

Jacques Laleve

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418
papers

14,702
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66
h-index

93
g-index

426
ext. papers

17,559
ext. citations

5
avg, IF

7.04
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#	Paper	IF	Citations
418	Visible light sensitive photoinitiating systems: Recent progress in cationic and radical photopolymerization reactions under soft conditions. <i>Progress in Polymer Science</i> , 2015 , 41, 32-66	29.6	364
417	2012 ,		364
416	Photopolymerization upon LEDs: new photoinitiating systems and strategies. <i>Polymer Chemistry</i> , 2015 , 6, 3895-3912	4.9	276
415	Metal-Free, Visible Light-Photocatalyzed Synthesis of Benzo[b]phosphole Oxides: Synthetic and Mechanistic Investigations. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7436-41	16.4	210
414	Polarity reversal catalysis in radical reductions of halides by N-heterocyclic carbene boranes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5669-74	16.4	170
413	Efficient dual radical/cationic photoinitiator under visible light: a new concept. <i>Polymer Chemistry</i> , 2011 , 2, 1986	4.9	165
412	Toward Nitroxide-Mediated Photopolymerization. <i>Macromolecules</i> , 2010 , 43, 2204-2212	5.5	162
411	N-H and alpha(C-H) bond dissociation enthalpies of aliphatic amines. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9613-21	16.4	151
410	Green Chemistry: Sunlight-Induced Cationic Polymerization of Renewable Epoxy Monomers Under Air. <i>Macromolecules</i> , 2010 , 43, 1364-1370	5.5	147
409	Subtle ligand effects in oxidative photocatalysis with iridium complexes: application to photopolymerization. <i>Chemistry - A European Journal</i> , 2011 , 17, 15027-31	4.8	144
408	Structure Design of Naphthalimide Derivatives: Toward Versatile Photoinitiators for Near-UV/Visible LEDs, 3D Printing, and Water-Soluble Photoinitiating Systems. <i>Macromolecules</i> , 2015 , 48, 2054-2063	5.5	139
407	Copper Complexes in Radical Photoinitiating Systems: Applications to Free Radical and Cationic Polymerization upon Visible LEDs. <i>Macromolecules</i> , 2014 , 47, 3837-3844	5.5	127
406	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	5.5	127
405	Photocatalysts in Polymerization Reactions. <i>ChemCatChem</i> , 2016 , 8, 1617-1631	5.2	126
404	N-Vinylcarbazole: An Additive for Free Radical Promoted Cationic Polymerization upon Visible Light. <i>ACS Macro Letters</i> , 2012 , 1, 802-806	6.6	124
403	Tunable Organophotocatalysts for Polymerization Reactions Under Visible Lights.. <i>Macromolecules</i> , 2012 , 45, 1746-1752	5.5	123
402	Iridium Photocatalysts in Free Radical Photopolymerization under Visible Lights.. <i>ACS Macro Letters</i> , 2012 , 1, 286-290	6.6	121

401	Photopolymerization of N-Vinylcarbazole Using Visible-Light Harvesting Iridium Complexes as Photoinitiators. <i>Macromolecules</i> , 2012 , 45, 4134-4141	5.5	118
400	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	5.5	116
399	Photopolymerization processes of thick films and in shadow areas: a review for the access to composites. <i>Polymer Chemistry</i> , 2017 , 8, 7088-7101	4.9	114
398	Photopolymerization Reactions: On the Way to a Green and Sustainable Chemistry. <i>Applied Sciences (Switzerland)</i> , 2013 , 3, 490-514	2.6	113
397	Silanes as New Highly Efficient Co-initiators for Radical Polymerization in Aerated Media. <i>Macromolecules</i> , 2008 , 41, 2003-2010	5.5	112
396	N-Heterocyclic Carbenes-Borane Complexes: A New Class of Initiators for Radical Photopolymerization. <i>Macromolecules</i> , 2010 , 43, 2261-2267	5.5	110
395	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	5.5	105
394	Naphthalimide based methacrylated photoinitiators in radical and cationic photopolymerization under visible light. <i>Polymer Chemistry</i> , 2013 , 4, 5440	4.9	98
393	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	5.5	98
392	Dyes as Photoinitiators or Photosensitizers of Polymerization Reactions. <i>Materials</i> , 2010 , 3, 5130-5142	3.5	97
391	A novel photopolymerization initiating system based on an iridium complex photocatalyst. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 917-20	4.8	96
390	Carbazole Scaffold Based Photoinitiator/Photoredox Catalysts: Toward New High Performance Photoinitiating Systems and Application in LED Projector 3D Printing Resins. <i>Macromolecules</i> , 2017 , 50, 2747-2758	5.5	92
389	Organic Photocatalyst for Polymerization Reactions: 9,10-Bis[(triisopropylsilyl)ethynyl]anthracene.. <i>ACS Macro Letters</i> , 2012 , 1, 198-203	6.6	92
388	New PushBull Dyes Derived from Michler's Ketone For Polymerization Reactions Upon Visible Lights.. <i>Macromolecules</i> , 2013 , 46, 3761-3770	5.5	92
387	Photocatalyzed Cu-Based ATRP Involving an Oxidative Quenching Mechanism under Visible Light. <i>Macromolecules</i> , 2015 , 48, 1972-1980	5.5	90
386	Iridium complexes incorporating coumarin moiety as catalyst photoinitiators: Towards household green LED bulb and halogen lamp irradiation. <i>Polymer</i> , 2012 , 53, 2803-2808	3.9	90
385	Aminoalkyl radicals: direct observation and reactivity toward oxygen, 2,2,6,6-tetramethylpiperidine-N-oxyl, and methyl acrylate. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 6991-8	2.8	88
384	Blue Light Sensitive Dyes for Various Photopolymerization Reactions: Naphthalimide and Naphthalic Anhydride Derivatives.. <i>Macromolecules</i> , 2014 , 47, 601-608	5.5	86

- 383 Blue-to-Red Light Sensitive PushPull Structured Photoinitiators: Indanedione Derivatives for Radical and Cationic Photopolymerization Reactions. *Macromolecules*, **2013**, 46, 3332-3341 5.5 82
- 382 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 5.5 81
- 381 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 5.5 80
- 380 Combination of transition metal carbonyls and silanes: New photoinitiating systems. *Journal of Polymer Science Part A*, **2010**, 48, 1830-1837 2.5 79
- 379 Germanes as efficient coinitiators in radical and cationic photopolymerizations. *Journal of Polymer Science Part A*, **2008**, 46, 3042-3047 2.5 78
- 378 Julolidine or Fluorenone Based PushPull Dyes for Polymerization upon Soft Polychromatic Visible Light or Green Light.. *Macromolecules*, **2014**, 47, 106-112 5.5 75
- 377 Variations on the Benzophenone Skeleton: Novel High Performance Blue Light Sensitive Photoinitiating Systems. *Macromolecules*, **2013**, 46, 7661-7667 5.5 75
- 376 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 4.9 75
- 375 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
- 374 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
- 373 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
- 372 Zinc Tetraphenylporphyrin as High Performance Visible Light Photoinitiator of Cationic Photosensitive Resins for LED Projector 3D Printing Applications. *Macromolecules*, **2017**, 50, 746-753 5.5 73
- 371 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 4.9 72
- 370 Coumarin derivatives as versatile photoinitiators for 3D printing, polymerization in water and photocomposite synthesis. *Polymer Chemistry*, **2019**, 10, 872-884 4.9 72
- 369 Cationic and Thiolene Photopolymerization upon Red Lights Using Anthraquinone Derivatives as Photoinitiators. *Macromolecules*, **2013**, 46, 6744-6750 5.5 72
- 368 PushPull (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
- 367 Design of new Type I and Type II photoinitiators possessing highly coupled pyreneketone moieties. *Polymer Chemistry*, **2013**, 4, 2313 4.9 72
- 366 N-heterocyclic carbene boranes accelerate type I radical photopolymerizations and overcome oxygen inhibition. *Angewandte Chemie - International Edition*, **2012**, 51, 5958-61 16.4 71

365	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	71
364	A dinuclear gold(I) complex as a novel photoredox catalyst for light-induced atom transfer radical polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 4605-4611	4.9	70
363	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	5.5	70
362	New Cleavable Photoinitiator Architecture with Huge Molar Extinction Coefficients for Polymerization in the 340-500 nm Range.. <i>Macromolecules</i> , 2013 , 46, 736-746	5.5	69
361	Light-harvesting organic photoinitiators of polymerization. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 239-45	4.8	69
360	Trifunctional Photoinitiators Based on a Triazine Skeleton for Visible Light Source and UV LED Induced Polymerizations. <i>Macromolecules</i> , 2012 , 45, 8639-8647	5.5	69
359	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	2.8	69
358	Multicolor Photoinitiators for Radical and Cationic Polymerization: Monofunctional vs Polyfunctional Thiophene Derivatives. <i>Macromolecules</i> , 2013 , 46, 6786-6793	5.5	68
357	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, 7201-21	4.8	68
356	Electron Spin Resonance Spin Trapping Technique: Application to the Cleavage Process of Photoinitiators. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 2223-2231	2.6	68
355	Structural Effects in the Indanedione Skeleton for the Design of Low Intensity 300-400 nm Light Sensitive Initiators.. <i>Macromolecules</i> , 2014 , 47, 26-34	5.5	67
354	Organic Electronics: An El Dorado in the Quest of New Photocatalysts for Polymerization Reactions. <i>Accounts of Chemical Research</i> , 2016 , 49, 1980-9	24.3	66
353	Panchromatic Photopolymerizable Cationic Films Using Indoline and Squaraine Dye Based Photoinitiating Systems. <i>ACS Macro Letters</i> , 2013 , 2, 736-740	6.6	66
352	New thioxanthone and xanthone photoinitiators based on silyl radical chemistry. <i>Polymer Chemistry</i> , 2011 , 2, 1077-1084	4.9	66
351	Green light sensitive diketopyrrolopyrrole derivatives used in versatile photoinitiating systems for photopolymerizations. <i>Polymer Chemistry</i> , 2014 , 5, 2293	4.9	65
350	Development of a Robust Photocatalyzed ATRP Mechanism Exhibiting Good Tolerance to Oxygen and Inhibitors. <i>Macromolecules</i> , 2016 , 49, 7653-7666	5.5	65
349	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	64
348	Metal and metal-free photocatalysts: mechanistic approach and application as photoinitiators of photopolymerization. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 863-76	2.5	64

- 347 Tris(trimethylsilyl)silane (TTMSS)-derived radical reactivity toward alkenes: a combined quantum mechanical and laser flash photolysis study. *Journal of Organic Chemistry*, **2007**, 72, 6434-9 4.2 64
- 346 Chalcone derivatives as highly versatile photoinitiators for radical, cationic, thiolene and IPN polymerization reactions upon exposure to visible light. *Polymer Chemistry*, **2014**, 5, 382-390 4.9 63
- 345 Red-light-induced cationic photopolymerization: perylene derivatives as efficient photoinitiators. *Macromolecular Rapid Communications*, **2013**, 34, 1452-8 4.8 63
- 344 Recent advances in sunlight induced polymerization: role of new photoinitiating systems based on the silyl radical chemistry. *Polymer Chemistry*, **2011**, 2, 1107-1113 4.9 63
- 343 Soft Photopolymerizations Initiated by Dye-Sensitized Formation of NHC-Boryl Radicals under Visible Light. *Macromolecules*, **2013**, 46, 43-48 5.5 62
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- 341 Three-component photoinitiating systems: towards innovative tailor made high performance combinations. *RSC Advances*, **2012**, 2, 2621 3.7 62
- 340 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, 10484-91 6.4 61
- 339 Zinc-based metal complexes as new photocatalysts in polymerization initiating systems. *European Polymer Journal*, **2013**, 49, 1040-1049 5.2 61
- 338 N-Heterocyclic carbene-borane radicals as efficient initiating species of photopolymerization reactions under air. *Polymer Chemistry*, **2011**, 2, 625-631 4.9 61
- 337 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 4.9 59
- 336 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
- 335 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 2.5 59
- 334 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
- 333 3-Hydroxyflavone and N-Phenylglycine in High Performance Photoinitiating Systems for 3D Printing and Photocomposites Synthesis. *Macromolecules*, **2018**, 51, 4633-4641 5.5 57
- 332 A Water-Compatible NHC-Borane: Photopolymerizations in Water and Rate Constants for Elementary Radical Reactions. *ACS Macro Letters*, **2012**, 1, 92-95 6.6 57
- 331 Photopolymerization of Cationic Monomers and Acrylate/Divinylether Blends under Visible Light Using Pyrromethene Dyes. *Macromolecules*, **2012**, 45, 6864-6868 5.5 57
- 330 Importance of the position of the chromophore group on the dissociation process of light sensitive alkoxyamines. *Macromolecular Rapid Communications*, **2010**, 31, 1909-13 4.8 54

329	New sulfur-centered radicals as photopolymerization initiating species. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 2494-2502	2.5	54
328	Dihydroxyanthraquinone derivatives: natural dyes as blue-light-sensitive versatile photoinitiators of photopolymerization. <i>Polymer Chemistry</i> , 2016 , 7, 7316-7324	4.9	53
327	New Highly Efficient Radical Photoinitiators Based on Si-B Bond Cleavage. <i>Macromolecules</i> , 2007 , 40, 8527-8530	5.5	53
326	Novel naphthalimide-imine based photoinitiators operating under violet and blue LEDs and usable for various polymerization reactions and synthesis of hydrogels. <i>Polymer Chemistry</i> , 2016 , 7, 418-429	4.9	52
325	Acylgermanes: Excited state processes and reactivity. <i>Chemical Physics Letters</i> , 2009 , 469, 298-303	2.5	51
324	Long Wavelength Cationic Photopolymerization in Aerated Media: A Remarkable Titanocene/Tris(trimethylsilyl)silane/Onium Salt Photoinitiating System.. <i>Macromolecules</i> , 2009 , 42, 8669-8674	5.5	49
323	Visible-light-mediated phosphorylation of N-aryl tertiary amines through the formation of electron-donor-acceptor complexes: synthetic and mechanistic studies. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 41-44	5.2	48
322	N-[2-(Dimethylamino)ethyl]-1,8-naphthalimide derivatives as photoinitiators under LEDs. <i>Polymer Chemistry</i> , 2018 , 9, 994-1003	4.9	48
321	Boryl Radicals as a New Photoinitiating Species: A Way to Reduce the Oxygen Inhibition. <i>Macromolecules</i> , 2008 , 41, 9057-9062	5.5	48
320	New Photoiniferters: Respective Role of the Initiating and Persistent Radicals. <i>Macromolecules</i> , 2008 , 41, 2347-2352	5.5	48
319	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	5.5	48
318	Copper (Photo)redox Catalyst for Radical Photopolymerization in Shadowed Areas and Access to Thick and Filled Samples. <i>Macromolecules</i> , 2017 , 50, 3761-3771	5.5	47
317	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	5.2	47
316	New boryl radicals derived from N-heteroaryl boranes: generation and reactivity. <i>Chemistry - A European Journal</i> , 2010 , 16, 12920-7	4.8	47
315	Formation of N-heterocyclic carbene-boryl radicals through electrochemical and photochemical cleavage of the B-S bond in N-heterocyclic carbene-boryl sulfides. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16938-47	16.4	46
314	Photoinduced free radical promoted cationic polymerization 40 years after its discovery. <i>Polymer Chemistry</i> , 2020 , 11, 1111-1121	4.9	46
313	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	4.9	46
312	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	4.8	45

311	New Initiating Systems for Thermal Cationic Polymerization at Ambient Temperature with in situ Formation of Ag(0) Nanoparticles: A Silane/Silver Salt Combination. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1441-1445	2.6	45
310	Difunctional acridinediones as photoinitiators of polymerization under UV and visible lights: Structural effects. <i>Polymer</i> , 2013 , 54, 3458-3466	3.9	44
309	New chromone based photoinitiators for polymerization reactions under visible light. <i>Polymer Chemistry</i> , 2013 , 4, 4234	4.9	44
308	Copper photoredox catalyst Cu^{I} : a new high performance photoinitiator for near-UV and visible LEDs. <i>Polymer Chemistry</i> , 2017 , 8, 5580-5592	4.9	44
307	Photoinitiators derived from natural product scaffolds: monochalcones in three-component photoinitiating systems and their applications in 3D printing. <i>Polymer Chemistry</i> , 2020 , 11, 4647-4659	4.9	43
306	In silico 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	4.9	43
305	On the Favorable Interaction of Metal Centered Radicals with Hydroperoxides for an Enhancement of the Photopolymerization Efficiency Under Air. <i>Macromolecules</i> , 2010 , 43, 6608-6615	5.5	43
304	Near UV-visible light induced cationic photopolymerization reactions: A three component photoinitiating system based on acridinedione/silane/iodonium salt. <i>European Polymer Journal</i> , 2010 , 46, 2138-2144	5.2	43
303	UV-violet-blue LED induced polymerizations: Specific photoinitiating systems at 365, 385, 395 and 405 nm. <i>Polymer</i> , 2014 , 55, 6641-6648	3.9	42
302	Tris(trimethylsilyl)silyl versus tris(trimethylsilyl)germyl: Radical reactivity and oxidation ability. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 3643-3649	2.3	42
301	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	4.9	42
300	Household LED irradiation under air: cationic polymerization using iridium or ruthenium complex photocatalysts. <i>Polymer Bulletin</i> , 2012 , 68, 341-347	2.4	41
299	Novel Carbazole Skeleton-Based Photoinitiators for LED Polymerization and LED Projector 3D Printing. <i>Molecules</i> , 2017 , 22,	4.8	41
298	Naphthalimide-phthalimide derivative based photoinitiating systems for polymerization reactions under blue lights. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 665-674	2.5	41
297	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	2.6	41
296	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	3.9	41
295	Visible-Light-Mediated Metal-Free Synthesis of Aryl Phosphonates: Synthetic and Mechanistic Investigations. <i>Organic Letters</i> , 2018 , 20, 4164-4167	6.2	41
294	A monocomponent bifunctional benzophenone-carbazole type II photoinitiator for LED photoinitiating systems. <i>Polymer Chemistry</i> , 2020 , 11, 3551-3556	4.9	40

293	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	40
292	New pyridinium salts as versatile compounds for dye sensitized photopolymerization. <i>European Polymer Journal</i> , 2013 , 49, 567-574	5.2	40
291	Effect of Lewis base coordination on boryl radical reactivity: investigation using laser flash photolysis and kinetic ESR. <i>Journal of Physical Organic Chemistry</i> , 2009 , 22, 986-993	2.1	40
290	Radical and cationic photopolymerization: New pyrylium and thiopyrylium salt-based photoinitiating systems. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 7369-7375	2.5	40
289	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	5.5	40
288	Radical photoinitiation with LEDs and applications in the 3D printing of composites. <i>Chemical Society Reviews</i> , 2021 , 50, 3824-3841	58.5	40
287	Investigation into the mechanism of photo-mediated RAFT polymerization involving the reversible photolysis of the chain-transfer agent. <i>Polymer Chemistry</i> , 2017 , 8, 1760-1770	4.9	39
286	Metal-Free Synthesis of 6-Phosphorylated Phenanthridines: Synthetic and Mechanistic Insights. <i>Organic Letters</i> , 2016 , 18, 5900-5903	6.2	39
285	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	4.9	39
284	A multicolor photoinitiator for cationic polymerization and interpenetrated polymer network synthesis: 2,7-di-tert-butylidimethyldihydropyrene. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1104-9	4.8	39
283	Naphthalimide Derivatives: Substituent Effects on the Photoinitiating Ability in Polymerizations under Near UV, Purple, White and Blue LEDs (385, 395, 405, 455, or 470 nm). <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 1782-1790	2.6	38
282	Different NIR dye scaffolds for polymerization reactions under NIR light. <i>Polymer Chemistry</i> , 2019 , 10, 6505-6514	4.9	38
281	The carbazole-bound ferrocenium salt as a specific cationic photoinitiator upon near-UV and visible LEDs (365/405 nm). <i>Polymer Bulletin</i> , 2016 , 73, 493-507	2.4	37
280	Conjugated Dithienophosphole Derivatives as High Performance Photoinitiators for 3D Printing Resins. <i>Macromolecules</i> , 2018 , 51, 1811-1821	5.5	37
279	Diketopyrrolopyrrole dyes: Structure/reactivity/efficiency relationship in photoinitiating systems upon visible lights. <i>Polymer</i> , 2014 , 55, 746-751	3.9	37
278	Photosensitized alkoxyamines as bicomponent radical photoinitiators. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2910-2915	2.5	37
277	Photoinduced Thermal Polymerization Reactions. <i>Macromolecules</i> , 2018 , 51, 8808-8820	5.5	37
276	Redox two-component initiated free radical and cationic polymerizations: Concepts, reactions and applications. <i>Progress in Polymer Science</i> , 2019 , 94, 33-56	29.6	36

275	Mechanosynthesis of a Copper complex for redox initiating systems with a unique near infrared light activation. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3646-3655	2.5	36
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273	Photochemical, Thermal Free Radical, and Cationic Polymerizations Promoted by Charge Transfer Complexes: Simple Strategy for the Fabrication of Thick Composites. <i>Macromolecules</i> , 2018 , 51, 7872-7880	5.5	36
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