

Hans P Steenackers

List of Publications by Year in descending order

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36
papers

1,442
citations

516710

16
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

2279
citing authors

#	ARTICLE	IF	CITATIONS
1	Salmonella biofilms: An overview on occurrence, structure, regulation and eradication. Food Research International, 2012, 45, 502-531.	6.2	406
2	Experimental evolution in biofilm populations. FEMS Microbiology Reviews, 2016, 40, 373-397.	8.6	128
3	RNA-binding proteins involved in post-transcriptional regulation in bacteria. Frontiers in Microbiology, 2015, 6, 141.	3.5	117
4	Inhibiting bacterial cooperation is an evolutionarily robust anti-biofilm strategy. Nature Communications, 2020, 11, 107.	12.8	96
5	Occurrence and characterisation of biofilms in drinking water systems of broiler houses. BMC Microbiology, 2019, 19, 77.	3.3	68
6	Biofilm Bacteria Use Stress Responses to Detect and Respond to Competitors. Current Biology, 2020, 30, 1231-1244.e4.	3.9	65
7	Structure-activity relationship of brominated 3-alkyl-5-methylene-2(5H)-furanones and alkylmaleic anhydrides as inhibitors of Salmonella biofilm formation and quorum sensing regulated bioluminescence in Vibrio harveyi. Bioorganic and Medicinal Chemistry, 2010, 18, 5224-5233.	3.0	61
8	Derivatives of the Mouse Cathelicidin-Related Antimicrobial Peptide (CRAMP) Inhibit Fungal and Bacterial Biofilm Formation. Antimicrobial Agents and Chemotherapy, 2014, 58, 5395-5404.	3.2	55
9	Competitive inter-species interactions underlie the increased antimicrobial tolerance in multispecies brewery biofilms. ISME Journal, 2018, 12, 2061-2075.	9.8	49
10	Frequency-based haplotype reconstruction from deep sequencing data of bacterial populations. Nucleic Acids Research, 2015, 43, e105-e105.	14.5	45
11	Smart Metal-Organic Framework Coatings: Triggered Antibiofilm Compound Release. ACS Applied Materials & Interfaces, 2017, 9, 4440-4449.	8.0	43
12	Identification and Spoilage Potential of the Remaining Dominant Microbiota on Food Contact Surfaces after Cleaning and Disinfection in Different Food Industries. Journal of Food Protection, 2019, 82, 262-275.	1.7	42
13	Gene expression variability in clonal populations: Causes and consequences. Critical Reviews in Microbiology, 2016, 42, 969-984.	6.1	33
14	Antibacterial activity of a new broad-spectrum antibiotic covalently bound to titanium surfaces. Journal of Orthopaedic Research, 2016, 34, 2191-2198.	2.3	29
15	Microwave-assisted one-pot synthesis and anti-biofilm activity of 2-amino-1H-imidazole/triazole conjugates. Organic and Biomolecular Chemistry, 2014, 12, 3671-3678.	2.8	26
16	Modulation of the Substitution Pattern of 5-Aryl-2-Aminoimidazoles Allows Fine-Tuning of Their Antibiofilm Activity Spectrum and Toxicity. Antimicrobial Agents and Chemotherapy, 2016, 60, 6483-6497.	3.2	18
17	Expression of fluorescent proteins in <i>Lactobacillus rhamnosus</i> to study host-microbe and microbe-microbe interactions. Microbial Biotechnology, 2018, 11, 317-331.	4.2	18
18	Agaric acid reduces Salmonella biofilm formation by inhibiting flagellar motility. Biofilm, 2020, 2, 100022.	3.8	15

#	ARTICLE	IF	CITATIONS
19	Pseudomonas putida as a potential biocontrol agent against Salmonella Java biofilm formation in the drinking water system of broiler houses. BMC Microbiology, 2020, 20, 373.	3.3	13
20	Evaluation of Two Surface Sampling Methods for Microbiological and Chemical Analyses To Assess the Presence of Biofilms in Food Companies. Journal of Food Protection, 2017, 80, 2022-2028.	1.7	11
21	An antibiofilm coating of 5-aryl-2-aminoimidazole covalently attached to a titanium surface. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1908-1919.	3.4	11
22	Drug repurposing: phosphate prodrugs of anticancer and antiviral FDA-approved nucleosides as novel antimicrobials. Journal of Antimicrobial Chemotherapy, 2020, 75, 2864-2878.	3.0	10
23	Pre-clinical In Vivo Models of Vascular Graft Coating in the Prevention of Vascular Graft Infection: A Systematic Review. European Journal of Vascular and Endovascular Surgery, 2021, 62, 99-118.	1.5	10
24	Evaluation of the Toxicity of 5-Aryl-2-Aminoimidazole-Based Biofilm Inhibitors against Eukaryotic Cell Lines, Bone Cells and the Nematode Caenorhabditis elegans. Molecules, 2014, 19, 16707-16723.	3.8	9
25	FabR regulates Salmonella biofilm formation via its direct target FabB. BMC Genomics, 2016, 17, 253.	2.8	9
26	A systematic review of preclinical data regarding commercial silver-coated vascular grafts. Journal of Vascular Surgery, 2021, 74, 1386-1393.e1.	1.1	8
27	Meeting Report on the ASM Conference on Mechanisms of Interbacterial Cooperation and Competition. Journal of Bacteriology, 2017, 199, e00403-17.	2.2	7
28	Microbial Interspecies Interactions and Their Impact on the Emergence and Spread of Antimicrobial Resistance. Annual Review of Microbiology, 2022, 76, 179-192.	7.3	7
29	Rational design of small molecules that modulate the transcriptional function of the response regulator PhoP. Biochemical and Biophysical Research Communications, 2018, 495, 375-381.	2.1	5
30	Computational Studies of the Active and Inactive Regulatory Domains of Response Regulator PhoP Using Molecular Dynamics Simulations. Molecular Informatics, 2017, 36, 1700031.	2.5	4
31	An Improved 2-Aminoimidazole Based Anti-Biofilm Coating for Orthopedic Implants: Activity, Stability, and in vivo Biocompatibility. Frontiers in Microbiology, 2021, 12, 658521.	3.5	4
32	Pre-clinical In Vitro Models of Vascular Graft Coating in the Prevention of Vascular Graft Infection: A Systematic Review. European Journal of Vascular and Endovascular Surgery, 2021, , .	1.5	3
33	Study on the Effect of Contrast Agent on Biofilms and Their Visualization in Porous Substrate Using X-ray μ CT. Applied Sciences (Switzerland), 2020, 10, 5435.	2.5	2
34	Permissive aggregative group formation favors coexistence between cooperators and defectors in yeast. ISME Journal, 2022, 16, 2305-2312.	9.8	2
35	2-Aminoimidazoles as potent inhibitors of contaminating brewery biofilms. Biofouling, 2021, 37, 61-77.	2.2	1
36	Evolution-proof inhibitors of public good cooperation: a screening strategy inspired by social evolution theory. FEMS Microbiology Reviews, 0, , .	8.6	0