

Brigitte Grosogeat

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,465
citations

218381

26
h-index

205818

48
g-index

76
all docs

76
docs citations

76
times ranked

3278
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of fluoride content and pH on the corrosion resistance of titanium and its alloys. <i>Biomaterials</i> , 2002, 23, 1995-2002.	5.7	311
2	Cytotoxicity of polyethyleneimine (PEI), precursor base layer of polyelectrolyte multilayer films. <i>Biomaterials</i> , 2007, 28, 632-640.	5.7	184
3	Mechanical properties and internal fit of 4 CAD-CAM block materials. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 384-389.	1.1	141
4	Influence of fluoridated mouthwashes on corrosion resistance of orthodontics wires. <i>Biomaterials</i> , 2004, 25, 4535-4542.	5.7	124
5	Measurement and evaluation of galvanic corrosion between titanium/Ti6Al4V implants and dental alloys by electrochemical techniques and auger spectrometry. <i>Biomaterials</i> , 1999, 20, 933-941.	5.7	116
6	Marginal and internal fit of CAD-CAM inlay/onlay restorations: A systematic review of in vitro studies. <i>Journal of Prosthetic Dentistry</i> , 2019, 121, 590-597.e3.	1.1	105
7	A chitosan-hyaluronic acid hydrogel scaffold for periodontal tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1691-1702.	1.6	88
8	Bioactive glass for dentin remineralization: A systematic review. <i>Materials Science and Engineering C</i> , 2017, 76, 1369-1377.	3.8	84
9	Galvanic corrosion between orthodontic wires and brackets in fluoride mouthwashes. <i>European Journal of Orthodontics</i> , 2005, 28, 298-304.	1.1	80
10	Biomaterial surface properties modulate in vitro rat calvaria osteoblasts response: Roughness and or chemistry?. <i>Materials Science and Engineering C</i> , 2008, 28, 990-1001.	3.8	70
11	Corrosion resistance of cobalt-chromium and palladium-silver alloys used in fixed prosthetic restorations. <i>European Journal of Oral Sciences</i> , 2005, 113, 90-95.	0.7	65
12	Corrosion resistance of three orthodontic brackets: a comparative study of three fluoride mouthwashes. <i>European Journal of Orthodontics</i> , 2005, 27, 541-549.	1.1	65
13	The use of FDI criteria in clinical trials on direct dental restorations: A scoping review. <i>Journal of Dentistry</i> , 2018, 68, 1-9.	1.7	63
14	Surface Entrapment of Fibronectin on Electrospun PLGA Scaffolds for Periodontal Tissue Engineering. <i>BioResearch Open Access</i> , 2014, 3, 117-126.	2.6	58
15	Functionalization of Titanium with Chitosan via Silanation: Evaluation of Biological and Mechanical Performances. <i>PLoS ONE</i> , 2012, 7, e39367.	1.1	54
16	Cobalt-Chromium Dental Alloys: Metal Exposures, Toxicological Risks, CMR Classification, and EU Regulatory Framework. <i>Crystals</i> , 2020, 10, 1151.	1.0	51
17	Impedance methodology: A new way to characterize the setting reaction of dental cements. <i>Dental Materials</i> , 2010, 26, 1127-1132.	1.6	47
18	Comparison of corrosion behaviour in presence of oral bacteria. <i>Biomaterials</i> , 2001, 22, 2273-2282.	5.7	43

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19	Corrosion resistance and biocompatibility of a new porous surface for titanium implants. <i>European Journal of Oral Sciences</i> , 2005, 113, 537-545.	0.7	40
20	Chitosan coating as an antibacterial surface for biomedical applications. <i>PLoS ONE</i> , 2017, 12, e0189537.	1.1	39
21	Corrosion resistance measurements of dental alloys, are they correlated?. <i>Dental Materials</i> , 2007, 23, 679-687.	1.6	38
22	Conservative approach of a symptomatic carious immature permanent tooth using a tricalcium silicate cement (Biodentine): a case report. <i>Restorative Dentistry & Endodontics</i> , 2013, 38, 258.	0.6	35
23	FTIR microscopy contribution for comprehension of degradation mechanisms in PLA-based implantable medical devices. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 87.	1.7	34
24	Combination fixed and removable prostheses using a CoCr alloy: A clinical report. <i>Journal of Prosthetic Dentistry</i> , 2006, 96, 100-103.	1.1	32
25	Bioactivity assessment of bioactive glasses for dental applications: A critical review. <i>Dental Materials</i> , 2020, 36, 1116-1143.	1.6	29
26	Influence of casting procedures on the corrosion resistance of clinical dental alloys containing palladium. <i>Acta Biomaterialia</i> , 2006, 2, 321-330.	4.1	28
27	Effectiveness of the DHMAI monomer in the development of an antibacterial dental composite. <i>Dental Materials</i> , 2017, 33, 1381-1391.	1.6	28
28	Survival of directly placed ormocer-based restorative materials: A systematic review and meta-analysis of clinical trials. <i>Dental Materials</i> , 2017, 33, e212-e220.	1.6	26
29	Influence of light energy and power density on the microhardness of two nanohybrid composites. <i>European Journal of Oral Sciences</i> , 2008, 116, 77-82.	0.7	23
30	Mesoporous silica fillers and resin composition effect on dental composites cytocompatibility. <i>Dental Materials</i> , 2017, 33, 166-174.	1.6	22
31	Influence of network modifiers in an acetate based sol-gel bioactive glass system. <i>Microporous and Mesoporous Materials</i> , 2018, 257, 99-109.	2.2	17
32	A representative ex-situ fretting wear investigation of orthodontic arch-wire/bracket contacts. <i>Wear</i> , 2009, 266, 850-858.	1.5	16
33	Review of in vitro studies on the biocompatibility of NiTi alloys. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2006, 23, 147-151.	0.3	15
34	Mesoporous Bioactive Glasses Cytocompatibility Assessment: A Review of In Vitro Studies. <i>Biomimetics</i> , 2021, 6, 9.	1.5	15
35	Comparison of physical and biological properties of a flowable fiber reinforced and bulk filling composites. <i>Dental Materials</i> , 2022, 38, e19-e30.	1.6	15
36	The influence of experimental bioactive glasses on pulp cells behavior in vitro. <i>Dental Materials</i> , 2020, 36, 1322-1331.	1.6	14

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37	Histologic and histomorphometric evaluation of new zirconia-based ceramic dental implants: A preclinical study in dogs. <i>Dental Materials</i> , 2021, 37, 1377-1389.	1.6	14
38	Early Periimplant Tissue Healing on 1-Piece Implants With a Concave Transmucosal Design. <i>Implant Dentistry</i> , 2015, 24, 598-606.	1.7	13
39	Relevant insight of surface characterization techniques to study covalent grafting of a biopolymer to titanium implant and its acidic resistance. <i>Applied Surface Science</i> , 2015, 327, 296-306.	3.1	13
40	Sol-gel bioglasses in dental and periodontal regeneration: A systematic review. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1210-1227.	1.6	12
41	The influence of precursor addition order on the porosity of sol-gel bioactive glasses. <i>Dental Materials</i> , 2018, 34, 1323-1330.	1.6	10
42	Tongue pressure recordings during speech using complete denture. <i>Materials Science and Engineering C</i> , 2008, 28, 835-841.	3.8	9
43	One-step partial or complete caries removal and bonding with antibacterial or traditional self-etch adhesives: study protocol for a randomized controlled trial. <i>Trials</i> , 2016, 17, 404.	0.7	9
44	GoPerio - impact of a personalized video and an automated two-way text-messaging system in oral hygiene motivation: study protocol for a randomized controlled trial. <i>Trials</i> , 2019, 20, 699.	0.7	9
45	Antibiotic Use in Periodontal Therapy among French Dentists and Factors Which Influence Prescribing Practices. <i>Antibiotics</i> , 2021, 10, 303.	1.5	9
46	Initial Sliding Wear Kinetics of Two Types of Glass Ionomer Cement: A Tribological Study. <i>BioMed Research International</i> , 2014, 2014, 1-6.	0.9	8
47	Confocal Time Lapse Imaging as an Efficient Method for the Cytocompatibility Evaluation of Dental Composites. <i>Journal of Visualized Experiments</i> , 2014, , e51949.	0.2	8
48	In Vivo Evaluation of Immediately Loaded Stainless Steel and Titanium Orthodontic Screws in a Growing Bone. <i>PLoS ONE</i> , 2013, 8, e76223.	1.1	8
49	Biological behaviour of buccal cells exposed to blue light. <i>Materials Science and Engineering C</i> , 2008, 28, 805-810.	3.8	7
50	Computerized histomorphometric study of the splenic collagen polymorphism: A control tissue for polarization microscopy. <i>Microscopy Research and Technique</i> , 2015, 78, 900-907.	1.2	7
51	Tensile Bond Strengths of Two Adhesives on Irradiated and Nonirradiated Human Dentin. <i>BioMed Research International</i> , 2015, 2015, 1-6.	0.9	7
52	Crystal structure of human tooth enamel studied by neutron diffraction. <i>Materials Research Express</i> , 2015, 2, 025401.	0.8	7
53	Acidic pH resistance of grafted chitosan on dental implant. <i>Odontology / the Society of the Nippon Dental University</i> , 2015, 103, 210-217.	0.9	7
54	Towards quantitative analysis of enamel erosion by focused ion beam tomography. <i>Dental Materials</i> , 2018, 34, e289-e300.	1.6	7

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55	Structural stability of DHMAI antibacterial dental composite following in vitro biological aging. <i>Dental Materials</i> , 2020, 36, 1161-1169.	1.6	7
56	Dental practice-based research networks (D-PBRN) worldwide: A scoping review. <i>Journal of Dentistry</i> , 2021, 104, 103523.	1.7	6
57	Impact of the Microstructure of CAD/CAM Blocks on the Bonding Strength and the Bonded Interface. <i>Journal of Prosthodontics</i> , 2022, 31, 72-78.	1.7	6
58	Nationwide Seroprevalence of SARS-CoV-2 IgG Antibodies among Four Groups of Primary Health-Care Workers and Their Household Contacts 6 Months after the Initiation of the COVID-19 Vaccination Campaign in France: SeroPRIM Study Protocol. <i>Pathogens</i> , 2021, 10, 911.	1.2	6
59	Potential Toxicity of Bisphenol A and Other Related Substances in Dental Restorative Resins. <i>Journal of Oral Science and Health</i> , 2015, 2, .	0.0	6
60	Devising tissue ingrowth metrics: a contribution to the computational characterization of engineered soft tissue healing. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 035010.	1.7	5
61	Bioactivity evaluation of collagen-based scaffolds containing a series of Sr-doped melt-quench derived phosphate-based glasses. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 101.	1.7	5
62	Clinical decision-making in anterior resin composite restorations: a multicenter evaluation.. <i>Journal of Dentistry</i> , 2021, 113, 103757.	1.7	5
63	Seroprevalence of SARS-CoV-2 IgG Antibodies and Factors Associated with SARS-CoV-2 IgG Neutralizing Activity among Primary Health Care Workers 6 Months after Vaccination Rollout in France. <i>Viruses</i> , 2022, 14, 957.	1.5	5
64	PEM Anchorage on Titanium Using Catechol Grafting. <i>PLoS ONE</i> , 2012, 7, e50326.	1.1	4
65	Toxicity Evaluation of Two Dental Composites: Three-Dimensional Confocal Laser Scanning Microscopy Time-Lapse Imaging of Cell Behavior. <i>Microscopy and Microanalysis</i> , 2013, 19, 596-607.	0.2	4
66	Evidence-Based Deep Carious Lesion Management: From Concept to Application in Everyday Clinical Practice. <i>Monographs in Oral Science</i> , 2018, 27, 137-145.	0.9	4
67	Cellular and collagen reference values of gingival and periodontal ligament tissues in rats: a pilot study. <i>Histochemistry and Cell Biology</i> , 2019, 152, 145-153.	0.8	4
68	Study of tongue-palate pressure patterns during the hold phase in the production of French denti-alveolar and velar stops. <i>Clinical Linguistics and Phonetics</i> , 2020, 34, 54-71.	0.5	4
69	Selected and simplified FDI criteria for assessment of restorations. <i>Journal of Dentistry</i> , 2022, 122, 104109.	1.7	4
70	Interface between calcium silicate cement and adhesive systems according to adhesive families and cement maturation. <i>Restorative Dentistry & Endodontics</i> , 2021, 46, e3.	0.6	3
71	Place of a new radiological index in predicting pulp exposure before intervention for deep carious lesions. <i>Oral Radiology</i> , 2021, , 1.	0.9	3
72	Soft Tissue and Marginal Bone Adaptation on Platform-Switched Implants with a Morse Cone Connection: A Histomorphometric Study in Dogs. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2016, 36, 221-228.	0.4	2

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73	Ion release characterization in phase separated borosilicate glass powders. Journal of Non-Crystalline Solids, 2020, 534, 119934.	1.5	2
74	Needs for re-intervention on restored teeth in adults: a practice-based study. Clinical Oral Investigations, 2021, , 1.	1.4	1
75	Accurate Tongueâ€™Palate Pressure Sensing Device to Study Speech Production and Swallowing in Patients with Complete Denture. European Journal of Dentistry, 2021, 15, 302-306.	0.8	0