

# 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  
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176  
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176  
docs citations

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times ranked

3506  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid Fluorescence pH Sensors Based on 1,8-Naphthalimide Copolymers Synthesized by UV Curing. <i>Chemosensors</i> , 2022, 10, 73.	3.6	3
2	Fluorescent imidazolium-based poly(ionic liquid)s for Fe <sup>3+</sup> detection in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 406, 113015.	3.9	15
3	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
4	Photochemistry and photopolymerisation of substituted 2-methylantraquinones and novel 2-acryloxymethylantraquinone in radiation curing. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 530-544.	3.9	1
5	A Switchable fluorescence solid sensor for Hg <sup>2+</sup> 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
6	Study of the effect of the incorporation of TiO <sub>2</sub> nanotubes on the mechanical and photodegradation properties of polyethylenes. <i>Composites Part B: Engineering</i> , 2017, 112, 66-73.	12.0	27
7	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
8	Surface modification of poly( $\epsilon$ -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
9	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
10	Study on the photodegradation of nanocomposites based on polypropylene and TiO <sub>2</sub> nanotubes. <i>Polymer Degradation and Stability</i> , 2016, 133, 101-107.	5.8	14
11	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
12	Chemiluminescence studies on comparison of antioxidant effectiveness on multiextruded polyethylenes. <i>Polymer Degradation and Stability</i> , 2015, 113, 32-39.	5.8	6
13	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
14	Study of the photodegradation of nanocomposites containing TiO <sub>2</sub> nanoparticles dispersed in polyethylene and in poly(ethylene-co-octadecene). <i>Polymer Degradation and Stability</i> , 2014, 109, 106-114.	5.8	35
15	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
16	Specific Power Absorption of Silica-coated Magnetite Cubes. <i>Current Nanoscience</i> , 2014, 10, 676-683.	1.2	9
17	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
18	Photodegradation of tetramethylpolycarbonate (TMPC): Correlation of properties with chemical modifications. <i>Polymer Degradation and Stability</i> , 2013, 98, 2081-2088.	5.8	6

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19	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
20	Polyethylene and poly(ethylene-co-1-octadecene) composites with TiO <sub>2</sub> based nanoparticles by metallocenic $\epsilon$ -polymerization. <i>Polymer</i> , 2013, 54, 2690-2698.	3.8	35
21	Hyperbranched Polymers as Clay Surface Modifications for Nanocomposites. , 2013, , 147-163.		2
22	Combinatorial Approach for Fabrication of Coatings to Control Bacterial Adhesion. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1613-1628.	3.5	6
23	In Vitro Biocompatibility and Antimicrobial Activity of Poly( $\epsilon$ -caprolactone)/Montmorillonite Nanocomposites. <i>Biomacromolecules</i> , 2012, 13, 4247-4256.	5.4	45
24	Effects of polymerization catalyst technology on the melt processing stability of polyethylenes. part 2. single stabilizer performance. <i>Journal of Vinyl and Additive Technology</i> , 2012, 18, 26-39.	3.4	6
25	Photodegradation and biodegradation by bacteria of mulching films based on ethylene-vinyl acetate copolymer: Effect of pro-oxidant additives. <i>Journal of Applied Polymer Science</i> , 2012, 126, 1664-1675.	2.6	27
26	Efficient biodegradation of common ionic liquids by <i>Sphingomonas paucimobilis</i> bacterium. <i>Green Chemistry</i> , 2011, 13, 709.	9.0	66
27	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
28	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
29	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
30	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
31	Hierarchically organized micellization of thermoresponsive rod-coil copolymers based on poly[oligo(ethylene glycol) methacrylate] and poly( $\epsilon$ -caprolactone). <i>Journal of Polymer Science Part A</i> , 2010, 48, 4909-4921.	2.3	13
32	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
33	A chemiluminescence study on thermal and photostability of ethylene/olefin copolymers synthesized with rac-Et(Ind) <sub>2</sub> ZrCl <sub>2</sub> /MAO catalyst system. <i>European Polymer Journal</i> , 2009, 45, 2708-2716.	5.4	5
34	Bioremediation of naphthalene in water by <i>Sphingomonas paucimobilis</i> using new biodegradable surfactants based on poly( $\epsilon$ -caprolactone). <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 217-223.	3.9	19
35	Biodeterioration 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
36	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

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37	Self-assembly of physically crosslinked micelles of poly(2-acrylamido-2-methyl-1-propane sulphonic) Tj ETQq1 1 0.784314 rgBJ /Overlo	5.4	62
38	Biodegradable and thermoresponsive micelles of triblock copolymers based on 2-(N,N-dimethylamino)ethyl methacrylate and $\mu$ -caprolactone for controlled drug delivery. European Polymer Journal, 2008, 44, 3853-3863.	5.4	62
39	UV, visible and IR laser interaction with gelatine. Journal of Physics: Conference Series, 2007, 59, 571-574.	0.4	24
40	Hydrogel Scaffolds with Immobilized Bacteria for 3D Cultures. Chemistry of Materials, 2007, 19, 1968-1973.	6.7	56
41	Synthesis and association properties in water solution of random copolymers of 2-acrylamido-2-methyl-1-propane sulfonic acid and isodecyl methacrylate" potential application as surfactants in micellar-enhanced ultrafiltration processes. Journal of Applied Polymer Science, 2007, 106, 1982-1991.	2.6	6
42	Nanofoaming in the surface of biopolymers by femtosecond pulsed laser irradiation. Applied Surface Science, 2007, 254, 1179-1184.	6.1	32
43	Biodegradation of cinematographic gelatin emulsion by bacteria and filamentous fungi using indirect impedance technique. International Biodeterioration and Biodegradation, 2007, 60, 137-143.	3.9	46
44	The relation between the polymerization rates and swelling coefficients for copolymers obtained by photoinitiation. Polymer Testing, 2007, 26, 189-194.	4.8	13
45	A chemiluminescence study on degradation of gelatine. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 188-197.	3.9	25
46	Submicron foaming in gelatine by nanosecond and femtosecond pulsed laser irradiation. Applied Surface Science, 2007, 253, 6420-6424.	6.1	28
47	Characterization of cinematographic films by Laser Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1612-1617.	2.9	13
48	Submicro foaming in biopolymers by UV pulsed laser irradiation. , 2006, 6261, 404.		4
49	A viscometric study of the biodegradation of photographic gelatin by fungi isolated from cinematographic films. International Biodeterioration and Biodegradation, 2006, 58, 142-149.	3.9	26
50	Chemiluminescence from poly(styrene-b-ethylene-co-butylene-b-styrene) (SEBS) block copolymers. Polymer Degradation and Stability, 2006, 91, 862-874.	5.8	13
51	Fluorescence monitoring of photoinitiated polymerization reactions. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 180, 118-129.	3.9	14
52	Novel water soluble copolymers based on thioxanthone: photochemistry and photoinitiation activity. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 169, 95-100.	3.9	42
53	Isolation and identification of bacteria and fungi from cinematographic films. International Biodeterioration and Biodegradation, 2005, 56, 58-68.	3.9	90
54	Fluorescent Probes for Sensing Processes in Polymers. Chemistry - A European Journal, 2005, 11, 4314-4325.	3.3	107

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55	Polyurethane-acrylate based films as humidity sensors. <i>Polymer</i> , 2005, 46, 12200-12209.	3.8	39
56	Fluorescent probes for monitoring the pulsed-laser-induced photocuring of poly(urethane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td	2.3	8
57	Chemiluminescence study of commercial type-B gelatines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 537-546.	3.9	25
58	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
59	Study of secondary relaxations of poly(ethylene terephthalate) by photoluminescence technique. <i>Polymer</i> , 2004, 45, 1545-1554.	3.8	35
60	Benzo[d]-1,2-oxaphospholes as Precursors of Stabilized C-Centered Radicals. <i>Organic Letters</i> , 2004, 6, 2639-2639.	4.6	0
61	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
62	Benzo[d]-1,2-oxaphospholes as Precursors of Stabilized C-Centered Radicals. <i>Organic Letters</i> , 2004, 6, 561-564.	4.6	15
63	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
64	Free radical macrophotoinitiators: an overview on recent advances. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 159, 103-114.	3.9	205
65	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
66	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
67	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
68	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
69	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
70	The influence of the photophysics of 2-substituted thioxanthenes on their activity as photoinitiators. <i>Polymer</i> , 2002, 43, 3909-3913.	3.8	40
71	Photochemical study and photoinitiation activity of macroinitiators based on thioxanthone. <i>Polymer</i> , 2002, 43, 4591-4597.	3.8	88
72	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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73	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
74	Following in situ photoinitiated polymerization of multifunctional acrylic monomers by fluorescence and photocalorimetry simultaneously. <i>Polymer</i> , 2002, 43, 5355-5361.	3.8	56
75	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
76	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
77	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
78	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
79	Solvatochromic and rigidochromic fluorescent probes based on Dâ€“A diaryl ethylene and butadiene derivatives for UV-curing monitoring. <i>Polymer</i> , 2001, 42, 2815-2825.	3.8	34
80	Free radical photopolymerization initiated by polysilanes. Scrutiny of the initiation efficiency. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1156-1160.	2.2	15
81	Ageing and spectroscopic properties of polyethylenes. <i>Polymer Degradation and Stability</i> , 2000, 67, 57-67.	5.8	51
82	Photopolymerization of methyl methacrylate initiated by thioxanthone derivatives: photoinitiation mechanism. <i>Polymer</i> , 2000, 41, 9103-9109.	3.8	45
83	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
84	Photochemistry and photo-induced co-synergistic polymerisation activities of novel N,N-dimethylaminobenzoates and benzamides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 137, 169-176.	3.9	5
85	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
86	Photophysical properties and photoinduced polymerisation activity of novel 1-chloro-4-oxy/acyloxythioxanthone initiators. <i>Polymer</i> , 1999, 40, 4181-4193.	3.8	11
87	MMA photopolymerization initiated by thionine/triethylamine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 127, 147-152.	3.9	15
88	A theoretical study of the addition of silyl radicals to olefinic monomers. <i>Macromolecular Theory and Simulations</i> , 1999, 8, 93-101.	1.4	3
89	RATE CONSTANTS OF THE REACTION OF SILYL MACRORADICALS GENERATED BY CHAIN CLEAVAGE OF POLY(DIHEXYL SILYLENE) WITH OLEFINIC MONOMERS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999, 36, 605-619.	2.2	5
90	Ageing and stabilisation of filled polymers: an overview. <i>Polymer Degradation and Stability</i> , 1998, 61, 183-199.	5.8	104

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91	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
92	Photochemistry and photopolymerization activities of novel phenylthiobenzophenone and diphenylthiophene photoinitiators. <i>Polymer</i> , 1998, 39, 903-909.	3.8	30
93	Synthesis, photochemical and photoinitiation activity of water soluble copolymers with pendent benzil chromophores. <i>Polymer</i> , 1998, 39, 4399-4408.	3.8	32
94	Photophysics and photoreactivity of substituted thioxanthenes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1517-1521.	1.7	70
95	Photochemistry and photoinitiator properties of novel 1-chloro-substituted thioxanthenes II. Influence of 4-oxy and 1-phenylthio substitution. <i>European Polymer Journal</i> , 1997, 33, 1639-1643.	5.4	4
96	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
97	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
98	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
99	Radical Copolymerization of 2-(3- $\beta$ -Acryloxy)propoxythioxanthone and 1-Methyl-4-(3- $\beta$ -acryloxy)propoxythioxanthone with Methyl Methacrylate. <i>Polymer International</i> , 1997, 42, 397-403.	3.1	6
100	Epitaxial effects on film growth and interdiffusion at Bi-Sb interfaces. <i>Thin Solid Films</i> , 1996, 274, 76-81.	1.8	3
101	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
102	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
103	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
104	Photoinitiator properties of 2-substituted amido and acryloxanthraquinones. <i>European Polymer Journal</i> , 1995, 31, 15-21.	5.4	11
105	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
106	Photochemistry and photoinitiator properties of 2-substituted anthraquinones: 2. Photopolymerization and flash photolysis. <i>Polymer</i> , 1995, 36, 4665-4674.	3.8	23
107	Triggering of diffusion and crystallization of amorphous germanium in contact with antimony. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1995, 71, 437-444.	0.6	5
108	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

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109	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
110	Quantitative evaluation of soluble polymeric photosensitizers with 4-nitro-1-naphthylcarbamoyl pendant groups. <i>European Polymer Journal</i> , 1993, 29, 539-543.	5.4	1
111	Photopolymerization and photochemistry of novel photoinitiators based on p-benzoylbenzophenone. <i>European Polymer Journal</i> , 1993, 29, 1473-1475.	5.4	2
112	Photochemistry and photoinitiation activity of novel l-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
113	Excited state properties of 2-acrylated anthraquinones. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993, 71, 109-113.	3.9	7
114	Synthesis and spectroscopic properties of novel cinnamate derivatives of thioxanthone: photocuring activity versus photodimerization. <i>Polymer</i> , 1993, 34, 2401-2406.	3.8	4
115	Photochemical behavior of p-dimethylaminobenzoated polystyrene as polymerization photoinitiator: Synthesis of graft copolymers. <i>Journal of Polymer Science Part A</i> , 1993, 31, 153-157.	2.3	3
116	Fast-crystallizing Sb-based thin films under pico- and nanosecond laser pulses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 173, 343-346.	5.6	31
117	Spectroscopic properties and photopolymerization activities of water soluble l-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
118	Ultrafast Reversible Phase Changes for Optical Recording. <i>Springer Series in Chemical Physics</i> , 1993, , 387-388.	0.2	0
119	Multifractal patterns formed by laser irradiation in GeAl thin multilayer films. <i>Physical Review B</i> , 1992, 46, 487-490.	3.2	15
120	Ultrafast reversible phase change in GeSb films for erasable optical storage. <i>Applied Physics Letters</i> , 1992, 60, 3123-3125.	3.3	102
121	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
122	Optical contrast by laser-induced phase changes: Real time optical measurement of fast transformation times. <i>Applied Physics A: Solids and Surfaces</i> , 1992, 54, 279-283.	1.4	4
123	Interdiffusion at Sb/Ge interfaces induced in thin multilayer films by nanosecond laser irradiation. <i>Applied Physics A: Solids and Surfaces</i> , 1992, 54, 538-542.	1.4	4
124	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
125	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
126	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



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127	Laser ablation of Ge in an oxygen environment: plasma and film properties. Applied Surface Science, 1992, 54, 175-179.	6.1	17
128	Laser induced interface reactions in Sb/Ge multilayer thin films: a study by RBS and CS-TEM. Nuclear Instruments & Methods in Physics Research B, 1992, 64, 807-810.	1.4	6
129	Photochemistry and photopolymerization activity of a novel 3,4-dimethyl-2(3-N,N-dimethylaminopropoxy)thioxanthone initiator. European Polymer Journal, 1992, 28, 647-650.	5.4	10
130	Polymeric photoinitiators based on thioxanthone: Photochemistry and free radical photoinitiation study by photodilatometry of the polymerization of methyl methacrylate. European Polymer Journal, 1992, 28, 1533-1537.	5.4	10
131	Synthesis of novel 2-(3- $\epsilon^2$ -dialkylaminopropoxy)-thioxanthone derivatives. photochemistry and evaluation as photoinitiators of butyl acrylate polymerization. European Polymer Journal, 1992, 28, 1315-1320.	5.4	5
132	Kinetics of laser induced interface reactions in Sb/Ge thin multilayer films. Surface Science, 1991, 251-252, 1006-1011.	1.9	5
133	Synthesis, photopolymerization and photochemistry of novel polysiloxane photoinitiators. Journal of Photochemistry and Photobiology A: Chemistry, 1991, 62, 125-139.	3.9	4
134	Photochemistry and photopolymerization activity of perester derivatives of benzophenone. Journal of Applied Polymer Science, 1991, 42, 1169-1178.	2.6	40
135	Novel dialkylaminoalkyl- and dialkylaminoalcoxi-benzophenones as photoinitiators of polymerization. I. Photochemical characteristics and radical efficiencies. Journal of Polymer Science Part A, 1991, 29, 1955-1961.	2.3	14
136	Radical copolymerization of 2-acryloyl thioxanthone with methyl methacrylate. Journal of Polymer Science Part A, 1990, 28, 967-972.	2.3	13
137	4-N,N-Dimethylamino-4'-Isopropylbenzophenone as polymerization photoinitiator. Effect of solvent and photoinitiator concentration on its photoreactivity and on the polymerization process. Journal of Polymer Science Part A, 1990, 28, 1445-1454.	2.3	15
138	Synthesis of soluble polymeric photosensitizers with the 4-nitro-1-naphthyl-carbamoyl as pendant group. Journal of Polymer Science Part A, 1990, 28, 3499-3511.	2.3	4
139	Mechanism of photostabilization of polystyrene film by dihydroxyphenyl-pirazoles. Journal of Polymer Science Part A, 1990, 28, 3661-3668.	2.3	14
140	Photochemistry of 2-acetoxy and 2-acryloxythioxanthone and copolymers with methylmethacrylate: A conventional and laser flash photolysis study. European Polymer Journal, 1990, 26, 1237-1244.	5.4	12
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