

# Gustavo F Arenas

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

306  
citations

932766

10  
h-index

887659

17  
g-index

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. <i>Dental Materials</i> , 2009, 25, 1603-1611.	1.6	72
2	Influence of thermal expansion on shrinkage during photopolymerization of dental resins based on bis-GMA/TEGDMA. <i>Dental Materials</i> , 2009, 25, 103-114.	1.6	41
3	Photoinitiation rate profiles during polymerization of a dimethacrylate-based resin photoinitiated with camphorquinone/amine. Influence of initiator photobleaching rate. <i>European Polymer Journal</i> , 2009, 45, 515-522.	2.6	36
4	Polymerization shrinkage of a dental resin composite determined by a fiber optic Fizeau interferometer. <i>Optics Communications</i> , 2007, 271, 581-586.	1.0	20
5	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
6	Photopolymerization of pyrrole/methacrylate mixtures using $\lambda\pm$ -cleavage type photoinitiators in combination with iodonium salt. <i>Synthetic Metals</i> , 2015, 209, 304-312.	2.1	15
7	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
8	Controlling mobility and birefringence of azo chromophores in epoxy polymers. <i>Polymer International</i> , 2011, 60, 1053-1059.	1.6	11
9	A simple strategy to generate light-responsive azobenzene-containing epoxy networks. <i>Polymer</i> , 2013, 54, 6184-6190.	1.8	11
10	Visible-light photopolymerization of DGEBA promoted by silsesquioxanes functionalized with cycloaliphatic epoxy groups. <i>Polymer</i> , 2016, 83, 172-181.	1.8	11
11	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
12	Light transmitting cement-based material (LTCM) as a green material for building. <i>Journal of Applied Research in Technology &amp; Engineering</i> , 2020, 1, 9.	0.4	7
13	Hybrid organic-inorganic macromolecular photoinitiator system for visible-light photopolymerization. <i>Progress in Organic Coatings</i> , 2014, 77, 1848-1853.	1.9	6
14	PEG-based cross-linked films with aligned channels: combining cryogenic processing and photopolymerization for the design of micro-patterned oriented platforms. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 133-143.	1.7	6
15	Encapsulants for light-emitting diodes from visible light-cured epoxy monomers. <i>Polymers for Advanced Technologies</i> , 2013, 24, 430-436.	1.6	5
16	Epoxy-Based Azopolymers with Enhanced Photoresponsive Properties Obtained by Cationic Homopolymerization. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700311.	1.7	5
17	Contraction Measurements of Dental Composite Material during Photopolymerization by a Fiber Optic Interferometric Method. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	4
18	Double domain wavelength multiplexed Fizeau interferometer with high resolution dynamic sensing and absolute length detection. <i>Optics and Lasers in Engineering</i> , 2017, 91, 227-231.	2.0	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.	1.0	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.	2.3	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.	1.0	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.	2.0	1