

Fernando Catalina

List of Publications by Year in descending order

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173
papers

4,191
citations

109321

35
h-index

168389

53
g-index

176
all docs

176
docs citations

176
times ranked

3506
citing authors

#	ARTICLE	IF	CITATIONS
1	Free radical macrophotoinitiators: an overview on recent advances. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 159, 103-114.	3.9	205
2	Biodegradation of photo-degraded mulching films based on polyethylenes and stearates of calcium and iron as pro-oxidant additives. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 451-459.	3.9	128
3	Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 147, 213-224.	3.9	121
4	Fluorescent Probes for Sensing Processes in Polymers. <i>Chemistry - A European Journal</i> , 2005, 11, 4314-4325.	3.3	107
5	Ageing and stabilisation of filled polymers: an overview. <i>Polymer Degradation and Stability</i> , 1998, 61, 183-199.	5.8	104
6	Ultrafast reversible phase change in GeSb films for erasable optical storage. <i>Applied Physics Letters</i> , 1992, 60, 3123-3125.	3.3	102
7	Isolation and identification of bacteria and fungi from cinematographic films. <i>International Biodeterioration and Biodegradation</i> , 2005, 56, 58-68.	3.9	90
8	Photochemical study and photoinitiation activity of macroinitiators based on thioxanthone. <i>Polymer</i> , 2002, 43, 4591-4597.	3.8	88
9	Photodegradation of polyethylenes: Comparative effect of Fe and Ca-stearates as pro-oxidant additives. <i>Polymer Degradation and Stability</i> , 2010, 95, 2057-2064.	5.8	72
10	Photophysics and photoreactivity of substituted thioxanthenes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1517-1521.	1.7	70
11	Efficient biodegradation of common ionic liquids by <i>Sphingomonas paucimobilis</i> bacterium. <i>Green Chemistry</i> , 2011, 13, 709.	9.0	66
12	Biodegradable and thermoresponsive micelles of triblock copolymers based on 2-(N,N-dimethylamino)ethyl methacrylate and ϵ -caprolactone for controlled drug delivery. <i>European Polymer Journal</i> , 2008, 44, 3853-3863.	5.4	62
13	Comparative effect of metal stearates as pro-oxidant additives on bacterial biodegradation of thermal- and photo-degraded low density polyethylene mulching films. <i>International Biodeterioration and Biodegradation</i> , 2013, 83, 25-32.	3.9	57
14	Following in situ photoinitiated polymerization of multifunctional acrylic monomers by fluorescence and photocalorimetry simultaneously. <i>Polymer</i> , 2002, 43, 5355-5361.	3.8	56
15	Hydrogel Scaffolds with Immobilized Bacteria for 3D Cultures. <i>Chemistry of Materials</i> , 2007, 19, 1968-1973.	6.7	56
16	Stabiliser interactions in the thermal and photooxidation of titanium dioxide pigmented polypropylene films. <i>Polymer Degradation and Stability</i> , 1998, 61, 139-149.	5.8	53
17	Optical properties of laser-deposited a-Ge films: a comparison with sputtered and e-beam-deposited films. <i>Applied Optics</i> , 1992, 31, 6133.	2.1	52
18	Monitoring of Curing Process and Shelf Life of the Epoxy Anhydride System with TICT Compounds by the Fluorescence Technique. <i>Macromolecules</i> , 2000, 33, 5954-5959.	4.8	52

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19	Ageing and spectroscopic properties of polyethylenes. <i>Polymer Degradation and Stability</i> , 2000, 67, 57-67.	5.8	51
20	Chemiluminescence of polyethylene: The comparative antioxidant effectiveness of phenolic stabilizers in low-density polyethylene. <i>Journal of Polymer Science Part A</i> , 2002, 40, 3312-3326.	2.3	47
21	Photochemistry and photopolymerization study on 2-acetoxy and methyl-2-acetoxy derivatives of thioxanthone as photoinitiators. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1989, 50, 249-258.	3.9	46
22	Biodegradation of cinematographic gelatin emulsion by bacteria and filamentous fungi using indirect impedance technique. <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 137-143.	3.9	46
23	Photopolymerization of methyl methacrylate initiated by thioxanthone derivatives: photoinitiation mechanism. <i>Polymer</i> , 2000, 41, 9103-9109.	3.8	45
24	In Vitro Biocompatibility and Antimicrobial Activity of Poly(ϵ -caprolactone)/Montmorillonite Nanocomposites. <i>Biomacromolecules</i> , 2012, 13, 4247-4256.	5.4	45
25	Photochemistry of carbonyl photoinitiators. Photopolymerisation, flash photolysis and spectroscopic study. <i>European Polymer Journal</i> , 1986, 22, 49-56.	5.4	44
26	Good-quality Ge films grown by excimer laser deposition. <i>Applied Surface Science</i> , 1990, 46, 249-253.	6.1	44
27	Novel water soluble copolymers based on thioxanthone: photochemistry and photoinitiation activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 169, 95-100.	3.9	42
28	Biodegradation of type-B gelatine by bacteria isolated from cinematographic films. A viscometric study. <i>Polymer Degradation and Stability</i> , 2004, 86, 283-291.	5.8	41
29	Photochemistry and photopolymerization activity of perester derivatives of benzophenone. <i>Journal of Applied Polymer Science</i> , 1991, 42, 1169-1178.	2.6	40
30	The influence of the photophysics of 2-substituted thioxanthenes on their activity as photoinitiators. <i>Polymer</i> , 2002, 43, 3909-3913.	3.8	40
31	Laser induced foaming and chemical modifications of gelatine films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 193, 187-192.	3.9	40
32	Polyurethane-acrylate based films as humidity sensors. <i>Polymer</i> , 2005, 46, 12200-12209.	3.8	39
33	Photodegradation and Biodegradation Under Thermophile Conditions of Mulching Films Based on Poly(Butylene Adipate-co-Terephthalate) and Its Blend with Poly(Lactic Acid). <i>Journal of Polymers and the Environment</i> , 2019, 27, 352-363.	5.0	39
34	Photochemistry of thioxanthenes—III. Spectroscopic and flash photolysis study on hydroxy and methoxy derivatives. <i>European Polymer Journal</i> , 1986, 22, 691-697.	5.4	37
35	A chemiluminescence study of micron and nanoparticle titanium dioxide: effect on the thermal stability of metallocene polyethylene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 151-160.	3.9	37
36	Synthesis, characterization and photopolymerization activity of a novel thioxanthone monomer and photopolymers. <i>European Polymer Journal</i> , 1987, 23, 985-987.	5.4	35

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37	Study of secondary relaxations of poly(ethylene terephthalate) by photoluminescence technique. <i>Polymer</i> , 2004, 45, 1545-1554.	3.8	35
38	Polyethylene and poly(ethylene-co-1-octadecene) composites with TiO ₂ based nanoparticles by metallocenic ϵ -sita polymerization. <i>Polymer</i> , 2013, 54, 2690-2698.	3.8	35
39	Study of the photodegradation of nanocomposites containing TiO ₂ nanoparticles dispersed in polyethylene and in poly(ethylene-co-octadecene). <i>Polymer Degradation and Stability</i> , 2014, 109, 106-114.	5.8	35
40	A Switchable fluorescence solid sensor for Hg ²⁺ detection in aqueous media based on a photocrosslinked membrane functionalized with (benzimidazolyl)methyl-piperazine derivative of 1,8-naphthalimide. <i>Sensors and Actuators B: Chemical</i> , 2018, 270, 256-262.	7.8	35
41	Photochemistry of thioxanthenes ^{IV} . Spectroscopic and flash photolysis study on novel n-propoxy and methyl, n-propoxy derivatives. <i>European Polymer Journal</i> , 1986, 22, 793-799.	5.4	34
42	Solvatochromic and rigidochromic fluorescent probes based on D ^A -A diaryl ethylene and butadiene derivatives for UV-curing monitoring. <i>Polymer</i> , 2001, 42, 2815-2825.	3.8	34
43	Thioxanthone photopolymers I: A kinetic study of methyl methacrylate polymerization using 2-benzyloxy thioxanthone, free and polymer bound, as photoinitiator. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1989, 47, 365-377.	3.9	33
44	Thermal and photooxidation of polypropylene influence of long-term ambient oxidation: spectroscopic, thermal and light scattering studies. <i>Polymer</i> , 1996, 37, 2323-2333.	3.8	32
45	Synthesis, photochemical and photoinitiation activity of water soluble copolymers with pendent benzil chromophores. <i>Polymer</i> , 1998, 39, 4399-4408.	3.8	32
46	Nanofoaming in the surface of biopolymers by femtosecond pulsed laser irradiation. <i>Applied Surface Science</i> , 2007, 254, 1179-1184.	6.1	32
47	Fast-crystallizing Sb-based thin films under pico- and nanosecond laser pulses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 173, 343-346.	5.6	31
48	Photochemistry and photopolymerization activities of novel phenylthiobenzophenone and diphenylthiophene photoinitiators. <i>Polymer</i> , 1998, 39, 903-909.	3.8	30
49	Hyperbranched polymers as clay surface modifiers for UV-cured nanocomposites with antimicrobial activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 224, 46-54.	3.9	29
50	Submicron foaming in gelatine by nanosecond and femtosecond pulsed laser irradiation. <i>Applied Surface Science</i> , 2007, 253, 6420-6424.	6.1	28
51	Photochemistry of thioxanthenes ^{II} . <i>European Polymer Journal</i> , 1986, 22, 347-350.	5.4	27
52	Photochemistry of thioxanthenes ^V . A polymerization, spectroscopic and flash photolysis study on novel water soluble methyl substituted 3-(9-oxo-9H-thioxanthene-2-yloxy)N,N,N-trimethyl-1-propanaminium salts. <i>European Polymer Journal</i> , 1986, 22, 871-875.	5.4	27
53	Photodegradation and biodegradation by bacteria of mulching films based on ethylene vinyl acetate copolymer: Effect of prooxidant additives. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1664-1675.	2.6	27
54	Study of the effect of the incorporation of TiO ₂ nanotubes on the mechanical and photodegradation properties of polyethylenes. <i>Composites Part B: Engineering</i> , 2017, 112, 66-73.	12.0	27

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55	Photochemistry and photopolymerization activity of novel 4-alkylamino benzophenone initiators-synthesis, characterization, spectroscopic and photopolymerization activity. <i>European Polymer Journal</i> , 1990, 26, 1345-1353.	5.4	26
56	Photochemistry and photocuring activity of novel 1-Halogeno-4-propoxythioxanthenes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1994, 90, 83.	1.7	26
57	A viscometric study of the biodegradation of photographic gelatin by fungi isolated from cinematographic films. <i>International Biodeterioration and Biodegradation</i> , 2006, 58, 142-149.	3.9	26
58	Chemiluminescence study of commercial type-B gelatines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 537-546.	3.9	25
59	A chemiluminescence study on degradation of gelatine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 185, 188-197.	3.9	25
60	Using linear and branched polysilanes for the photoinitiated polymerization of a commercial silicone-acrylate resin.. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 141, 85-91.	3.9	24
61	Synthesis, photochemical and photoinitiation activity of water-soluble copolymers with anthraquinone chromophores as side-chain groups. <i>Polymer</i> , 2001, 42, 1825-1832.	3.8	24
62	UV, visible and IR laser interaction with gelatine. <i>Journal of Physics: Conference Series</i> , 2007, 59, 571-574.	0.4	24
63	Photochemistry and photoinitiator properties of 2-substituted anthraquinones: 2. Photopolymerization and flash photolysis. <i>Polymer</i> , 1995, 36, 4665-4674.	3.8	23
64	Fluorescent Probes for Monitoring the UV Curing of Acrylic Adhesives, 1. FTIR and Fluorescence in Real Time. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1924-1934.	2.2	23
65	Chemiluminescence and fluorescence for monitoring the photooxidation of an UV-cured aliphatic polyurethane-acrylate based adhesive. <i>Polymer Degradation and Stability</i> , 2002, 77, 523-529.	5.8	23
66	Biodegradation of cinematographic cellulose triacetate by <i>Sphingomonas paucimobilis</i> using indirect impedance and chemiluminescence techniques. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 759-764.	3.9	23
67	Photochemistry of novel water-soluble parasubstituted benzophenone photoinitiators: A photocalorimetric and photoreduction study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988, 44, 171-177.	3.9	22
68	Photochemistry of novel water-soluble para-substituted benzophenone photoinitiators: A polymerization, spectroscopic and flash photolysis study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988, 44, 349-360.	3.9	21
69	Enzyme-induced graft polymerization for preparation of hydrogels: synergetic effect of laccase-immobilized-cryogels for pollutants adsorption. <i>Soft Matter</i> , 2010, 6, 3533.	2.7	21
70	Photochemistry and photoinitiation activity of radical polymerization of 2-substituted anthraquinone derivatives. III. Nanosecond laser flash photolysis study. <i>Journal of Applied Polymer Science</i> , 1996, 62, 319-340.	2.6	20
71	Bioremediation of naphthalene in water by <i>Sphingomonas paucimobilis</i> using new biodegradable surfactants based on poly (ϵ -caprolactone). <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 217-223.	3.9	19
72	New blends of ethylene-butyl acrylate copolymers with thermoplastic starch. Characterization and bacterial biodegradation. <i>Carbohydrate Polymers</i> , 2016, 149, 68-76.	10.2	19

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73	Photochemistry of thioxanthenes VI: A polymerization, spectroscopic and flash photolysis study on novel water-soluble substituted 3-(9-oxo-9H-thioxanthene-2,3-diyl-4-yloxy)-N,N,N-trimethyl-1-propanaminium salts. <i>Journal of Photochemistry and Photobiology</i> , 1987, 36, 99-112.	0.6	18
74	Fluorescent Sensor as Physical Amplifier of Chemiluminescence: Application to the Study of Poly(ethylene terephthalate). <i>Macromolecules</i> , 2004, 37, 6596-6605.	4.8	18
75	Novel dialkylaminoalkyl- and dialkylaminoalcoxy-benzophenones as polymerization photoinitiators. II. Photocalorimetric study on photoinitiated polymerization of butyl and lauryl acrylates. <i>Journal of Polymer Science Part A</i> , 1992, 30, 829-834.	2.3	17
76	Laser ablation of Ge in an oxygen environment: plasma and film properties. <i>Applied Surface Science</i> , 1992, 54, 175-179.	6.1	17
77	Photochemistry and photoinitiator properties of 2-substituted anthraquinones 1. Absorption and luminescence characteristics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995, 91, 73-79.	3.9	17
78	Photochemistry and photoinitiator properties of novel 1-chloro-substituted thioxanthenes. III: Preliminary study of the photoacid generation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 111, 229-232.	3.9	17
79	New Fluorescent Probes for Monitoring Polymerization Reactions: Photocuring of Acrylic Adhesives, 2. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 336-345.	2.2	17
80	Photochemical crosslinking of poly-(ethylene-butyl-acrylate) copolymers functionalized with anthracene moieties by reactive extrusion. <i>European Polymer Journal</i> , 2014, 56, 69-76.	5.4	17
81	Spectroscopic properties and photopolymerisation activity of 4-n-propoxythioxanthone. <i>European Polymer Journal</i> , 1988, 24, 435-440.	5.4	16
82	Photochemistry and photopolymerization activity of novel perester derivatives of fluorenone. <i>European Polymer Journal</i> , 1989, 25, 1219-1225.	5.4	15
83	4-N,N-Dimethylamino-4'-Isopropylbenzophenone as polymerization photoinitiator. Effect of solvent and photoinitiator concentration on its photoreactivity and on the polymerization process. <i>Journal of Polymer Science Part A</i> , 1990, 28, 1445-1454.	2.3	15
84	Multifractal patterns formed by laser irradiation in GeAl thin multilayer films. <i>Physical Review B</i> , 1992, 46, 487-490.	3.2	15
85	MMA photopolymerization initiated by thionine/triethylamine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 127, 147-152.	3.9	15
86	Free radical photopolymerization initiated by polysilanes. Scrutiny of the initiation efficiency. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1156-1160.	2.2	15
87	New fluorescent probes for monitoring the polymerization reaction: p-vinyliden derivatives of N,N-dimethylaminoaryl compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 153, 135-143.	3.9	15
88	Benzo[d]-1,2-oxaphospholes as Precursors of Stabilized C-Centered Radicals. <i>Organic Letters</i> , 2004, 6, 561-564.	4.6	15
89	Fluorescent imidazolium-based poly(ionic liquid)s for Fe ³⁺ detection in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 406, 113015.	3.9	15
90	Quantitative evaluation of polymeric photosensitizers. <i>Polymer Bulletin</i> , 1982, 8, 369.	3.3	14

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91	Mechanism of photostabilization of polystyrene film by dihydroxyphenyl-pirazoles. <i>Journal of Polymer Science Part A</i> , 1990, 28, 3661-3668.	2.3	14
92	Novel dialkylaminoalkyl- and dialkylaminoalcoxi-benzophenones as photoinitiators of polymerization. I. Photochemical characteristics and radical efficiencies. <i>Journal of Polymer Science Part A</i> , 1991, 29, 1955-1961.	2.3	14
93	Photocalorimetric study on the photoinitiation activity of water soluble copolymers with pendent benzil moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 131, 141-146.	3.9	14
94	Fluorescence monitoring of photoinitiated polymerization reactions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 180, 118-129.	3.9	14
95	Study on the photodegradation of nanocomposites based on polypropylene and TiO ₂ nanotubes. <i>Polymer Degradation and Stability</i> , 2016, 133, 101-107.	5.8	14
96	Radical copolymerization of 2-acryloyl thioxanthone with methyl methacrylate. <i>Journal of Polymer Science Part A</i> , 1990, 28, 967-972.	2.3	13
97	Photochemistry and photoinitiation activity of novel I-substituted water soluble derivatives of 4-(2-hydroxy-3-N,N,N-trimethylammoniumpropoxy)thioxanthone chloride salt. <i>European Polymer Journal</i> , 1993, 29, 125-130.	5.4	13
98	Photochemistry and photoinitiator properties of novel 1-chloro-substituted thioxanthenes Part I: Influence of 4-acyloxy substitution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 103, 185-189.	3.9	13
99	Ultraviolet curing of acrylic systems: Real-time Fourier transform infrared, mechanical, and fluorescence studies. <i>Journal of Polymer Science Part A</i> , 2002, 40, 4236-4244.	2.3	13
100	Chemiluminescence from poly(styrene-b-ethylene-co-butylene-b-styrene) (SEBS) block copolymers. <i>Polymer Degradation and Stability</i> , 2006, 91, 862-874.	5.8	13
101	The relation between the polymerization rates and swelling coefficients for copolymers obtained by photoinitiation. <i>Polymer Testing</i> , 2007, 26, 189-194.	4.8	13
102	Characterization of cinematographic films by Laser Induced Breakdown Spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1612-1617.	2.9	13
103	Hierarchically organized micellization of thermoresponsive rod-coil copolymers based on poly[oligo(ethylene glycol) methacrylate] and poly(ϵ -caprolactone). <i>Journal of Polymer Science Part A</i> , 2010, 48, 4909-4921.	2.3	13
104	Photoreversible crosslinking of poly-(ethylene-butyl-acrylate) copolymers functionalized with coumarin chromophores using microwave methodology. <i>Reactive and Functional Polymers</i> , 2014, 85, 28-35.	4.1	13
105	Electrical resistivity and structural changes in amorphous Ge _{1-x} Al _x thin films under thermal annealing. <i>Thin Solid Films</i> , 1988, 167, 57-66.	1.8	12
106	Photochemistry of 2-acetoxy and 2-acyloxythioxanthone and copolymers with methylmethacrylate: A conventional and laser flash photolysis study. <i>European Polymer Journal</i> , 1990, 26, 1237-1244.	5.4	12
107	Synthesis of Amphiphilic Random Copolymers and Fluorescence Study of Their Association Behavior in Water. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 2293-2299.	2.2	12
108	Chemiluminescence processes in thermal and photochemically oxidised poly(ethylene-co-1,4-cyclohexanedimethylene terephthalate) (PECT): influence of stabilisers. <i>Polymer Degradation and Stability</i> , 2002, 75, 237-246.	5.8	12

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109	Surface modification of poly(ethylene-butyl acrylate) copolymers by microwave methodology and functionalization with 4-dimethylamino- N -(2-hydroxyethyl)-1,8-naphthalimide for acidity sensing. <i>Reactive and Functional Polymers</i> , 2016, 107, 78-86.	4.1	12
110	Spectroscopic and photoreduction study of 2-acryloxy thioxanthone: photoinitiation activity of methyl methacrylate polymerization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 67, 255-263.	3.9	11
111	Grain boundary triggering of diffusion in laser melted Sb—Ge bilayer films and surface ripples. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1992, 14, 37-41.	3.5	11
112	Photoinitiator properties of 2-substituted amido and acryloxyanthraquinones. <i>European Polymer Journal</i> , 1995, 31, 15-21.	5.4	11
113	Photophysical properties and photoinduced polymerisation activity of novel 1-chloro-4-oxy/acyloxythioxanthone initiators. <i>Polymer</i> , 1999, 40, 4181-4193.	3.8	11
114	Time-resolved optical measurements of laser melting and rapid solidification on GeAl films. <i>Applied Surface Science</i> , 1989, 43, 171-177.	6.1	10
115	Photochemistry and photopolymerization activity of a novel 3,4-dimethyl-2(3-N,N-dimethylaminopropoxy)thioxanthone initiator. <i>European Polymer Journal</i> , 1992, 28, 647-650.	5.4	10
116	Polymeric photoinitiators based on thioxanthone: Photochemistry and free radical photoinitiation study by photodilatometry of the polymerization of methyl methacrylate. <i>European Polymer Journal</i> , 1992, 28, 1533-1537.	5.4	10
117	Photochemistry and photoinitiator properties of 4-substituted amidobenzophenones and imidobenzophenones. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 99, 191-196.	3.9	10
118	Photostabilization study of ethylene-butyl acrylate copolymers functionalized in the molten state with hindered amine light stabilizers (HALS). <i>Polymer Degradation and Stability</i> , 2013, 98, 2146-2152.	5.8	10
119	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1987, 188, 1703-1711.	1.1	9
120	Metastable phase formation with dendrite growth during laser-induced rapid solidification of Al59Ge41 sputtered thin films. <i>Journal of the Less Common Metals</i> , 1988, 145, 209-216.	0.8	9
121	Spectroscopic properties and photopolymerization activities of water soluble 1-substituted derivatives of 2-hydroxy-3-(9-oxo-9H-thioxanthene-4-yloxy)-N,N,N-trimethyl-1-propanaminium chloride salt. <i>Polymer</i> , 1993, 34, 21-24.	3.8	9
122	Effects of ozone in surface modification and thermal stability of SEBS block copolymers. <i>Polymer Degradation and Stability</i> , 2010, 95, 975-986.	5.8	9
123	Surface modification of poly(ϵ -caprolactone) by oxygen plasma for antibacterial applications. Biocompatibility and monitoring of live cells. <i>European Polymer Journal</i> , 2017, 94, 405-416.	5.4	9
124	Specific Power Absorption of Silica-coated Magnetite Cubes. <i>Current Nanoscience</i> , 2014, 10, 676-683.	1.2	9
125	Photopolymerisation and flash photolysis of a water soluble benzophenone photoinitiator: Influence of tertiary amine. <i>European Polymer Journal</i> , 1988, 24, 591-593.	5.4	8
126	Kinetics of amorphous phase formation and its isothermal crystallization in laser-quenched GeAl thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1990, 7, 169-175.	3.5	8

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127	Synthesis and spectroscopic properties of novel cinnamate derivatives of benzophenone: Photocuring activity versus photodimerization. <i>European Polymer Journal</i> , 1993, 29, 533-538.	5.4	8
128	Photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxanthraquinone with methyl methacrylate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 109, 71-75.	3.9	8
129	Fluorescent probes for monitoring the pulsed-laser-induced photocuring of poly(urethane) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387 Td (2.3	8
130	Self-assembly of physically crosslinked micelles of poly(2-acrylamido-2-methyl-1-propane sulphonic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (5.4	8
131	Solid fluorescence sensors obtained by functionalization of photocrosslinked water-swollen acrylic membranes with 4-piperazine naphthalimide derivatives. <i>Polymer</i> , 2017, 124, 139-150.	3.8	8
132	Metastable phase formation in laser-processed Al-Ge sputtered thin films. <i>Journal of Materials Science</i> , 1987, 22, 2346-2350.	3.7	7
133	The influence of the substrate on the transformations induced in Si by nanosecond laser irradiation: a time-resolved study. <i>Applied Surface Science</i> , 1990, 46, 383-387.	6.1	7
134	Microstructures induced in germanium-rich GeAl films by laser-induced melting and rapid solidification. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1990, 5, 417-422.	3.5	7
135	Excited state properties of 2-acrylated anthraquinones. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993, 71, 109-113.	3.9	7
136	Determination of the Stern-Volmer constant in benzene solution of the poly(vinyl phenyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (techniques. <i>Polymer Degradation and Stability</i> , 1984, 4, 361-372.	0.5	6
137	Diffusion and microstructures induced by excimer laser irradiation in Ge-Sb thin film bilayers. <i>Applied Surface Science</i> , 1990, 46, 405-410.	6.1	6
138	Laser induced interface reactions in Sb/Ge multilayer thin films: a study by RBS and CS-TEM. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992, 64, 807-810.	1.4	6
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