

# Isadora M Garcia

## List of Publications by Year in descending order

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63  
papers

844  
citations

471509

17  
h-index

552781

26  
g-index

63  
all docs

63  
docs citations

63  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physicochemical and biological properties of experimental dental adhesives doped with a guanidine-based polymer: an in vitro study. <i>Clinical Oral Investigations</i> , 2022, 26, 3627.	3.0	1
2	Nanoparticle-based antimicrobial for dental restorative materials. , 2022, , 661-700.		0
3	Silane content influences physicochemical properties in nanostructured model composites. <i>Dental Materials</i> , 2021, 37, e85-e93.	3.5	13
4	Titanium dioxide nanotubes with triazine-methacrylate monomer to improve physicochemical and biological properties of adhesives. <i>Dental Materials</i> , 2021, 37, 223-235.	3.5	17
5	Antibacterial response of oral microcosm biofilm to nano-zinc oxide in adhesive resin. <i>Dental Materials</i> , 2021, 37, e182-e193.	3.5	31
6	Wear Behavior and Surface Quality of Dental Bioactive Ions-Releasing Resins Under Simulated Chewing Conditions. <i>Frontiers in Oral Health</i> , 2021, 2, 628026.	3.0	8
7	Physicochemical Effects of Niobic Acid Addition Into Dental Adhesives. <i>Frontiers in Materials</i> , 2021, 7, .	2.4	3
8	Adhesive system with alpha-tricalcium phosphate addition for mineral deposition on caries-affected dentin. <i>International Journal of Adhesion and Adhesives</i> , 2021, 105, 102790.	2.9	5
9	Advancing Photodynamic Therapy for Endodontic Disinfection with Nanoparticles: Present Evidence and Upcoming Approaches. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4759.	2.5	8
10	Bifunctional Composites for Biofilms Modulation on Cervical Restorations. <i>Journal of Dental Research</i> , 2021, 100, 1063-1071.	5.2	16
11	Improper Light Curing of Bulkfill Composite Drives Surface Changes and Increases <i>S. mutans</i> Biofilm Growth as a Pathway for Higher Risk of Recurrent Caries around Restorations. <i>Dentistry Journal</i> , 2021, 9, 83.	2.3	8
12	Magnetic motion of superparamagnetic iron oxide nanoparticles- loaded dental adhesives: physicochemical/biological properties, and dentin bonding performance studied through the tooth pulpal pressure model. <i>Acta Biomaterialia</i> , 2021, 134, 337-347.	8.3	11
13	Ionic liquid-loaded microcapsules doped into dental resin infiltrants. <i>Bioactive Materials</i> , 2021, 6, 2667-2675.	15.6	13
14	Physicochemical and biological evaluation of a triazine-methacrylate monomer into a dental resin. <i>Journal of Dentistry</i> , 2021, 114, 103818.	4.1	1
15	Microshear bond strength of dual-cure resin cement in zirconia after different cleaning techniques: an <i>in vitro</i> study. <i>Journal of Advanced Prosthodontics</i> , 2021, 13, 237.	2.6	6
16	Physicochemical properties and biological effects of quaternary ammonium methacrylates in an experimental adhesive resin for bonding orthodontic brackets. <i>Journal of Applied Oral Science</i> , 2021, 29, e20201031.	1.8	2
17	The Antibacterial Effects of Resin-Based Dental Sealants: A Systematic Review of In Vitro Studies. <i>Materials</i> , 2021, 14, 413.	2.9	15
18	Errors in light-emitting diodes positioning when curing bulk fill and incremental composites: impact on properties after aging. <i>Restorative Dentistry &amp; Endodontics</i> , 2021, 46, e51.	1.5	1

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19	Metal Oxide Nanoparticles and Nanotubes: Ultrasmall Nanostructures to Engineer Antibacterial and Improved Dental Adhesives and Composites. <i>Bioengineering</i> , 2021, 8, 146.	3.5	24
20	Quaternary ammonium compound as antimicrobial agent in resin-based sealants. <i>Clinical Oral Investigations</i> , 2020, 24, 777-784.	3.0	23
21	Wollastonite as filler of an experimental dental adhesive. <i>Journal of Dentistry</i> , 2020, 102, 103472.	4.1	11
22	Zinc-based particle with ionic liquid as a hybrid filler for dental adhesive resin. <i>Journal of Dentistry</i> , 2020, 102, 103477.	4.1	13
23	Quantum chemistry study of the interaction between ionic liquid-functionalized TiO <sub>2</sub> quantum dots and methacrylate resin: Implications for dental materials. <i>Biophysical Chemistry</i> , 2020, 265, 106435.	2.8	3
24	Prospects on Nano-Based Platforms for Antimicrobial Photodynamic Therapy Against Oral Biofilms. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2020, 38, 481-496.	1.4	18
25	Pronounced Effect of Antibacterial Bioactive Dental Composite on Microcosm Biofilms Derived From Patients With Root Carious Lesions. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	4
26	Multifunctional antibacterial dental sealants suppress biofilms derived from children at high risk of caries. <i>Biomaterials Science</i> , 2020, 8, 3472-3484.	5.4	23
27	Guanidine derivative inhibits <i>C. albicans</i> biofilm growth on denture liner without promote loss of materials'™ resistance. <i>Bioactive Materials</i> , 2020, 5, 228-232.	15.6	15
28	Tooth sealing formulation with bacteria-killing surface and on-demand ion release/recharge inhibits early childhood caries key pathogens. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 3217-3227.	3.4	16
29	Evaluation of the Physicochemical and Antibacterial Properties of Experimental Adhesives Doped with Lithium Niobate. <i>Polymers</i> , 2020, 12, 1330.	4.5	4
30	Myristyltrimethylammonium Bromide (MYTAB) as a Cationic Surface Agent to Inhibit <i>Streptococcus mutans</i> Grown over Dental Resins: An In Vitro Study. <i>Journal of Functional Biomaterials</i> , 2020, 11, 9.	4.4	15
31	Cerium Dioxide Particles to Tune Radiopacity of Dental Adhesives: Microstructural and Physico-Chemical Evaluation. <i>Journal of Functional Biomaterials</i> , 2020, 11, 7.	4.4	13
32	Dental Sealant Empowered by 1,3,5-Tri Acryloyl Hexahydro-1,3,5-Triazine and $\hat{\pm}$ -Tricalcium Phosphate for Anti-Caries Application. <i>Polymers</i> , 2020, 12, 895.	4.5	11
33	Exploring Needle-Like Zinc Oxide Nanostructures for Improving Dental Resin Sealers: Design and Evaluation of Antibacterial, Physical and Chemical Properties. <i>Polymers</i> , 2020, 12, 789.	4.5	10
34	Guanidine hydrochloride polymer additive to undertake ultraconservative resin infiltrant against <i>Streptococcus mutans</i> . <i>European Polymer Journal</i> , 2020, 133, 109746.	5.4	9
35	pH-responsive calcium and phosphate-ion releasing antibacterial sealants on carious enamel lesions in vitro. <i>Journal of Dentistry</i> , 2020, 97, 103323.	4.1	29
36	How we are assessing the developing antibacterial resin-based dental materials? A scoping review. <i>Journal of Dentistry</i> , 2020, 99, 103369.	4.1	41

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37	Quantum Dots of Tantalum Oxide with an Imidazolium Ionic Liquid as Antibacterial Agent for Adhesive Resin. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 207-214.	0.5	8
38	Determining the Effects of Eugenol on the Bond Strength of Resin-Based Restorative Materials to Dentin: A Meta-Analysis of the Literature. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1070.	2.5	6
39	Assessment of surface roughness changes on orthodontic acrylic resin by all-in-one spray disinfectant solutions. <i>Journal of Dental Research, Dental Clinics, Dental Prospects</i> , 2020, 14, 77-82.	1.0	4
40	Incorporation of amoxicillin-loaded microspheres in mineral trioxide aggregate cement: an in vitro study. <i>Restorative Dentistry &amp; Endodontics</i> , 2020, 45, e50.	1.5	2
41	Assessment of the radiant emittance of damaged/contaminated dental light-curing tips by spectrophotometric methods. <i>Restorative Dentistry &amp; Endodontics</i> , 2020, 45, e55.	1.5	2
42	3D cone-beam C.T. imaging used to determine the effect of disinfection protocols on the dimensional stability of full arch impressions. <i>Saudi Dental Journal</i> , 2020, 33, 453-461.	1.6	1
43	Quantum Dots as Biointeractive and Non-Agglomerated Nanoscale Fillers for Dental Resins. , 2020, , 245-274.		0
44	Chemical, Mechanical and Biological Properties of an Adhesive Resin with Alkyl Trimethyl Ammonium Bromide-loaded Halloysite Nanotubes. <i>Journal of Adhesive Dentistry</i> , 2020, 22, 399-407.	0.5	6
45	Bio-additive and enameloplasty technique for restoring anterior esthetics: 54-month clinical follow-up. <i>Quintessence International</i> , 2020, 51, 622-629.	0.4	0
46	Ionic liquid as antibacterial agent for an experimental orthodontic adhesive. <i>Dental Materials</i> , 2019, 35, 1155-1165.	3.5	39
47	Ionic Liquid "Stabilized Titania Quantum Dots Applied in Adhesive Resin. <i>Journal of Dental Research</i> , 2019, 98, 682-688.	5.2	28
48	Halloysite nanotubes loaded with alkyl trimethyl ammonium bromide as antibacterial agent for root canal sealers. <i>Dental Materials</i> , 2019, 35, 789-796.	3.5	20
49	Antibacterial, chemical and physical properties of sealants with polyhexamethylene guanidine hydrochloride. <i>Brazilian Oral Research</i> , 2019, 33, e019.	1.4	12
50	Triclosan-loaded chitosan as antibacterial agent for adhesive resin. <i>Journal of Dentistry</i> , 2019, 83, 33-39.	4.1	35
51	Microfiltraç�n apical entre tres cementos utilizados en obturaci�n retr�grada. <i>Odontolog�a Sanmarquina</i> , 2019, 22, 27-31.	0.1	0
52	Influence of zinc oxide quantum dots in the antibacterial activity and cytotoxicity of an experimental adhesive resin. <i>Journal of Dentistry</i> , 2018, 73, 57-60.	4.1	54
53	Tantalum oxide as filler for dental adhesive resin. <i>Dental Materials Journal</i> , 2018, 37, 897-903.	1.8	19
54	Influ�ncia da Adi�s�o de Pontos Qu�nticos de �xido de Tit�nio Estabilizados por L�quido I�nico em um Adesivo Experimental. , 2018, 19, 276.		0

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55	Comparación in vitro del sellado apical entre dos sistemas de obturación termoplastificada: Guttacore y E&Q Master. <i>Odontología Sanmarquina</i> , 2018, 21, 205.	0.1	0
56	Triazine Compound as Copolymerized Antibacterial Agent in Adhesive Resins. <i>Brazilian Dental Journal</i> , 2017, 28, 196-200.	1.1	17
57	Influence of Octacalcium Phosphate addition on physical-mechanical properties of Glass Ionomer Cement. <i>Revista Odonto Ciencia</i> , 2017, 32, 127.	0.0	1
58	Influence of Different Calcium Phosphates on an Experimental Adhesive Resin. <i>Journal of Adhesive Dentistry</i> , 2017, 19, 379-384.	0.5	21
59	Effect of silver nanoparticles on the physicochemical and antimicrobial properties of an orthodontic adhesive. <i>Journal of Applied Oral Science</i> , 2016, 24, 404-410.	1.8	66
60	Influence of niobium pentoxide addition on the properties of glass ionomer cements. <i>Acta Biomaterialia Odontologica Scandinavica</i> , 2016, 2, 138-143.	4.0	23
61	Quantum Dots as Nonagglomerated Nanofillers for Adhesive Resins. <i>Journal of Dental Research</i> , 2016, 95, 1401-1407.	5.2	38
62	Influência de diferentes espessuras no grau de conversão de uma resina adesiva. <i>Faculdade De Odontologia De Porto Alegre Revista</i> , 2013, 54, 11-13.	0.1	0
63	Surface and mechanical properties of adhesives with calcium phosphates challenged to different storage media. <i>Brazilian Journal of Oral Sciences</i> , 0, 19, e200181.	0.1	1