

Martijn Riool

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,685
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

2780
citing authors

#	ARTICLE	IF	CITATIONS
1	The antimicrobial peptide SAAP-148 combats drug-resistant bacteria and biofilms. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	358
2	Selective laser melting porous metallic implants with immobilized silver nanoparticles kill and prevent biofilm formation by methicillin-resistant <i>Staphylococcus aureus</i> . <i>Biomaterials</i> , 2017, 140, 1-15.	11.4	170
3	Antimicrobial Peptides in Biomedical Device Manufacturing. <i>Frontiers in Chemistry</i> , 2017, 5, 63.	3.6	148
4	Orthopaedic device-related infection: current and future interventions for improved prevention and treatment. <i>EFORT Open Reviews</i> , 2016, 1, 89-99.	4.1	131
5	Prevention of <i>Staphylococcus aureus</i> biomaterial-associated infections using a polymer-lipid coating containing the antimicrobial peptide OP-145. <i>Journal of Controlled Release</i> , 2016, 222, 1-8.	9.9	96
6	<i>Staphylococcus epidermidis</i> originating from titanium implants infects surrounding tissue and immune cells. <i>Acta Biomaterialia</i> , 2014, 10, 5202-5212.	8.3	66
7	Evaluating Efficacy of Antimicrobial and Antifouling Materials for Urinary Tract Medical Devices: Challenges and Recommendations. <i>Macromolecular Bioscience</i> , 2019, 19, e1800384.	4.1	66
8	Convenient Preparation of Bactericidal Hydrogels by Covalent Attachment of Stabilized Antimicrobial Peptides Using Thiol-ene Click Chemistry. <i>ACS Macro Letters</i> , 2014, 3, 477-480.	4.8	64
9	A doxycycline-loaded polymer-lipid encapsulation matrix coating for the prevention of implant-related osteomyelitis due to doxycycline-resistant methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Controlled Release</i> , 2015, 209, 47-56.	9.9	63
10	Current Concepts of Osteomyelitis. <i>American Journal of Pathology</i> , 2020, 190, 1151-1163.	3.8	61
11	Host tissue as a niche for biomaterial-associated infection. <i>Future Microbiology</i> , 2010, 5, 1149-1151.	2.0	57
12	Controlled Release of L-lysine-Derived Synthetic Antimicrobial and Anti-Biofilm Peptides SAAP-145 and SAAP-276 Prevents Experimental Biomaterial-Associated <i>Staphylococcus aureus</i> Infection. <i>Advanced Functional Materials</i> , 2017, 27, 1606623.	14.9	51
13	Synergistic microbicidal effect of cationic antimicrobial peptides and teicoplanin against planktonic and biofilm-encased <i>Staphylococcus aureus</i> . <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 143-151.	2.5	39
14	Recommendations for design and conduct of preclinical in vivo studies of orthopedic device-related infection. <i>Journal of Orthopaedic Research</i> , 2019, 37, 271-287.	2.3	38
15	In Vitro Bacterial Adhesion and Biofilm Formation on Fully Absorbable Poly-4-hydroxybutyrate and Nonabsorbable Polypropylene Pelvic Floor Implants. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53646-53653.	8.0	35
16	Fabrication of oxide layer on zirconium by micro-arc oxidation: Structural and antimicrobial characteristics. <i>Materials Science and Engineering C</i> , 2017, 71, 565-569.	7.3	33
17	Synthetic antimicrobial peptides delocalize membrane bound proteins thereby inducing a cell envelope stress response. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2416-2427.	2.6	29
18	Antimicrobial Food Packaging Based on Prodigiosin-Incorporated Double-Layered Bacterial Cellulose and Chitosan Composites. <i>Polymers</i> , 2022, 14, 315.	4.5	27

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19	Multiplexed detection and differentiation of bacterial enzymes and bacteria by color-encoded sensor hydrogels. <i>Bioactive Materials</i> , 2021, 6, 4286-4300.	15.6	22
20	Antimicrobial peptide modification of biomaterials using supramolecular additives. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1926-1934.	2.3	21
21	Thrombocidin-1-derived antimicrobial peptide TC19 combats superficial multi-drug resistant bacterial wound infections. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183282.	2.6	20
22	Stable S/MAR-based episomal vectors are regulated at the chromatin level. <i>Chromosome Research</i> , 2010, 18, 757-775.	2.2	18
23	Three-Dimensional <i>In Vitro</i> Staphylococcus aureus Abscess Communities Display Antibiotic Tolerance and Protection from Neutrophil Clearance. <i>Infection and Immunity</i> , 2020, 88, .	2.2	16
24	Antimicrobial coating innovations to prevent infectious disease: a consensus view from the AMiCI COST Action. <i>Journal of Hospital Infection</i> , 2020, 105, 116-118.	2.9	13
25	Combined Effect of Naturally-Derived Biofilm Inhibitors and Differentiated HL-60 Cells in the Prevention of Staphylococcus aureus Biofilm Formation. <i>Microorganisms</i> , 2020, 8, 1757.	3.6	9
26	3D-Printed Gentamicin-Releasing Poly- $\hat{\mu}$ -Caprolactone Composite Prevents Fracture-Related Staphylococcus aureus Infection in Mice. <i>Pharmaceutics</i> , 2022, 14, 1363.	4.5	9
27	Data on the surface morphology of additively manufactured Ti-6Al-4V implants during processing by plasma electrolytic oxidation. <i>Data in Brief</i> , 2017, 13, 385-389.	1.0	7
28	Coupling Additive Manufacturing with Hot Melt Extrusion Technologies to Validate a Ventilator-Associated Pneumonia Mouse Model. <i>Pharmaceutics</i> , 2021, 13, 772.	4.5	7
29	In Vitro 3D Staphylococcus aureus Abscess Communities Induce Bone Marrow Cells to Expand into Myeloid-Derived Suppressor Cells. <i>Pathogens</i> , 2021, 10, 1446.	2.8	6
30	The impact of bacterial contamination on the host response towards fully absorbable poly-4-hydroxybutyrate and nonabsorbable polypropylene pelvic floor implants. <i>Materials Today Bio</i> , 2022, 15, 100268.	5.5	5