

Claudia I Vallo

List of Publications by Year in descending order

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45
papers

1,089
citations

430442

18
h-index

454577

30
g-index

45
all docs

45
docs citations

45
times ranked

1184
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymethylmethacrylate-based bone cement modified with hydroxyapatite. , 1999, 48, 150-158.		121
2	Effect of Chemical Treatment on the Mechanical Properties of Starch-Based Blends Reinforced with Sisal Fibre. Journal of Composite Materials, 2004, 38, 1387-1399.	1.2	99
3	Photobleaching of camphorquinone during polymerization of dimethacrylate-based resins. Dental Materials, 2009, 25, 1603-1611.	1.6	72
4	Effect of different photoinitiator systems on conversion profiles of a model unfilled light-cured resin. Dental Materials, 2007, 23, 1313-1321.	1.6	69
5	Efficiency of 2,2-dimethoxy-1,2-phenylacetophenone for the photopolymerization of methacrylate monomers in thick sections. Journal of Applied Polymer Science, 2012, 123, 418-425.	1.3	48
6	Influence of filler content on static properties of glass-reinforced bone cement. Journal of Biomedical Materials Research Part B, 2000, 53, 717-727.	3.0	44
7	Visible light polymerization of epoxy monomers using an iodonium salt with camphorquinone/ethyl-4-dimethyl aminobenzoate. Polymer International, 2013, 62, 1368-1376.	1.6	44
8	Influence of thermal expansion on shrinkage during photopolymerization of dental resins based on bis-GMA/TEGDMA. Dental Materials, 2009, 25, 103-114.	1.6	41
9	Theoretical prediction and experimental determination of the effect of mold characteristics on temperature and monomer conversion fraction profiles during polymerization of a PMMA-based bone cement. Journal of Biomedical Materials Research Part B, 2002, 63, 627-642.	3.0	39
10	Photoinitiation rate profiles during polymerization of a dimethacrylate-based resin photoinitiated with camphorquinone/amine. Influence of initiator photobleaching rate. European Polymer Journal, 2009, 45, 515-522.	2.6	36
11	Residual monomer content in bone cements based on poly(methyl methacrylate). Polymer International, 2000, 49, 831-838.	1.6	34
12	Photopolymerization of N,N-dimethylaminobenzyl alcohol as amine co-initiator for light-cured dental resins. Dental Materials, 2008, 24, 686-693.	1.6	33
13	Effect of the preparation method on the structure of linseed oil-filled poly(urea-formaldehyde) microcapsules. Progress in Organic Coatings, 2016, 97, 194-202.	1.9	33
14	Mechanical and Fracture Behaviour Evaluation of Commercial Acrylic Bone Cements. Polymer International, 1997, 43, 260-268.	1.6	29
15	Influence of load type on flexural strength of a bone cement based on PMMA. Polymer Testing, 2002, 21, 793-800.	2.3	28
16	Preparation and characterization of light-cured methacrylate/montmorillonite nanocomposites. Polymer International, 2011, 60, 247-254.	1.6	21
17	Polymerization shrinkage of a dental resin composite determined by a fiber optic Fizeau interferometer. Optics Communications, 2007, 271, 581-586.	1.0	20
18	Estimation of Weibull parameters for the flexural strength of PMMA-based bone cements. Polymer Engineering and Science, 2002, 42, 1260-1273.	1.5	19

#	ARTICLE	IF	CITATIONS
19	Monomer conversion in a light-cured dental resin containing 1-phenyl-1,2-propanedione photosensitizer. <i>Polymer International</i> , 2007, 56, 1099-1105.	1.6	19
20	Influence of the emulsifying system to obtain linseed oil-filled microcapsules with a robust poly (melamine-formaldehyde)-based shell. <i>Progress in Organic Coatings</i> , 2019, 129, 236-246.	1.9	19
21	Flexural strength distribution of a PMMA-based bone cement. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 63, 226-236.	3.0	18
22	Properties of acrylic bone cements formulated with Bis-GMA. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2005, 74B, 676-685.	1.6	15
23	Synthesis of silsesquioxanes based in (3-methacryloxypropyl)-trimethoxysilane using methacrylate monomers as reactive solvents. <i>European Polymer Journal</i> , 2010, 46, 1815-1823.	2.6	15
24	Photopolymerization of pyrrole/methacrylate mixtures using $\hat{I}\pm$ -cleavage type photoinitiators in combination with iodonium salt. <i>Synthetic Metals</i> , 2015, 209, 304-312.	2.1	15
25	Photopolymerization Kinetics and Dynamic Mechanical Properties of Silanes Hydrolyzed without Evolution of Byproducts. <i>Tetrakis[(methacryloyloxy)ethoxy]silane~Diethylene Glycol Dimethacrylate</i> . <i>Macromolecules</i> , 2011, 44, 1792-1800.	2.2	14
26	Monitoring of visible light photopolymerization of an epoxy/dimethacrylate hybrid system by Raman and near-infrared spectroscopies. <i>Polymer Testing</i> , 2013, 32, 1283-1289.	2.3	14
27	Statistics of free-radical polymerizations revisited using a fragment approach. 2. Polyfunctional monomers. <i>Macromolecules</i> , 1988, 21, 2571-2575.	2.2	13
28	Elastic modulus and yield stress of epoxy networks in the glassy state. <i>Polymer Gels and Networks</i> , 1993, 1, 257-266.	0.6	13
29	Enhanced degree of polymerization of methacrylate and epoxy resins by plasmonic heating of embedded silver nanoparticles. <i>Progress in Organic Coatings</i> , 2015, 88, 220-227.	1.9	13
30	Absorber materials based on polymer nanocomposites containing silver nanoparticles for solar thermal collectors. <i>Solar Energy</i> , 2018, 174, 640-647.	2.9	13
31	Light absorbing products during polymerization of methacrylate monomers photoinitiated with phenyl-1,2-propanedione/amine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 228-234.	2.0	12
32	Prepolymerized organic~inorganic hybrid nanoparticles as fillers for light-cured methacrylate monomers. <i>Journal of Materials Science</i> , 2012, 47, 2951-2959.	1.7	9
33	Characterization of light-cured dimethacrylate resins modified with silsesquioxanes. <i>Journal of Materials Science</i> , 2011, 46, 2308-2317.	1.7	8
34	Influence of pressurization on flexural strength distributions of PMMA-based bone cements. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 1077-1081.	1.7	6
35	Photopolymerization of methacrylate monomers using polyhedral silsesquioxanes bearing side-chain amines as photoinitiator. <i>European Polymer Journal</i> , 2012, 48, 309-317.	2.6	6
36	Hybrid organic~inorganic macromolecular photoinitiator system for visible-light photopolymerization. <i>Progress in Organic Coatings</i> , 2014, 77, 1848-1853.	1.9	6

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37	Synthesis of silver nanoparticles in surfactant-free light-cured methacrylate resins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 466, 115-124.	2.3	6
38	Efficiency of 4,4'-bis(<i>N,N</i> -diethylamino) benzophenone for the polymerization of dimethacrylate resins in thick sections. <i>Polymer International</i> , 2011, 60, 1362-1369.	1.6	5
39	Encapsulants for light-emitting diodes from visible light-cured epoxy monomers. <i>Polymers for Advanced Technologies</i> , 2013, 24, 430-436.	1.6	5
40	Facile preparation of silver-based nanocomposites via thiol-methacrylate "click"™ photopolymerization. <i>European Polymer Journal</i> , 2016, 79, 163-175.	2.6	5
41	Impact of radiation attenuation and temperature evolution on monomer conversion of dimethacrylate-based resins with a photobleaching photoinitiator. <i>Polymer Engineering and Science</i> , 2009, 49, 2225-2233.	1.5	4
42	Polymerization of methacrylate resins photoinitiated by camphorquinone and bulky amine-functionalized silsesquioxanes. <i>Journal of Materials Science</i> , 2012, 47, 6665-6672.	1.7	2
43	Measurement of shrinkage during photopolymerization of methacrylate resins by interferometric techniques: Local and global analyses. <i>Polymer Testing</i> , 2016, 50, 262-269.	2.3	2
44	Thermal degradation of visible-light-cured thiol-methacrylate networks photoactivated with Camphorquinone. <i>Polymer Degradation and Stability</i> , 2017, 137, 244-250.	2.7	1
45	Novel hydrogels based on a high-molar-mass water-soluble dimethacrylate monomer. <i>Polymer International</i> , 2018, 67, 606-614.	1.6	1