Laurent Tapie

List of Publications by Year
in descending order

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24 papers	557 citations	840776 11 h-index	794594 19 g-index
24 all docs	24 docs citations	24 times ranked	653 citing authors

#	Article	IF	Citations
1	Volumetric and dimensional accuracy assessment of CAD-CAMâ€“manufactured dental prostheses from different materials. Journal of Prosthetic Dentistry, 2023, 129, 150-159.	2.8	13
2	Inspecting CAD/CAM ceramic dental prosthesis using X-ray micro-computed tomography. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 554-567.	1.9	0
3	Comparison of the acquisition accuracy and digitizing noise of 9 intraoral and extraoral scanners: An objective method. Journal of Prosthetic Dentistry, 2022, 128, 1032-1040.	2.8	8
4	Biomaterials Surface Integrity. Crystals, 2022, 12, 438.	2.2	0
5	3D-printed protected face shields for health care workers in Covid-19 pandemic. American Journal of Infection Control, 2021, 49, 389-391.	2.3	12
6	Milled Surface Integrity: Application to Fixed Dental Prosthesis. Crystals, 2021, 11, 559.	2.2	1
7	A Prototype CAE Tool for Mechanical Optimization of Dental CAD/CAM Process for All-ceramic Restoration. Computer-Aided Design and Applications, 2021, 19, 426-448.	0.6	0
8	Influence of Milling Tool and Prosthetic Materials on Roughness of the Dental CAD CAM Prostheses in End Milling Mode. Applied Sciences (Switzerland), 2020, 10, 2238.	2.5	1
9	3D-printed face protective shield in interventional radiology: Evaluation of an immediate solution in the era of COVID-19 pandemic. Diagnostic and Interventional Imaging, 2020, 101, 413-415.	3.2	39
10	A Computer-Aided Tool to Predict Dental Crown Prosthesis Surface Integrity after Milling. Computer-Aided Design and Applications, 2019, 16, 894-903.	0.6	3
11	Evaluation of the marginal fit of CAD-CAM zirconia copings: Comparison of 2D and 3D measurement methods. Journal of Prosthetic Dentistry, 2018, 119, 75-81.	2.8	41
12	Analysis of the twist of ruled surfaces: application to strip machining. International Journal of Manufacturing Research, 2018, 13, 26.	0.2	0
13	Adaptation Measurement of CAD/CAM Dental Crowns with X-Ray Micro-CT: Metrological Chain Standardization and 3D Gap Size Distribution. Advances in Materials Science and Engineering, 2016, 2016, 1-13.	1.8	6
14	3D fitting accuracy evaluation of CAD/CAM copings - comparison with spacer design settings. International Journal of Computerized Dentistry, 2016, 19, 27-43.	0.2	11
15	Understanding dental CAD/CAM for restorations - dental milling machines from a mechanical engineering viewpoint. Part A: chairside milling machines. International Journal of Computerized Dentistry, 2016, 19, 45-62.	0.2	21
16	Understanding dental CAD/CAM for restorations--dental milling machines from a mechanical engineering viewpoint. Part B: labside milling machines. International Journal of Computerized Dentistry, 2016, 19, 115-34.	0.2	17
17	Influence of CAD/CAM tool and material on tool wear and roughness of dental prostheses after milling. Journal of Prosthetic Dentistry, 2015, 114, 236-247.	2.8	98
18	Understanding dental CAD/CAM for restorations--accuracy from a mechanical engineering viewpoint. International Journal of Computerized Dentistry, 2015, 18, 343-67.	0.2	33

#	Article	IF	Citations
19	A systematic review of <scp>CAD</scp>/<scp>CAM</scp> fit restoration evaluations. Journal of Oral Rehabilitation, 2014, 41, 853-874.	3.0	189
20	Machining of complex-shaped parts with guidance curves. International Journal of Advanced Manufacturing Technology, 2013, 69, 1499-1509.	3.0	1
21	Topological model for machining of parts with complex shapes. Computers in Industry, 2012, 63, 528-541.	9.9	13
22	A knowledge base model for complex forging die machining. Computers and Industrial Engineering, 2011, 61, 84-97.	6.3	30
23	Circular tests for HSM machine tools: Bore machining application. International Journal of Machine Tools and Manufacture, 2007, 47, 805-819.	13.4	16
24	Machining Strategy Choice: Performance Viewer. , 2007, , 343-356.		4