

Stefan Rues

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

472
citations

623734

14
h-index

713466

21
g-index

33
all docs

33
docs citations

33
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro fracture load of monolithic lithium disilicate ceramic molar crowns with different wall thicknesses. <i>Clinical Oral Investigations</i> , 2014, 18, 1165-1171.	3.0	54
2	Fracture resistance of glazed, full-contour ZLS incisor crowns. <i>Journal of Prosthodontic Research</i> , 2017, 61, 344-349.	2.8	33
3	Activity patterns of the masticatory muscles during feedback-controlled simulated clenching activities. <i>European Journal of Oral Sciences</i> , 2005, 113, 469-478.	1.5	32
4	Accuracy of 3D printing compared with milling – A multi-center analysis of try-in dentures. <i>Journal of Dentistry</i> , 2021, 110, 103681.	4.1	26
5	Forces and motor control mechanisms during biting in a realistically balanced experimental occlusion. <i>Archives of Oral Biology</i> , 2008, 53, 1119-1128.	1.8	25
6	Tooth substance removal for ceramic single crown materials – an in vitro comparison. <i>Clinical Oral Investigations</i> , 2019, 23, 3359-3366.	3.0	23
7	Comparability of clinical wear measurements by optical 3D laser scanning in two different centers. <i>Dental Materials</i> , 2014, 30, 499-506.	3.5	22
8	Retention behavior of double-crown attachments with zirconia primary and secondary crowns. <i>Dental Materials</i> , 2016, 32, 695-702.	3.5	20
9	In vitro comparison of the load-bearing capacity of ceramic and metal-ceramic resin-bonded fixed dental prostheses in the posterior region. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 89-96.	2.8	20
10	Accuracy of complete-arch intraoral scans based on confocal microscopy versus optical triangulation: A comparative in vitro study. <i>Journal of Prosthetic Dentistry</i> , 2021, 126, 414-420.	2.8	19
11	Effect of bone quality and quantity on the primary stability of dental implants in a simulated bicortical placement. <i>Clinical Oral Investigations</i> , 2021, 25, 1265-1272.	3.0	19
12	Effect of impact velocity and specimen stiffness on contact forces in a weight-controlled chewing simulator. <i>Dental Materials</i> , 2011, 27, 1267-1272.	3.5	17
13	Muscle and joint forces under variable equilibrium states of the mandible. <i>Clinical Oral Investigations</i> , 2011, 15, 737-747.	3.0	17
14	In vivo accuracy of tooth surface reconstruction based on CBCT and dental MRI – A clinical pilot study. <i>Clinical Oral Implants Research</i> , 2019, 30, 920-927.	4.5	16
15	Biaxial flexural strength of zirconia: A round robin test with 12 laboratories. <i>Dental Materials</i> , 2021, 37, 284-295.	3.5	15
16	Two-Body Wear of CoCr Fabricated by Selective Laser Melting Compared with Different Dental Alloys. <i>Tribology Letters</i> , 2015, 60, 1.	2.6	14
17	Fracture Behavior of Minimally Invasive, Posterior, and Fixed Dental Prostheses Manufactured from Monolithic Zirconia. <i>Journal of Esthetic and Restorative Dentistry</i> , 2016, 28, 367-381.	3.8	14
18	Effect of scan-path length on the scanning accuracy of completely dentate and partially edentulous maxillae. <i>Journal of Prosthetic Dentistry</i> , 2024, 131, 146-154.	2.8	14

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19	Motor behavior of the jaw muscles during different clenching levels. <i>European Journal of Oral Sciences</i> , 2008, 116, 223-228.	1.5	13
20	Wear of resin denture teeth in partial removable dental prostheses. <i>Journal of Prosthodontic Research</i> , 2020, 64, 85-89.	2.8	10
21	Three-dimensional accuracy of partially guided implant surgery based on dental magnetic resonance imaging. <i>Clinical Oral Implants Research</i> , 2021, 32, 1218-1227.	4.5	10
22	In vitro accuracy of digital and conventional impressions in the partially edentulous maxilla. <i>Clinical Oral Investigations</i> , 2022, 26, 6491-6502.	3.0	10
23	<i>In-vitro&/i> accuracy of complete arch scans of the fully dentate and the partially edentulous maxilla. <i>Journal of Prosthodontic Research</i> , 2022, 66, 538-545.	2.8	9
24	Fracture resistance of zirconia-based all-ceramic crowns after bur adjustment. <i>European Journal of Oral Sciences</i> , 2017, 125, 310-313.	1.5	6
25	Mechanical properties of CAD/CAM-fabricated in comparison to conventionally fabricated functional regulator 3 appliances. <i>Scientific Reports</i> , 2021, 11, 14719.	3.3	4
26	Retentive force of telescopic crowns combining fiber-reinforced composite and zirconia. <i>Journal of Prosthodontic Research</i> , 2022, 66, 265-271.	2.8	2
27	Is mechanical retention for adhesive core build-up needed to restore a vital tooth with a monolithic zirconium crown? - An in vitro study. <i>Acta of Bioengineering and Biomechanics</i> , 2016, 18, 117-125.	0.4	2
28	Biomechanical properties of masticatory balance in cases with RPDs – The influence of preferred and nonpreferred chewing side: A pilot study. <i>Clinical and Experimental Dental Research</i> , 2022, , .	1.9	2
29	Disposable plastic trays and their effect on polyether and vinyl polysiloxane impression accuracy – an in vitro study. <i>Clinical Oral Investigations</i> , 2021, 25, 1475-1484.	3.0	1
30	Non-invasive three-dimensional thickness analysis of oral epithelium based on optical coherence tomography – development and diagnostic performance. <i>Heliyon</i> , 2021, 7, e06645.	3.2	1
31	In-vitro fit of experimental full-arch restorations made from monolithic zirconia. <i>Journal of Prosthodontic Research</i> , 2022, 66, 258-264.	2.8	1
32	Retentive force of conical crowns combining zirconia and fiber-reinforced composite. <i>Journal of Dentistry</i> , 2022, 124, 104222.	4.1	1
33	Effect of Mesh Homogeneity and Choice of Target Surface on Statistical Evaluation of Mesh Differences. <i>Biotribology</i> , 2021, 26, 100176.	1.9	0