiators for Radical Photopolymerization. <i>Macromolecules</i> , 2010, 43, 2261-2267.	2.2	123
22	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.	2.2	121
23	Dyes as Photoinitiators or Photosensitizers of Polymerization Reactions. <i>Materials</i> , 2010, 3, 5130-5142.	1.3	120
24	Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. <i>Polymer Chemistry</i> , 2013, 4, 5440.	1.9	120
25	Free radical promoted cationic photopolymerization under visible light in aerated media: New and highly efficient silane containing initiating systems. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2008-2014.	2.5	117
26	Silanes as New Highly Efficient Co-initiators for Radical Polymerization in Aerated Media. <i>Macromolecules</i> , 2008, 41, 2003-2010.	2.2	116
27	New Push-Pull Dyes Derived from Michler's Ketone For Polymerization Reactions Upon Visible Lights.. <i>Macromolecules</i> , 2013, 46, 3761-3770.	2.2	112
28	Radical photoinitiation with LEDs and applications in the 3D printing of composites. <i>Chemical Society Reviews</i> , 2021, 50, 3824-3841.	18.7	110
29	Blue Light Sensitive Dyes for Various Photopolymerization Reactions: Naphthalimide and Naphthalic Anhydride Derivatives.. <i>Macromolecules</i> , 2014, 47, 601-608.	2.2	106
30	New Photoinitiators Based on the Silyl Radical Chemistry: Polymerization Ability, ESR Spin Trapping, and Laser Flash Photolysis Investigation. <i>Macromolecules</i> , 2008, 41, 4180-4186.	2.2	103
31	A Novel Photopolymerization Initiating System Based on an Iridium Complex Photocatalyst. <i>Macromolecular Rapid Communications</i> , 2011, 32, 917-920.	2.0	103
32	Carbazole Derivatives with Thermally Activated Delayed Fluorescence Property as Photoinitiators/Photoredox Catalysts for LED 3D Printing Technology. <i>Macromolecules</i> , 2017, 50, 4913-4926.	2.2	100
33	Coumarin derivatives as versatile photoinitiators for 3D printing, polymerization in water and photocomposite synthesis. <i>Polymer Chemistry</i> , 2019, 10, 872-884.	1.9	100
34	Photocatalyzed Cu-Based ATRP Involving an Oxidative Quenching Mechanism under Visible Light. <i>Macromolecules</i> , 2015, 48, 1972-1980.	2.2	99
35	Zinc Tetraphenylporphyrin as High Performance Visible Light Photoinitiator of Cationic Photosensitive Resins for LED Projector 3D Printing Applications. <i>Macromolecules</i> , 2017, 50, 746-753.	2.2	99
36	Aminoalkyl Radicals: Direct Observation and Reactivity toward Oxygen, 2,2,6,6-Tetramethylpiperidine- <i>N</i> -oxyl, and Methyl Acrylate. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6991-6998.	1.1	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).. <i>Macromolecules</i> , 2014, 47, 2811-2819.	2.2	98
38	Blue-to-Red Light Sensitive Push-Pull Structured Photoinitiators: Indanedione Derivatives for Radical and Cationic Photopolymerization Reactions. <i>Macromolecules</i> , 2013, 46, 3332-3341.	2.2	95
39	A new role of curcumin: as a multicolor photoinitiator for polymer fabrication under household UV to red LED bulbs. <i>Polymer Chemistry</i> , 2015, 6, 5053-5061.	1.9	95
40	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	95
41	Iridium complexes incorporating coumarin moiety as catalyst photoinitiators: Towards household green LED bulb and halogen lamp irradiation. <i>Polymer</i> , 2012, 53, 2803-2808.	1.8	94
42	Organic Photocatalyst for Polymerization Reactions: 9,10-Bis[(triisopropylsilyl)ethynyl]anthracene. <i>ACS Macro Letters</i> , 2012, 1, 198-203.	2.3	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. <i>Polymer Chemistry</i> , 2017, 8, 568-580.	1.9	93
44	Charge Transfer Complexes as Pan-Scaled Photoinitiating Systems: From 50 μ m 3D Printed Polymers at 405 nm to Extremely Deep Photopolymerization (31 cm). <i>Macromolecules</i> , 2018, 51, 57-70.	2.2	93
45	Push-pull (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.	1.9	92
46	Cationic and Thiol-Ene Photopolymerization upon Red Lights Using Anthraquinone Derivatives as Photoinitiators. <i>Macromolecules</i> , 2013, 46, 6744-6750.	2.2	91
47	Design of new Type I and Type II photoinitiators possessing highly coupled pyrene-ketone moieties. <i>Polymer Chemistry</i> , 2013, 4, 2313.	1.9	91
48	Julolidine or Fluorenone Based Push-Pull Dyes for Polymerization upon Soft Polychromatic Visible Light or Green Light.. <i>Macromolecules</i> , 2014, 47, 106-112.	2.2	91
49	Variations on the Benzophenone Skeleton: Novel High Performance Blue Light Sensitive Photoinitiating Systems. <i>Macromolecules</i> , 2013, 46, 7661-7667.	2.2	89
50	Metal and metal-free photocatalysts: mechanistic approach and application as photoinitiators of photopolymerization. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 863-876.	1.3	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. <i>Polymer Chemistry</i> , 2015, 6, 613-624.	1.9	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. <i>Macromolecules</i> , 2009, 42, 8725-8732.	2.2	86
53	Recent Developments of Versatile Photoinitiating Systems for Cationic Ring Opening Polymerization Operating at Any Wavelengths and under Low Light Intensity Sources. <i>Molecules</i> , 2015, 20, 7201-7221.	1.7	86
54	N-Heterocyclic Carbene Boranes Accelerate Type I Radical Photopolymerizations and Overcome Oxygen Inhibition. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5958-5961.	7.2	85

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55	Light Harvesting Organic Photoinitiators of Polymerization. <i>Macromolecular Rapid Communications</i> , 2013, 34, 239-245.	2.0	85
56	A dinuclear gold complex as a novel photoredox catalyst for light-induced atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2015, 6, 4605-4611.	1.9	85
57	3-Hydroxyflavone and <i>N</i> -Phenylglycine in High Performance Photoinitiating Systems for 3D Printing and Photocomposites Synthesis. <i>Macromolecules</i> , 2018, 51, 4633-4641.	2.2	85
58	Germanes as efficient coinitiators in radical and cationic photopolymerizations. <i>Journal of Polymer Science Part A</i> , 2008, 46, 3042-3047.	2.5	84
59	Electron Spin Resonance Spin Trapping Technique: Application to the Cleavage Process of Photoinitiators. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2223-2231.	1.1	84
60	New thioxanthone and xanthone photoinitiators based on silyl radical chemistry. <i>Polymer Chemistry</i> , 2011, 2, 1077-1084.	1.9	83
61	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.	2.2	83
62	Combination of transition metal carbonyls and silanes: New photoinitiating systems. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1830-1837.	2.5	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. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1189-1199.	2.5	82
64	Overcoming the oxygen inhibition in the photopolymerization of acrylates: A study of the beneficial effect of triphenylphosphine. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2462-2469.	2.5	81
65	Photoinitiation mechanism of free radical photopolymerization in the presence of cyclic acetals and related compounds. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5758-5766.	2.5	81
66	Trifunctional Photoinitiators Based on a Triazine Skeleton for Visible Light Source and UV LED Induced Polymerizations. <i>Macromolecules</i> , 2012, 45, 8639-8647.	2.2	81
67	Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. <i>ACS Macro Letters</i> , 2013, 2, 736-740.	2.3	81
68	Chalcone derivatives as highly versatile photoinitiators for radical, cationic, thiol-ene and IPN polymerization reactions upon exposure to visible light. <i>Polymer Chemistry</i> , 2014, 5, 382-390.	1.9	81
69	Specific cationic photoinitiators for near UV and visible LEDs: Iodonium versus ferrocenium structures. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	81
70	Organic Electronics: An El Dorado in the Quest of New Photocatalysts for Polymerization Reactions. <i>Accounts of Chemical Research</i> , 2016, 49, 1980-1989.	7.6	81
71	Three-component photoinitiating systems: towards innovative tailor made high performance combinations. <i>RSC Advances</i> , 2012, 2, 2621.	1.7	80
72	Multicolor Photoinitiators for Radical and Cationic Polymerization: Monofunctional vs Polyfunctional Thiophene Derivatives. <i>Macromolecules</i> , 2013, 46, 6786-6793.	2.2	80

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73	Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. <i>Polymer Chemistry</i> , 2014, 5, 2293.	1.9	80
74	Photoinduced free radical promoted cationic polymerization 40 years after its discovery. <i>Polymer Chemistry</i> , 2020, 11, 1111-1121.	1.9	79
75	Zinc-based metal complexes as new photocatalysts in polymerization initiating systems. <i>European Polymer Journal</i> , 2013, 49, 1040-1049.	2.6	78
76	New Cleavable Photoinitiator Architecture with Huge Molar Extinction Coefficients for Polymerization in the 340-450 nm Range. <i>Macromolecules</i> , 2013, 46, 736-746.	2.2	78
77	Reactivity of Carbon-Centered Radicals toward Acrylate Double Bonds: Relative Contribution of Polar vs Enthalpy Effects. <i>Journal of Physical Chemistry A</i> , 2004, 108, 4326-4334.	1.1	77
78	New insights into radical and cationic polymerizations upon visible light exposure: role of novel photoinitiator systems based on the pyrene chromophore. <i>Polymer Chemistry</i> , 2013, 4, 1625-1634.	1.9	77
79	Red-Light-Induced Cationic Photopolymerization: Perylene Derivatives as Efficient Photoinitiators. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1452-1458.	2.0	77
80	Visible light photoinitiating systems by charge transfer complexes: Photochemistry without dyes. <i>Progress in Polymer Science</i> , 2020, 107, 101277.	11.8	77
81	Development of a Robust Photocatalyzed ATRP Mechanism Exhibiting Good Tolerance to Oxygen and Inhibitors. <i>Macromolecules</i> , 2016, 49, 7653-7666.	2.2	76
82	Novel naphthalimide-amine 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.	1.9	76
83	Photopolymerization of Cationic Monomers and Acrylate/Divinylether Blends under Visible Light Using Pyrromethene Dyes. <i>Macromolecules</i> , 2012, 45, 6864-6868.	2.2	75
84	A novel naphthalimide scaffold based iodonium salt as a one-component photoacid/photoinitiator for cationic and radical polymerization under LED exposure. <i>Polymer Chemistry</i> , 2016, 7, 5873-5879.	1.9	75
85	Recent advances in sunlight induced polymerization: role of new photoinitiating systems based on the silyl radical chemistry. <i>Polymer Chemistry</i> , 2011, 2, 1107-1113.	1.9	74
86	Dihydroxyanthraquinone derivatives: natural dyes as blue-light-sensitive versatile photoinitiators of photopolymerization. <i>Polymer Chemistry</i> , 2016, 7, 7316-7324.	1.9	74
87	Soft Photopolymerizations Initiated by Dye-Sensitized Formation of NHC-Boryl Radicals under Visible Light. <i>Macromolecules</i> , 2013, 46, 43-48.	2.2	72
88	A monocomponent bifunctional benzophenone-carbazole type II photoinitiator for LED photoinitiating systems. <i>Polymer Chemistry</i> , 2020, 11, 3551-3556.	1.9	72
89	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.	1.9	72
90	Tris(trimethylsilyl)silane (TTMSS)-Derived Radical Reactivity toward Alkenes: A Combined Quantum Mechanical and Laser Flash Photolysis Study. <i>Journal of Organic Chemistry</i> , 2007, 72, 6434-6439.	1.7	71

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91	Mechanistic and Preparative Studies of Radical Chain Homolytic Substitution Reactions of N-Heterocyclic Carbene Boranes and Disulfides. <i>Journal of the American Chemical Society</i> , 2013, 135, 10484-10491.	6.6	71
92	Photochemical Production of Interpenetrating Polymer Networks; Simultaneous Initiation of Radical and Cationic Polymerization Reactions. <i>Polymers</i> , 2014, 6, 2588-2610.	2.0	71
93	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	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. <i>Polymer Chemistry</i> , 2020, 11, 2230-2242.	1.9	71
95	Different NIR dye scaffolds for polymerization reactions under NIR light. <i>Polymer Chemistry</i> , 2019, 10, 6505-6514.	1.9	70
96	<i>N</i> -[2-(Dimethylamino)ethyl]-1,8-naphthalimide derivatives as photoinitiators under LEDs. <i>Polymer Chemistry</i> , 2018, 9, 994-1003.	1.9	69
97	N-Heterocyclic carbene-borane radicals as efficient initiating species of photopolymerization reactions under air. <i>Polymer Chemistry</i> , 2011, 2, 625-631.	1.9	67
98	Copper (Photo)redox Catalyst for Radical Photopolymerization in Shadowed Areas and Access to Thick and Filled Samples. <i>Macromolecules</i> , 2017, 50, 3761-3771.	2.2	66
99	Visible-light-mediated $\hat{\pi}$ -phosphorylation of <i>N</i> -aryl tertiary amines through the formation of electron-donor-acceptor complexes: synthetic and mechanistic studies. <i>Organic Chemistry Frontiers</i> , 2019, 6, 41-44.	2.3	66
100	Visible-Light-Mediated Metal-Free Synthesis of Aryl Phosphonates: Synthetic and Mechanistic Investigations. <i>Organic Letters</i> , 2018, 20, 4164-4167.	2.4	65
101	Phenothiazine derivatives as photoredox catalysts for cationic and radical photosensitive resins for 3D printing technology and photocomposite synthesis. <i>Polymer Chemistry</i> , 2019, 10, 6145-6156.	1.9	65
102	Photoinduced Thermal Polymerization Reactions. <i>Macromolecules</i> , 2018, 51, 8808-8820.	2.2	63
103	New Phosphine Oxides as High Performance Near-UV Type I Photoinitiators of Radical Polymerization. <i>Molecules</i> , 2020, 25, 1671.	1.7	63
104	Perylene derivatives as photoinitiators in blue light sensitive cationic or radical curable films and panchromatic thiol-ene polymerizable films. <i>European Polymer Journal</i> , 2014, 53, 215-222.	2.6	62
105	A New Highly Efficient Amine-Free and Peroxide-Free Redox System for Free Radical Polymerization under Air with Possible Light Activation. <i>Macromolecules</i> , 2016, 49, 6296-6309.	2.2	62
106	Copper photoredox catalyst $\hat{\pi}$ -a new high performance photoinitiator for near-UV and visible LEDs. <i>Polymer Chemistry</i> , 2017, 8, 5580-5592.	1.9	62
107	On-Demand Visible Light Activated Amine/Benzoyl Peroxide Redox Initiating Systems: A Unique Tool To Overcome the Shadow Areas in Photopolymerization Processes. <i>Macromolecules</i> , 2016, 49, 9371-9381.	2.2	61
108	New chromone based photoinitiators for polymerization reactions under visible light. <i>Polymer Chemistry</i> , 2013, 4, 4234.	1.9	60

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109	Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. <i>Molecules</i> , 2017, 22, 2143.	1.7	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. <i>Polymer</i> , 2018, 159, 47-58.	1.8	60
111	Photochemical C-H Silylation and Hydroxymethylation of Pyridines and Related Structures: Synthetic Scope and Mechanisms. <i>ACS Catalysis</i> , 2020, 10, 13710-13717.	5.5	60
112	A Water-Compatible NHC-Borane: Photopolymerizations in Water and Rate Constants for Elementary Radical Reactions. <i>ACS Macro Letters</i> , 2012, 1, 92-95.	2.3	59
113	Development of new high-performance visible light photoinitiators based on carbazole scaffold and their applications in 3d printing and photocomposite synthesis. <i>Journal of Polymer Science Part A</i> , 2019, 57, 2081-2092.	2.5	59
114	NIR Sensitizer Operating under Long Wavelength (1064Ånm) for Free Radical Photopolymerization Processes. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000289.	2.0	59
115	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.	3.2	59
116	Simultaneous initiation of radical and cationic polymerization reactions using the Cu(I)-copper complex as photoredox catalyst: Applications of free radical/cationic hybrid photopolymerization in the composites and 3D printing fields. <i>Progress in Organic Coatings</i> , 2019, 132, 50-61.	1.9	58
117	New Highly Efficient Radical Photoinitiators Based on Si-Si Bond Cleavage. <i>Macromolecules</i> , 2007, 40, 8527-8530.	2.2	57
118	New Boryl Radicals Derived from N-Heteroaryl Boranes: Generation and Reactivity. <i>Chemistry - A European Journal</i> , 2010, 16, 12920-12927.	1.7	57
119	Importance of the Position of the Chromophore Group on the Dissociation Process of Light Sensitive Alkoxyamines. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1909-1913.	2.0	57
120	Difunctional acridinediones as photoinitiators of polymerization under UV and visible lights: Structural effects. <i>Polymer</i> , 2013, 54, 3458-3466.	1.8	57
121	Formation of N-Heterocyclic Carbene-Boryl Radicals through Electrochemical and Photochemical Cleavage of the C-S bond in N-Heterocyclic Carbene-Boryl Sulfides. <i>Journal of the American Chemical Society</i> , 2013, 135, 16938-16947.	6.6	57
122	Metal-Free Synthesis of 6-Phosphorylated Phenanthridines: Synthetic and Mechanistic Insights. <i>Organic Letters</i> , 2016, 18, 5900-5903.	2.4	57
123	New sulfur-centered radicals as photopolymerization initiating species. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2494-2502.	2.5	56
124	Acylgermanes: Excited state processes and reactivity. <i>Chemical Physics Letters</i> , 2009, 469, 298-303.	1.2	56
125	Green-Light-Induced Cationic Ring Opening Polymerization Reactions: Perylene-3,4:9,10-bis(Dicarboximide) as Efficient Photosensitizers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1052-1060.	1.1	56
126	The carbazole-bound ferrocenium salt as a specific cationic photoinitiator upon near-UV and visible LEDs (365-405Ånm). <i>Polymer Bulletin</i> , 2016, 73, 493-507.	1.7	56

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127	Redox two-component initiated free radical and cationic polymerizations: Concepts, reactions and applications. <i>Progress in Polymer Science</i> , 2019, 94, 33-56.	11.8	56
128	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. <i>Polymer Chemistry</i> , 2013, 4, 5679.	1.9	55
129	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	55
130	Novel Photoinitiators Based on Benzophenone-Triphenylamine Hybrid Structure for LED Photopolymerization. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000460.	2.0	55
131	Long Wavelength Cationic Photopolymerization in Aerated Media: A Remarkable Titanocene/Tris(trimethylsilyl)silane/Onium Salt Photoinitiating System.. <i>Macromolecules</i> , 2009, 42, 8669-8674.	2.2	54
132	New pyridinium salts as versatile compounds for dye sensitized photopolymerization. <i>European Polymer Journal</i> , 2013, 49, 567-574.	2.6	54
133	UV-violet-blue LED induced polymerizations: Specific photoinitiating systems at 365, 385, 395 and 405 nm. <i>Polymer</i> , 2014, 55, 6641-6648.	1.8	54
134	π-Conjugated Dithienophosphole Derivatives as High Performance Photoinitiators for 3D Printing Resins. <i>Macromolecules</i> , 2018, 51, 1811-1821.	2.2	53
135	Ferrocene-based (photo)redox polymerization under long wavelengths. <i>Polymer Chemistry</i> , 2019, 10, 1431-1441.	1.9	53
136	Design of photoinitiating systems based on the chalcone-anthracene scaffold for LED cationic photopolymerization and application in 3D printing. <i>European Polymer Journal</i> , 2021, 147, 110300.	2.6	53
137	New Photoinitifers: Respective Role of the Initiating and Persistent Radicals. <i>Macromolecules</i> , 2008, 41, 2347-2352.	2.2	52
138	A Multicolor Photoinitiator for Cationic Polymerization and Interpenetrated Polymer Network Synthesis: 2,7-di-tert-butylidimethyldihydropyrene. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1104-1109.	2.0	52
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