

# Hans P Steenackers

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10158/publications.pdf>

Version: 2024-02-01

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	Microbial Interspecies Interactions and Their Impact on the Emergence and Spread of Antimicrobial Resistance. <i>Annual Review of Microbiology</i> , 2022, 76, 179-192.	7.3	7
2	Permissive aggregative group formation favors coexistence between cooperators and defectors in yeast. <i>ISME Journal</i> , 2022, 16, 2305-2312.	9.8	2
3	2-Aminoimidazoles as potent inhibitors of contaminating brewery biofilms. <i>Biofouling</i> , 2021, 37, 61-77.	2.2	1
4	An Improved 2-Aminoimidazole Based Anti-Biofilm Coating for Orthopedic Implants: Activity, Stability, and in vivo Biocompatibility. <i>Frontiers in Microbiology</i> , 2021, 12, 658521.	3.5	4
5	Pre-clinical in Vivo Models of Vascular Graft Coating in the Prevention of Vascular Graft Infection: A Systematic Review. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, 62, 99-118.	1.5	10
6	A systematic review of preclinical data regarding commercial silver-coated vascular grafts. <i>Journal of Vascular Surgery</i> , 2021, 74, 1386-1393.e1.	1.1	8
7	Pre-clinical In Vitro Models of Vascular Graft Coating in the Prevention of Vascular Graft Infection: A Systematic Review. <i>European Journal of Vascular and Endovascular Surgery</i> , 2021, , .	1.5	3
8	Inhibiting bacterial cooperation is an evolutionarily robust anti-biofilm strategy. <i>Nature Communications</i> , 2020, 11, 107.	12.8	96
9	Drug repurposing: phosphate prodrugs of anticancer and antiviral FDA-approved nucleosides as novel antimicrobials. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2864-2878.	3.0	10
10	Study on the Effect of Contrast Agent on Biofilms and Their Visualization in Porous Substrate Using X-ray $\mu$ CT. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5435.	2.5	2
11	<i>Pseudomonas putida</i> as a potential biocontrol agent against <i>Salmonella</i> Java biofilm formation in the drinking water system of broiler houses. <i>BMC Microbiology</i> , 2020, 20, 373.	3.3	13
12	Agaric acid reduces <i>Salmonella</i> biofilm formation by inhibiting flagellar motility. <i>Biofilm</i> , 2020, 2, 100022.	3.8	15
13	Biofilm Bacteria Use Stress Responses to Detect and Respond to Competitors. <i>Current Biology</i> , 2020, 30, 1231-1244.e4.	3.9	65
14	Identification and Spoilage Potential of the Remaining Dominant Microbiota on Food Contact Surfaces after Cleaning and Disinfection in Different Food Industries. <i>Journal of Food Protection</i> , 2019, 82, 262-275.	1.7	42
15	Occurrence and characterisation of biofilms in drinking water systems of broiler houses. <i>BMC Microbiology</i> , 2019, 19, 77.	3.3	68
16	An antibiofilm coating of 5- <i>Carylä</i> -2- <i>C</i> -aminoimidazole covalently attached to a titanium surface. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 1908-1919.	3.4	11
17	Expression of fluorescent proteins in <i>Lactobacillus rhamnosus</i> to study host-microbe and microbe-microbe interactions. <i>Microbial Biotechnology</i> , 2018, 11, 317-331.	4.2	18
18	Rational design of small molecules that modulate the transcriptional function of the response regulator PhoP. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 375-381.	2.1	5

#	ARTICLE	IF	CITATIONS
19	Competitive inter-species interactions underlie the increased antimicrobial tolerance in multispecies brewery biofilms. <i>ISME Journal</i> , 2018, 12, 2061-2075.	9.8	49
20	Smart Metal-Organic Framework Coatings: Triggered Antibiofilm Compound Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4440-4449.	8.0	43
21	Computational Studies of the Active and Inactive Regulatory Domains of Response Regulator PhoP Using Molecular Dynamics Simulations. <i>Molecular Informatics</i> , 2017, 36, 1700031.	2.5	4
22	Meeting Report on the ASM Conference on Mechanisms of Interbacterial Cooperation and Competition. <i>Journal of Bacteriology</i> , 2017, 199, e00403-17.	2.2	7
23	Evaluation of Two Surface Sampling Methods for Microbiological and Chemical Analyses To Assess the Presence of Biofilms in Food Companies. <i>Journal of Food Protection</i> , 2017, 80, 2022-2028.	1.7	11
24	Antibacterial activity of a new broad-spectrum antibiotic covalently bound to titanium surfaces. <i>Journal of Orthopaedic Research</i> , 2016, 34, 2191-2198.	2.3	29
25	Modulation of the Substitution Pattern of 5-Aryl-2-Aminoimidazoles Allows Fine-Tuning of Their Antibiofilm Activity Spectrum and Toxicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6483-6497.	3.2	18
26	Experimental evolution in biofilm populations. <i>FEMS Microbiology Reviews</i> , 2016, 40, 373-397.	8.6	128
27	FabR regulates Salmonella biofilm formation via its direct target FabB. <i>BMC Genomics</i> , 2016, 17, 253.	2.8	9
28	Gene expression variability in clonal populations: Causes and consequences. <i>Critical Reviews in Microbiology</i> , 2016, 42, 969-984.	6.1	33
29	Frequency-based haplotype reconstruction from deep sequencing data of bacterial populations. <i>Nucleic Acids Research</i> , 2015, 43, e105-e105.	14.5	45
30	RNA-binding proteins involved in post-transcriptional regulation in bacteria. <i>Frontiers in Microbiology</i> , 2015, 6, 141.	3.5	117
31	Evaluation of the Toxicity of 5-Aryl-2-Aminoimidazole-Based Biofilm Inhibitors against Eukaryotic Cell Lines, Bone Cells and the Nematode <i>Caenorhabditis elegans</i> . <i>Molecules</i> , 2014, 19, 16707-16723.	3.8	9
32	Derivatives of the Mouse Cathelicidin-Related Antimicrobial Peptide (CRAMP) Inhibit Fungal and Bacterial Biofilm Formation. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 5395-5404.	3.2	55
33	Microwave-assisted one-pot synthesis and anti-biofilm activity of 2-amino-1H-imidazole/triazole conjugates. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3671-3678.	2.8	26
34	Salmonella biofilms: An overview on occurrence, structure, regulation and eradication. <i>Food Research International</i> , 2012, 45, 502-531.	6.2	406
35	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 <i>Vibrio harveyi</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5224-5233.	3.0	61
36	Evolution-proof inhibitors of public good cooperation: a screening strategy inspired by social evolution theory. <i>FEMS Microbiology Reviews</i> , 0, , .	8.6	0