

Grace M De Souza

List of Publications by Year in descending order

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43
papers

1,016
citations

430874

18
h-index

434195

31
g-index

44
all docs

44
docs citations

44
times ranked

1146
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of MDP-based materials for bonding to zirconia. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 895-902.	2.8	105
2	Microstructural and Mechanical Characterization of CAD/CAM Materials for Monolithic Dental Restorations. <i>Journal of Prosthodontics</i> , 2019, 28, e587-e594.	3.7	100
3	Correlation between clinical performance and degree of conversion of resin cements: a literature review. <i>Journal of Applied Oral Science</i> , 2015, 23, 358-368.	1.8	97
4	Accuracy of Digital vs Conventional Implant Impression Approach: A Three-Dimensional Comparative In Vitro Analysis. <i>International Journal of Oral and Maxillofacial Implants</i> , 2017, 32, 792-799.	1.4	58
5	Effect of metal primers on microtensile bond strength between zirconia and resin cements. <i>Journal of Prosthetic Dentistry</i> , 2011, 105, 296-303.	2.8	55
6	Fracture Strength of Aged Monolithic and Bilayer Zirconia-Based Crowns. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	54
7	Effect of silane and MDP-based primers on physico-chemical properties of zirconia and its bond strength to resin cement. <i>Dental Materials</i> , 2019, 35, 1557-1567.	3.5	50
8	Effect of water storage time and composite cement thickness on fatigue of a glass-ceramic trilayer system. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 84B, 117-123.	3.4	48
9	Effect of accelerated aging on dental zirconia-based materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 256-263.	3.1	40
10	Bond strength to high-crystalline content zirconia after different surface treatments. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 93B, 318-323.	3.4	36
11	Matrix metalloproteinase inhibitor modulates esterase-catalyzed degradation of resin-dentin interfaces. <i>Dental Materials</i> , 2016, 32, 1513-1523.	3.5	33
12	Roughness and its effects on flexural strength of dental yttria-stabilized zirconia ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 739, 149-157.	5.6	33
13	Are Zirconia Implant Abutments Safe and Predictable in Posterior Regions? A Systematic Review and Meta-Analysis. <i>International Journal of Prosthodontics</i> , 2016, 29, 233-244.	1.7	32
14	Surface and Mechanical Characterization of Dental Yttria-Stabilized Tetragonal Zirconia Polycrystals (3Y-TZP) After Different Aging Processes. <i>Microscopy and Microanalysis</i> , 2016, 22, 1179-1188.	0.4	26
15	Surface analysis and shear bond strength of zirconia on resin cements after non-thermal plasma treatment and/or primer application for metallic alloys. <i>Materials Science and Engineering C</i> , 2017, 72, 284-292.	7.3	26
16	Ultrashort-pulse laser as a surface treatment for bonding between zirconia and resin cement. <i>Dental Materials</i> , 2019, 35, 1545-1556.	3.5	24
17	Characterisation of a new plasma-enhanced film to improve shear bond strength between zirconia and veneering ceramic. <i>Materials Science and Engineering C</i> , 2018, 92, 196-205.	7.3	22
18	Influence of residual thermal stresses on the edge chipping resistance of PFM and veneered zirconia structures: Experimental and FEA study. <i>Dental Materials</i> , 2019, 35, 344-355.	3.5	20

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19	Influence of crown design and material on chipping-resistance of all-ceramic molar crowns: An in vitro study. <i>Dental and Medical Problems</i> , 2018, 55, 35-42.	2.0	18
20	Effect of cleaning protocol on silica deposition and silica-mediated bonding to Y-TZP. <i>Dental Materials</i> , 2019, 35, 1603-1613.	3.5	17
21	Review of nano-technology applications in <scp>resin-based</scp> restorative materials. <i>Journal of Esthetic and Restorative Dentistry</i> , 2021, 33, 567-582.	3.8	17
22	Effect of hydrothermal aging on the properties of zirconia with different levels of translucency. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 109, 103847.	3.1	13
23	Effect of surface treatment on the retention of zirconia crowns to tooth structure after aging. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020, 32, 699-706.	3.8	11
24	Effect of universal adhesives and self-etch ceramic primers on bond strength to glass-ceramics: A systematic review and meta-analysis of in vitro studies. <i>Journal of Prosthetic Dentistry</i> , 2024, 131, 392-402.	2.8	11
25	Surface and bulk properties of zirconia as a function of composition and aging. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 126, 104994.	3.1	10
26	Effect of tooth whitening strips on fatigue resistance and flexural strength of bovine dentin in vitro. <i>PLoS ONE</i> , 2017, 12, e0173480.	2.5	8
27	Different Strategies to Bond Bis-GMA-based Resin Cement to Zirconia. <i>Journal of Adhesive Dentistry</i> , 2016, 18, 239-46.	0.5	8
28	The Canadian Core Cariology Curriculum: Outcomes of a national symposium. <i>Journal of Dental Education</i> , 2020, 84, 1245-1253.	1.2	7
29	Effect of Bleaching Treatment on Fatigue Resistance and Flexural Strength of Bovine Dentin. <i>Journal of Esthetic and Restorative Dentistry</i> , 2015, 27, 374-382.	3.8	5
30	Effect of ionizing radiation on mechanical properties and translucency of monolithic zirconia. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1068-1076.	3.4	5
31	Promoting mineralization at biological interfaces Ex vivo with novel amelotin-based bio-nano complexes. <i>Materials Today Bio</i> , 2022, 14, 100255.	5.5	5
32	Nanoparticles in Restorative Materials. , 2015, , 139-171.		4
33	Effect of Training Method on Dental Students's™ Light-Curing Performance. <i>Journal of Dental Education</i> , 2018, 82, 864-871.	1.2	4
34	Simulated occlusal adjustments and their effects on zirconia and antagonist artificial enamel. <i>Journal of Advanced Prosthodontics</i> , 2019, 11, 162.	2.6	3
35	Mechanical performance of a hybrid zirconia developed through hydrothermal treatment and Room-Temperature Atomic Layer Deposition (RT-ALD). <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104783.	3.1	3
36	Silica deposition on zirconia via room-temperature atomic layer deposition (RT-ALD): Effect on bond strength to veneering ceramic. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 129, 105142.	3.1	3

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37	Effect of silorane-based adhesive system on bond strength between composite and dentin substrate. <i>Journal of Conservative Dentistry</i> , 2015, 18, 488.	0.9	2
38	Surface characterization of different surface treatments associations with plasma and bonding analysis of Y-TZP and the veneering ceramic. <i>Dental Materials</i> , 2021, 37, 1873-1883.	3.5	2
39	The Role of a MDP/VBATDT-Primer Composition on Resin Bonding to Zirconia. <i>Metals</i> , 2018, 8, 247.	2.3	1
40	Effect of handling material on mechanical and optical properties of feldspathic porcelain. <i>Journal of Esthetic and Restorative Dentistry</i> , 2020, 33, 919-924.	3.8	0
41	Effect of ionizing radiation and chewing simulation on human enamel and zirconia. <i>Journal of Prosthodontic Research</i> , 2021, 65, 67-72.	2.8	0
42	Irradiation therapy and chewing simulation: effect on zirconia and human enamel. <i>Journal of Prosthodontic Research</i> , 2021, 65, 249-254.	2.8	0
43	Silica deposition on zirconia via Room-Temperature Atomic Layer Deposition and bond strength to resin-based luting agent. <i>Ceramics International</i> , 2022, , .	4.8	0