

Gottfried Schmalz

List of Publications by Year in descending order

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73
papers

4,166
citations

94433

37
h-index

110387

64
g-index

74
all docs

74
docs citations

74
times ranked

4521
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of standard protocols for biofilm-biomaterial interface testing. , 2022, 1, 100008.		7
2	Endodontic regeneration: hard shell, soft core. <i>Odontology / the Society of the Nippon Dental University</i> , 2021, 109, 303-312.	1.9	21
3	Regulation of Dental Materials. , 2021, , 1-31.		0
4	Correlation of the mechanical and biological response in light-cured RBCs to receiving a range of radiant exposures: Effect of violet light. <i>Journal of Dentistry</i> , 2021, 105, 103568.	4.1	7
5	Non-allergy-related dental and orofacial findings in 625 patients reporting on adverse effects from dental materials. <i>Dental Materials</i> , 2021, 37, 1402-1415.	3.5	1
6	Regulation of Dental Materials. , 2021, , 1153-1183.		0
7	Randomized clinical split-mouth study on the performance of CAD/CAM-partial ceramic crowns luted with a self-adhesive resin cement or a universal adhesive and a conventional resin cement after 39 months. <i>Journal of Dentistry</i> , 2021, 115, 103837.	4.1	16
8	Clinical Perspectives of Pulp Regeneration. <i>Journal of Endodontics</i> , 2020, 46, S161-S174.	3.1	49
9	Effect of the degree of conversion of resin-based composites on cytotoxicity, cell attachment, and gene expression. <i>Dental Materials</i> , 2019, 35, 1173-1193.	3.5	35
10	Long-term water sorption and solubility of experimental bioactive composites based on amorphous calcium phosphate and bioactive glass. <i>Dental Materials Journal</i> , 2019, 38, 555-564.	1.8	25
11	Cell Homing for Pulp Tissue Engineering with Endogenous Dentin Matrix Proteins. <i>Journal of Endodontics</i> , 2018, 44, 956-962.e2.	3.1	54
12	Effect of bleaching agent extracts on murine macrophages. <i>Clinical Oral Investigations</i> , 2018, 22, 1771-1781.	3.0	4
13	Five hundred patients reporting on adverse effects from dental materials: Frequencies, complaints, symptoms, allergies. <i>Dental Materials</i> , 2018, 34, 1756-1768.	3.5	18
14	Flowable composites for restoration of non-carious cervical lesions: Three-year results. <i>Dental Materials</i> , 2017, 33, e136-e145.	3.5	17
15	Biocompatibility of biomaterials â€œ Lessons learned and considerations for the design of novel materials. <i>Dental Materials</i> , 2017, 33, 382-393.	3.5	85
16	Signaling Molecules and Pulp Regeneration. <i>Journal of Endodontics</i> , 2017, 43, S7-S11.	3.1	31
17	Flowable composites for restoration of non-carious cervical lesions: Results after five years. <i>Dental Materials</i> , 2017, 33, e428-e437.	3.5	22
18	Photodynamic Inactivation of Root Canal Bacteria by Light Activation through Human Dental Hard and Simulated Surrounding Tissue. <i>Frontiers in Microbiology</i> , 2016, 7, 929.	3.5	19

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19	Welcome, thank you, and good luck!. <i>Clinical Oral Investigations</i> , 2016, 20, 1367-1368.	3.0	0
20	Evaluation of cell responses toward adhesives with different photoinitiating systems. <i>Dental Materials</i> , 2015, 31, 916-927.	3.5	52
21	Influence of Root Canal Disinfectants on Growth Factor Release from Dentin. <i>Journal of Endodontics</i> , 2015, 41, 363-368.	3.1	179
22	Strategies to Improve Biocompatibility of Dental Materials. <i>Current Oral Health Reports</i> , 2014, 1, 222-231.	1.6	15
23	Cell-free Approaches for Dental Pulp Tissue Engineering. <i>Journal of Endodontics</i> , 2014, 40, S41-S45.	3.1	69
24	Blue light kills <i>Aggregatibacter actinomycetemcomitans</i> due to its endogenous photosensitizers. <i>Clinical Oral Investigations</i> , 2014, 18, 1763-1769.	3.0	94
25	BPA from dental resin material: where are we going with restorative and preventive dental biomaterials?. <i>Clinical Oral Investigations</i> , 2014, 18, 347-349.	3.0	9
26	Reinforcement of experimental composite materials based on amorphous calcium phosphate with inert fillers. <i>Dental Materials</i> , 2014, 30, 1052-1060.	3.5	45
27	Improving Photodynamic Inactivation of Bacteria in Dentistry: Highly Effective and Fast Killing of Oral Key Pathogens with Novel Tooth-Colored Type-II Photosensitizers. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5157-5168.	6.4	84
28	Pulp Development, Repair, and Regeneration: Challenges of the Transition from Traditional Dentistry to Biologically Based Therapies. <i>Journal of Endodontics</i> , 2014, 40, S2-S5.	3.1	81
29	Trodimenzionalne kulture ljudskih stanica uzgojene radi testiranja citotoksičnosti stomatoloških materijala. <i>Acta Stomatologica Croatica</i> , 2014, 48, 99-108.	1.0	5
30	Three-Dimensional Human Cell Cultures for Cytotoxicity Testing of Dental Filling Materials. <i>Acta Stomatologica Croatica</i> , 2014, 48, 99-108.	1.0	1
31	A review of adaptive mechanisms in cell responses towards oxidative stress caused by dental resin monomers. <i>Biomaterials</i> , 2013, 34, 4555-4563.	11.4	236
32	Salivary protein adsorption and <i>Streptococcus gordonii</i> adhesion to dental material surfaces. <i>Dental Materials</i> , 2013, 29, 1080-1089.	3.5	27
33	Photodynamic biofilm inactivation by SAPYR – An exclusive singlet oxygen photosensitizer. <i>Free Radical Biology and Medicine</i> , 2013, 65, 477-487.	2.9	106
34	A Customized Self-Assembling Peptide Hydrogel for Dental Pulp Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2012, 18, 176-184.	3.1	233
35	Surface-immobilized PAMAM-dendrimers modified with cationic or anionic terminal functions: Physicochemical surface properties and conformational changes after application of liquid interface stress. <i>Journal of Colloid and Interface Science</i> , 2012, 366, 179-190.	9.4	30
36	Function of MAPK and downstream transcription factors in monomer-induced apoptosis. <i>Biomaterials</i> , 2012, 33, 740-750.	11.4	40

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37	The influence of glutathione on redox regulation by antioxidant proteins and apoptosis in macrophages exposed to 2-hydroxyethyl methacrylate (HEMA). <i>Biomaterials</i> , 2012, 33, 5177-5186.	11.4	95
38	Oxidative stress and cytotoxicity generated by dental composites in human pulp cells. <i>Clinical Oral Investigations</i> , 2012, 16, 215-224.	3.0	87
39	Dentin Conditioning Codetermines Cell Fate in Regenerative Endodontics. <i>Journal of Endodontics</i> , 2011, 37, 1536-1541.	3.1	244
40	The impact of dendrimer-grafted modifications to model silicon surfaces on protein adsorption and bacterial adhesion. <i>Biomaterials</i> , 2011, 32, 9168-9179.	11.4	43
41	Influence of TEGDMA on the mammalian cell cycle in comparison with chemotherapeutic agents. <i>Dental Materials</i> , 2010, 26, 232-241.	3.5	35
42	Resin monomer-induced differential activation of MAP kinases and apoptosis in mouse macrophages and human pulp cells. <i>Biomaterials</i> , 2010, 31, 2964-2975.	11.4	58
43	Inhibition of cytokine and surface antigen expression in LPS-stimulated murine macrophages by triethylene glycol dimethacrylate. <i>Biomaterials</i> , 2009, 30, 1665-1674.	11.4	51
44	Influences of protein films on antibacterial or bacteria-repellent surface coatings in a model system using silicon wafers. <i>Biomaterials</i> , 2009, 30, 4921-4929.	11.4	98
45	The influence of Ni(II) on surface antigen expression in murine macrophages. <i>Biomaterials</i> , 2009, 30, 1492-1501.	11.4	34
46	TEGDMA-induced oxidative DNA damage and activation of ATM and MAP kinases. <i>Biomaterials</i> , 2009, 30, 2006-2014.	11.4	90
47	Proliferation of osteoblasts and fibroblasts on model surfaces of varying roughness and surface chemistry. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 1895-1905.	3.6	69
48	Proteome analysis of glandular parotid and submandibular-sublingual saliva in comparison to whole human saliva by two-dimensional gel electrophoresis. <i>Proteomics</i> , 2006, 6, 1631-1639.	2.2	130
49	Chemiluminescence-based detection and comparison of protein amounts adsorbed on differently modified silica surfaces. <i>Analytical Biochemistry</i> , 2006, 359, 194-202.	2.4	24
50	Handing over of the baton. <i>Clinical Oral Investigations</i> , 2006, 10, 95-95.	3.0	0
51	Effect of N-acetyl-L-cysteine on ROS production and cell death caused by HEMA in human primary gingival fibroblasts. <i>Biomaterials</i> , 2006, 27, 1803-1809.	11.4	189
52	Selective Influence of Dentin Thickness upon Cytotoxicity of Dentin Contacting Materials. <i>Journal of Endodontics</i> , 2005, 31, 396-399.	3.1	81
53	Welcome on Board. <i>Clinical Oral Investigations</i> , 2004, 8, 1-1.	3.0	0
54	Clinical Oral Investigations manuscript processing goes online. <i>Clinical Oral Investigations</i> , 2004, 8, 177-178.	3.0	0

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55	Clinical research update. <i>Clinical Oral Investigations</i> , 2003, 7, 1-1.	3.0	1
56	Materials Science: Biological Aspects. <i>Journal of Dental Research</i> , 2002, 81, 660-663.	5.2	35
57	Cytotoxicity of Low pH Dentin-Bonding Agents in a Dentin Barrier Test In Vitro. <i>Journal of Endodontics</i> , 2002, 28, 188-192.	3.1	53
58	Mutagenic activity of structurally related oxiranes and siloranes in <i>Salmonella typhimurium</i> . <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 521, 19-27.	1.7	53
59	Biological interactions of dental cast alloys with oral tissues. <i>Dental Materials</i> , 2002, 18, 396-406.	3.5	222
60	Clinical evaluation of packable composite resins in Class-II restorations. <i>Clinical Oral Investigations</i> , 2001, 5, 102-107.	3.0	36
61	Bovine dental papilla-derived cells immortalized with HPV 18 E6/E7. <i>European Journal of Oral Sciences</i> , 2000, 108, 432-441.	1.5	31
62	Release of prostaglandin E2, IL-6 and IL-8 from human oral epithelial culture models after exposure to compounds of dental materials. <i>European Journal of Oral Sciences</i> , 2000, 108, 442-448.	1.5	86
63	Triethylene glycol dimethacrylate induces large deletions in the hprt gene of V79 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 438, 71-78.	1.7	108
64	An in vitro pulp chamber with three-dimensional cell cultures. <i>Journal of Endodontics</i> , 1999, 25, 24-29.	3.1	65
65	The biocompatibility of non-amalgam dental filling materials. <i>European Journal of Oral Sciences</i> , 1998, 106, 696-706.	1.5	104
66	Clinical evaluation of different adhesive systems for restoring teeth with erosion lesions. <i>Clinical Oral Investigations</i> , 1998, 2, 58-66.	3.0	18
67	Retrospective clinical investigation and survival analysis on ceramic inlays and partial ceramic crowns: results up to 7 years. <i>Clinical Oral Investigations</i> , 1998, 2, 161-167.	3.0	74
68	Environmental issues in dentistry - mercury. <i>International Dental Journal</i> , 1997, 47, 105-109.	2.6	26
69	Epithelial fibroblast co-culture for assessing mucosal irritancy of metals used in dentistry. <i>European Journal of Oral Sciences</i> , 1997, 105, 86-91.	1.5	57
70	Clinical evaluation of heat-pressed glass-ceramic inlays in vivo: 2-year results. <i>Clinical Oral Investigations</i> , 1997, 1, 27-34.	3.0	18
71	Cytotoxicity of Metal Cations used in Dental Cast Alloys. <i>ATLA Alternatives To Laboratory Animals</i> , 1997, 25, 323-330.	1.0	40
72	Toxicity parameters for cytotoxicity testing of dental materials in two different mammalian cell lines. <i>European Journal of Oral Sciences</i> , 1996, 104, 292-299.	1.5	84

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73	Alternatives to the Animal Testing of Medical Devices. ATLA Alternatives To Laboratory Animals, 1996, 24, 659-669.	1.0	9