

Gustavo F Arenas

List of Publications by Year in descending order

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26
papers

306
citations

933447

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h-index

888059

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26
all docs

26
docs citations

26
times ranked

353
citing authors

#	ARTICLE	IF	CITATIONS
1	Photobleaching of camphorquinone during polymerization of dimethacrylate-based resins. Dental Materials, 2009, 25, 1603-1611.	3.5	72
2	Influence of thermal expansion on shrinkage during photopolymerization of dental resins based on bis-GMA/TEGDMA. Dental Materials, 2009, 25, 103-114.	3.5	41
3	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.	5.4	36
4	Polymerization shrinkage of a dental resin composite determined by a fiber optic Fizeau interferometer. Optics Communications, 2007, 271, 581-586.	2.1	20
5	Monomer conversion in a light-cured dental resin containing 1-phenyl-1,2- propanedione photosensitizer. Polymer International, 2007, 56, 1099-1105.	3.1	19
6	Photopolymerization of pyrrole/methacrylate mixtures using $\hat{I}\pm$ -cleavage type photoinitiators in combination with iodonium salt. Synthetic Metals, 2015, 209, 304-312.	3.9	15
7	Enhanced degree of polymerization of methacrylate and epoxy resins by plasmonic heating of embedded silver nanoparticles. Progress in Organic Coatings, 2015, 88, 220-227.	3.9	13
8	Controlling mobility and birefringence of azo chromophores in epoxy polymers. Polymer International, 2011, 60, 1053-1059.	3.1	11
9	A simple strategy to generate light-responsive azobenzene-containing epoxy networks. Polymer, 2013, 54, 6184-6190.	3.8	11
10	Visible-light photopolymerization of DGEBA promoted by silsesquioxanes functionalized with cycloaliphatic epoxy groups. Polymer, 2016, 83, 172-181.	3.8	11
11	Prepolymerized organic-inorganic hybrid nanoparticles as fillers for light-cured methacrylate monomers. Journal of Materials Science, 2012, 47, 2951-2959.	3.7	9
12	Light transmitting cement-based material (LTCM) as a green material for building. Journal of Applied Research in Technology & Engineering, 2020, 1, 9.	0.8	7
13	Hybrid organic-inorganic macromolecular photoinitiator system for visible-light photopolymerization. Progress in Organic Coatings, 2014, 77, 1848-1853.	3.9	6
14	PEG-based cross-linked films with aligned channels: combining cryogenic processing and photopolymerization for the design of micro-patterned oriented platforms. Molecular Systems Design and Engineering, 2019, 4, 133-143.	3.4	6
15	Encapsulants for light-emitting diodes from visible light-cured epoxy monomers. Polymers for Advanced Technologies, 2013, 24, 430-436.	3.2	5
16	Epoxy-Based Azopolymers with Enhanced Photoresponsive Properties Obtained by Cationic Homopolymerization. Macromolecular Materials and Engineering, 2017, 302, 1700311.	3.6	5
17	Contraction Measurements of Dental Composite Material during Photopolymerization by a Fiber Optic Interferometric Method.. AIP Conference Proceedings, 2008, , .	0.4	4
18	Double domain wavelength multiplexed Fizeau interferometer with high resolution dynamic sensing and absolute length detection. Optics and Lasers in Engineering, 2017, 91, 227-231.	3.8	3

#	ARTICLE	IF	CITATIONS
19	The use of glycerol as reactive solvent in the one-pot synthesis of antibacterial hybrid organic-inorganic coatings with photothermal activity. Colloid and Polymer Science, 2019, 297, 749-761.	2.1	3
20	Spectral Fizeau Interferometer spectra processing by means of a fuzzy inference system. , 2015, , .		2
21	Measurement of shrinkage during photopolymerization of methacrylate resins by interferometric techniques: Local and global analyses. Polymer Testing, 2016, 50, 262-269.	4.8	2
22	Vitrification of photo-curing resins by embedded cantilever and Fizeau interferometer. Proceedings of SPIE, 2011, , .	0.8	1
23	Measurements of the solidification process of resins from cantilever beams resonances. Optics Communications, 2013, 286, 140-145.	2.1	1
24	Analysis of temporal and spectral response of an optical fiber Fizeau interferometer applied to the study of photocurable resins. , 2015, , .		1
25	Spectral sensor resolution measurement improvements by temporal analysis. , 2017, , .		1
26	Improved spectral resolution in time-varying interferometry. Optics and Lasers in Engineering, 2018, 110, 457-461.	3.8	1