

Andreas Winkel

List of Publications by Year in descending order

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39
papers

769
citations

516710

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526287

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39
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying implant-associated biofilms: Comparison of microscopic, microbiologic and biochemical methods. <i>Journal of Microbiological Methods</i> , 2016, 130, 61-68.	1.6	72
2	Development of Laser-Structured Liquid-Infused Titanium with Strong Biofilm-Repellent Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9359-9368.	8.0	70
3	Alloying colloidal silver nanoparticles with gold disproportionally controls antibacterial and toxic effects. <i>Gold Bulletin</i> , 2014, 47, 83-93.	2.4	62
4	Serum albumin reduces the antibacterial and cytotoxic effects of hydrogel-embedded colloidal silver nanoparticles. <i>RSC Advances</i> , 2012, 2, 7190.	3.6	47
5	An oral multispecies biofilm model for high content screening applications. <i>PLoS ONE</i> , 2017, 12, e0173973.	2.5	42
6	Metagenomic analysis of the peri-implant and periodontal microflora in patients with clinical signs of gingivitis or mucositis. <i>Clinical Oral Investigations</i> , 2012, 16, 843-850.	3.0	38
7	Self-Assembled Antimicrobial and Biocompatible Copolymer Films on Titanium. <i>Macromolecular Bioscience</i> , 2011, 11, 1515-1525.	4.1	37
8	Differences of isolated dental stem cells dependent on donor age and consequences for autologous tooth replacement. <i>Archives of Oral Biology</i> , 2014, 59, 559-567.	1.8	36
9	Commensal and pathogenic biofilms differently modulate peri-implant oral mucosa in an organotypic model. <i>Cellular Microbiology</i> , 2019, 21, e13078.	2.1	28
10	Liquid-Infused Structured Titanium Surfaces: Antiadhesive Mechanism to Repel <i>Streptococcus oralis</i> Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23026-23038.	8.0	27
11	Development of a peri-implantitis model in the rat. <i>Clinical Oral Implants Research</i> , 2020, 31, 203-214.	4.5	25
12	Therapeutic Window of Ligand-Free Silver Nanoparticles in Agar-Embedded and Colloidal State: In Vitro Bactericidal Effects and Cytotoxicity. <i>Advanced Engineering Materials</i> , 2012, 14, B231.	3.5	24
13	Expression of antimicrobial peptides and interleukin-8 during early stages of inflammation: An experimental gingivitis study. <i>Journal of Periodontal Research</i> , 2015, 50, 836-845.	2.7	24
14	<i>Streptococcus mitis</i> and <i>Gemella haemolysans</i> were simultaneously found in atherosclerotic and oral plaques of elderly without periodontitis—a pilot study. <i>Clinical Oral Investigations</i> , 2017, 21, 447-452.	3.0	21
15	Diversity patterns of bacteriophages infecting <i>Aggregatibacter</i> and <i>Haemophilus</i> species across clades and niches. <i>ISME Journal</i> , 2019, 13, 2500-2522.	9.8	20
16	Introducing a Semi-Coated Model to Investigate Antibacterial Effects of Biocompatible Polymers on Titanium Surfaces. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4327-4342.	4.1	18
17	Evaluation of biofilm colonization on multi-part dental implants in a rat model. <i>BMC Oral Health</i> , 2021, 21, 313.	2.3	17
18	A new model for biofilm formation and inflammatory tissue reaction: intraoperative infection of a cranial implant with <i>Staphylococcus aureus</i> in rats. <i>Acta Neurochirurgica</i> , 2017, 159, 1747-1756.	1.7	15

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19	Cell culture media notably influence properties of human mesenchymal stroma/stem-like cells from different tissues. <i>Cytotherapy</i> , 2020, 22, 653-668.	0.7	15
20	Assessment of the Cytocompatibility of Poly(<i>N</i> -hexylvinylpyridinium) Used as an Antibacterial Implant Coating. <i>Advanced Engineering Materials</i> , 2010, 12, B609.	3.5	13
21	Bacterial colonisation of suture material after routine neurosurgical procedures: relevance for wound infection. <i>Acta Neurochirurgica</i> , 2018, 160, 497-503.	1.7	13
22	In Vitro Effects of <i>Streptococcus oralis</i> Biofilm on Peri-Implant Soft Tissue Cells. <i>Cells</i> , 2020, 9, 1226.	4.1	13
23	Early host-microbe interaction in a peri-implant oral mucosa-biofilm model. <i>Cellular Microbiology</i> , 2020, 22, e13209.	2.1	13
24	Antimicrobial surface coatings for a permanent percutaneous passage in the concept of osseointegrated extremity prosthesis. <i>Biomedizinische Technik</i> , 2012, 57, 467-71.	0.8	12
25	Influence of quaternization of ammonium on antibacterial activity and cytocompatibility of thin copolymer layers on titanium. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1507-1519.	3.5	11
26	Biocompatible Coatings from Smart Biopolymer Nanoparticles for Enzymatically Induced Drug Release. <i>Biomolecules</i> , 2018, 8, 103.	4.0	10
27	Synthetic anti-endotoxin peptides interfere with Gram-positive and Gram-negative bacteria, their adhesion and biofilm formation on titanium. <i>Journal of Applied Microbiology</i> , 2020, 129, 1272-1286.	3.1	8
28	Influence of the Available Surface Area and Cell Elasticity on Bacterial Adhesion Forces on Highly Ordered Silicon Nanopillars. <i>ACS Omega</i> , 2022, 7, 17620-17631.	3.5	8
29	The Effectiveness of Poly-(4-vinyl-N-hexylpyridiniumbromide) as an Antibacterial Implant Coating: An <i>In Vitro</i> Study. <i>International Journal of Dentistry</i> , 2011, 2011, 1-11.	1.5	5
30	Detection of bacterial DNA on neurostimulation systems in patients without overt infection. <i>Clinical Neurology and Neurosurgery</i> , 2019, 184, 105399.	1.4	5
31	Neutrophils exhibit an individual response to different oral bacterial biofilms. <i>Journal of Oral Microbiology</i> , 2021, 13, 1856565.	2.7	5
32	Interleukin-17 is disease promoting in early stages and protective in late stages of experimental periodontitis. <i>PLoS ONE</i> , 2022, 17, e0265486.	2.5	4
33	Cell Type-Specific Adhesion and Migration on Laser-Structured Opaque Surfaces. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8442.	4.1	3
34	Bacterial-Specific Induction of Inflammatory Cytokines Significantly Decreases upon Dual Species Infections of Implant Materials with Periodontal Pathogens in a Mouse Model. <i>Biomedicines</i> , 2022, 10, 286.	3.2	3
35	Non-Invasive Luciferase Imaging of Type I Interferon Induction in a Transgenic Mouse Model of Biomaterial Associated Bacterial Infections: Microbial Specificity and Inter-Bacterial Species Interactions. <i>Microorganisms</i> , 2020, 8, 1624.	3.6	2
36	Antimicrobial agents in dental restorative materials: Effect on polymerization, short-term drug release and biological impact. <i>European Journal of Oral Sciences</i> , 2022, 130, .	1.5	2

#	ARTICLE	IF	CITATIONS
37	Time resolved 3D live-cell imaging on implants. PLoS ONE, 2018, 13, e0205411.	2.5	1
38	Design of Antibacterial Copolymers for Implant Coatings. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.8	0
39	Session 10: Biofilms Implant related infections. Biomedizinische Technik, 2019, 64, 63-65.	0.8	0