

# Tom Coenye

## List of Publications by Citations

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322  
papers

20,720  
citations

67  
h-index

134  
g-index

342  
ext. papers

24,829  
ext. citations

5.6  
avg, IF

7.05  
L-index

#	Paper	IF	Citations
322	DNA-DNA hybridization values and their relationship to whole-genome sequence similarities. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2007</b> , 57, 81-91	2.2	2671
321	Opinion: Re-evaluating prokaryotic species. <i>Nature Reviews Microbiology</i> , <b>2005</b> , 3, 733-9	22.2	834
320	Comparison of multiple methods for quantification of microbial biofilms grown in microtiter plates. <i>Journal of Microbiological Methods</i> , <b>2008</b> , 72, 157-65	2.8	677
319	Diversity and significance of Burkholderia species occupying diverse ecological niches. <i>Environmental Microbiology</i> , <b>2003</b> , 5, 719-29	5.2	624
318	Critical review on biofilm methods. <i>Critical Reviews in Microbiology</i> , <b>2017</b> , 43, 313-351	7.8	454
317	Taxonomy of the genus Cupriavidus: a tale of lost and found. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 2285-2289	2.2	372
316	Quorum sensing inhibitors increase the susceptibility of bacterial biofilms to antibiotics in vitro and in vivo. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 2655-61	5.9	363
315	Taxonomy and identification of the Burkholderia cepacia complex. <i>Journal of Clinical Microbiology</i> , <b>2001</b> , 39, 3427-36	9.7	340
314	Propionibacterium acnes: from commensal to opportunistic biofilm-associated implant pathogen. <i>Clinical Microbiology Reviews</i> , <b>2014</b> , 27, 419-40	34	336
313	Molecular mechanisms of antimicrobial tolerance and resistance in bacterial and fungal biofilms. <i>Trends in Microbiology</i> , <b>2014</b> , 22, 326-33	12.4	295
312	In vitro and in vivo model systems to study microbial biofilm formation. <i>Journal of Microbiological Methods</i> , <b>2010</b> , 83, 89-105	2.8	295
311	Diversity and occurrence of Burkholderia spp. in the natural environment. <i>FEMS Microbiology Reviews</i> , <b>2008</b> , 32, 607-26	15.1	284
310	PCR-based assay for differentiation of Pseudomonas aeruginosa from other Pseudomonas species recovered from cystic fibrosis patients. <i>Journal of Clinical Microbiology</i> , <b>2004</b> , 42, 2074-9	9.7	278
309	Diagnostically and experimentally useful panel of strains from the Burkholderia cepacia complex. <i>Journal of Clinical Microbiology</i> , <b>2000</b> , 38, 910-3	9.7	277
308	Burkholderia phytofirmans sp. nov., a novel plant-associated bacterium with plant-beneficial properties. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 1187-1192	2.2	273
307	Lipid and polymer nanoparticles for drug delivery to bacterial biofilms. <i>Journal of Controlled Release</i> , <b>2014</b> , 190, 607-23	11.7	244
306	Classification of Alcaligenes faecalis-like isolates from the environment and human clinical samples as Ralstonia gilardii sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>1999</b> , 49 Pt 2, 405-13	2.2	242

305	Quorum sensing inhibitors as anti-biofilm agents. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 5-11	3.3	238
304	The Role of Reactive Oxygen Species in Antibiotic-Mediated Killing of Bacteria. <i>Trends in Microbiology</i> , <b>2017</b> , 25, 456-466	12.4	226
303	Cinnamaldehyde and cinnamaldehyde derivatives reduce virulence in <i>Vibrio</i> spp. by decreasing the DNA-binding activity of the quorum sensing response regulator LuxR. <i>BMC Microbiology</i> , <b>2008</b> , 8, 149	4.5	206
302	D-enantiomeric peptides that eradicate wild-type and multidrug-resistant biofilms and protect against lethal <i>Pseudomonas aeruginosa</i> infections. <i>Chemistry and Biology</i> , <b>2015</b> , 22, 196-205		204
301	<i>Burkholderia cenocepacia</i> sp. nov.--a new twist to an old story. <i>Research in Microbiology</i> , <b>2003</b> , 154, 91-6	4	192
300	Characterization of unusual bacteria isolated from respiratory secretions of cystic fibrosis patients and description of <i>Inquilinus limosus</i> gen. nov., sp. nov. <i>Journal of Clinical Microbiology</i> , <b>2002</b> , 40, 2062-9	9.7	192
299	Development of a <i>recA</i> gene-based identification approach for the entire <i>Burkholderia</i> genus. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 3917-27	4.8	181
298	Biofilm formation by <i>Propionibacterium acnes</i> is associated with increased resistance to antimicrobial agents and increased production of putative virulence factors. <i>Research in Microbiology</i> , <b>2007</b> , 158, 386-92	4	177
297	Intragenomic heterogeneity between multiple 16S ribosomal RNA operons in sequenced bacterial genomes. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 228, 45-9	2.9	161
296	An epidemic <i>Burkholderia cepacia</i> complex strain identified in soil. <i>Lancet, The</i> , <b>2002</b> , 359, 2002-3	40	147
295	Identification and population structure of <i>Burkholderia stabilis</i> sp. nov. (formerly <i>Burkholderia cepacia</i> genomovar IV). <i>Journal of Clinical Microbiology</i> , <b>2000</b> , 38, 1042-7	9.7	147
294	<i>Burkholderia anthina</i> sp. nov. and <i>Burkholderia pyrrocinia</i> , two additional <i>Burkholderia cepacia</i> complex bacteria, may confound results of new molecular diagnostic tools. <i>FEMS Immunology and Medical Microbiology</i> , <b>2002</b> , 33, 143-9		145
293	<i>Burkholderia</i> : an update on taxonomy and biotechnological potential as antibiotic producers. <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 5215-29	5.7	145
292	<i>Burkholderia mimosarum</i> sp. nov., isolated from root nodules of <i>Mimosa</i> spp. from Taiwan and South America. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 1847-1851	2.2	144
291	Electrospun cellulose acetate phthalate fibers for semen induced anti-HIV vaginal drug delivery. <i>Biomaterials</i> , <b>2012</b> , 33, 962-9	15.6	131
290	Phenotypic methods for determining genomovar status of the <i>Burkholderia cepacia</i> complex. <i>Journal of Clinical Microbiology</i> , <b>2001</b> , 39, 1073-8	9.7	125
289	<i>Arcobacter cibarius</i> sp. nov., isolated from broiler carcasses. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 713-717	2.2	123
288	Development of rRNA-based PCR assays for identification of <i>Burkholderia cepacia</i> complex isolates recovered from cystic fibrosis patients. <i>Journal of Clinical Microbiology</i> , <b>1999</b> , 37, 3167-70	9.7	123

287	Burkholderia cepacia genomovar III Is a common plant-associated bacterium. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 982-5	4.8	122
286	Towards a prokaryotic genomic taxonomy. <i>FEMS Microbiology Reviews</i> , <b>2005</b> , 29, 147-167	15.1	120
285	Quorum sensing inhibitors: how strong is the evidence?. <i>Trends in Microbiology</i> , <b>2013</b> , 21, 619-24	12.4	117
284	The Quorum Sensing Inhibitor Hamamelitannin Increases Antibiotic Susceptibility of Staphylococcus aureus Biofilms by Affecting Peptidoglycan Biosynthesis and eDNA Release. <i>Scientific Reports</i> , <b>2016</b> , 6, 20321	4.9	110
283	Real-time PCR expression profiling of genes encoding potential virulence factors in Candida albicans biofilms: identification of model-dependent and -independent gene expression. <i>BMC Microbiology</i> , <b>2010</b> , 10, 114	4.5	102
282	Antimicrobial Tolerance and Metabolic Adaptations in Microbial Biofilms. <i>Trends in Microbiology</i> , <b>2019</b> , 27, 850-863	12.4	101
281	Use of quorum sensing inhibitors to interfere with biofilm formation and development in Burkholderia multivorans and Burkholderia cenocepacia. <i>Research in Microbiology</i> , <b>2009</b> , 160, 144-51	4	101
280	Comparative assessment of genotyping methods for epidemiologic study of Burkholderia cepacia genomovar III. <i>Journal of Clinical Microbiology</i> , <b>2002</b> , 40, 3300-7	9.7	101
279	Development and evaluation of different normalization strategies for gene expression studies in Candida albicans biofilms by real-time PCR. <i>BMC Molecular Biology</i> , <b>2006</b> , 7, 25	4.5	100
278	Orthopaedic device-related infection: current and future interventions for improved prevention and treatment. <i>EFORT Open Reviews</i> , <b>2016</b> , 1, 89-99	5.5	97
277	Misidentification of Burkholderia cepacia in US cystic fibrosis treatment centers: an analysis of 1,051 recent sputum isolates. <i>Chest</i> , <b>2000</b> , 117, 1661-5	5.3	93
276	Biofilm-grown Burkholderia cepacia complex cells survive antibiotic treatment by avoiding production of reactive oxygen species. <i>PLoS ONE</i> , <b>2013</b> , 8, e58943	3.7	92
275	Towards a prokaryotic genomic taxonomy. <i>FEMS Microbiology Reviews</i> , <b>2005</b> , 29, 147-67	15.1	92
274	Classification of Ralstonia pickettii-like isolates from the environment and clinical samples as Ralstonia insidiosa sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1075-1080	2.2	90
273	Superoxide dismutases are involved in Candida albicans biofilm persistence against miconazole. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 4033-7	5.9	88
272	Updated version of the Burkholderia cepacia complex experimental strain panel. <i>Journal of Clinical Microbiology</i> , <b>2003</b> , 41, 2797-8	9.7	86
271	The plant defensin RsAFP2 induces cell wall stress, septin mislocalization and accumulation of ceramides in Candida albicans. <i>Molecular Microbiology</i> , <b>2012</b> , 84, 166-80	4.1	85
270	Proposal to accommodate Burkholderia cepacia genomovar VI as Burkholderia dolosa sp. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 689-691	2.2	84

269	Infection by <i>Ralstonia</i> species in cystic fibrosis patients: identification of <i>R. pickettii</i> and <i>R. mannitolilytica</i> by polymerase chain reaction. <i>Emerging Infectious Diseases</i> , <b>2002</b> , 8, 692-6	10.2	83
268	Structure-activity relationship of cinnamaldehyde analogs as inhibitors of AI-2 based quorum sensing and their effect on virulence of <i>Vibrio</i> spp. <i>PLoS ONE</i> , <b>2011</b> , 6, e16084	3.7	82
267	Role of PvdQ in <i>Pseudomonas aeruginosa</i> virulence under iron-limiting conditions. <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 49-59	2.9	81
266	Laser-induced vapour nanobubbles improve drug diffusion and efficiency in bacterial biofilms. <i>Nature Communications</i> , <b>2018</b> , 9, 4518	17.4	81
265	Evaluation of species-specific recA-based PCR tests for genomovar level identification within the <i>Burkholderia cepacia</i> complex. <i>Journal of Medical Microbiology</i> , <b>2002</b> , 51, 937-940	3.2	79
264	MomL, a novel marine-derived N-acyl homoserine lactonase from <i>Muricauda olearia</i> . <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 774-82	4.8	78
263	Fungicidal activity of miconazole against <i>Candida</i> spp. biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 694-700	5.1	78
262	Transport of nanoparticles in cystic fibrosis sputum and bacterial biofilms by single-particle tracking microscopy. <i>Nanomedicine</i> , <b>2013</b> , 8, 935-49	5.6	76
261	Effectiveness of different laser systems to kill <i>Enterococcus faecalis</i> in aqueous suspension and in an infected tooth model. <i>International Endodontic Journal</i> , <b>2009</b> , 42, 351-9	5.4	76
260	<i>Kerstersia gyiorum</i> gen. nov., sp. nov., a novel <i>Alcaligenes faecalis</i> -like organism isolated from human clinical samples, and reclassification of <i>Alcaligenes denitrificans</i> Røger and Tan 1983 as <i>Achromobacter denitrificans</i> comb. nov. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1825-31	2.2	76
259	Optimization of resazurin-based viability staining for quantification of microbial biofilms. <i>Journal of Microbiological Methods</i> , <b>2014</b> , 98, 31-4	2.8	75
258	Eradication of <i>Propionibacterium acnes</i> biofilms by plant extracts and putative identification of icariin, resveratrol and salidroside as active compounds. <i>Phytomedicine</i> , <b>2012</b> , 19, 409-12	6.5	74
257	<i>Chryseobacterium vrystaatense</i> sp. nov., isolated from raw chicken in a chicken-processing plant. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 2149-2153	2.2	72
256	Identification of <i>Pandoraea</i> species by 16S ribosomal DNA-based PCR assays. <i>Journal of Clinical Microbiology</i> , <b>2001</b> , 39, 4452-5	9.7	71
255	Evaluation of Nd:YAG and Er:YAG irradiation, antibacterial photodynamic therapy and sodium hypochlorite treatment on <i>Enterococcus faecalis</i> biofilms. <i>International Endodontic Journal</i> , <b>2012</b> , 45, 482-91	5.4	67
254	Ribosomal DNA-directed PCR for identification of <i>Achromobacter (Alcaligenes) xylosoxidans</i> recovered from sputum samples from cystic fibrosis patients. <i>Journal of Clinical Microbiology</i> , <b>2002</b> , 40, 1210-3	9.7	66
253	In vitro activity of ceftazidime, ciprofloxacin, meropenem, minocycline, tobramycin and trimethoprim/sulfamethoxazole against planktonic and sessile <i>Burkholderia cepacia</i> complex bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2009</b> , 64, 801-9	5.1	64
252	Antimicrobial nano-silver non-woven polyethylene terephthalate fabric via an atmospheric pressure plasma deposition process. <i>Scientific Reports</i> , <b>2015</b> , 5, 10138	4.9	63

251	Polypropylene grafted with smart polymers (PNIPAAm/PAAC) for loading and controlled release of vancomycin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2008</b> , 70, 467-77	5.7	63
250	Transport of nanoparticles and tobramycin-loaded liposomes in Burkholderia cepacia complex biofilms. <i>PLoS ONE</i> , <b>2013</b> , 8, e79220	3.7	62
249	Molecular mechanisms of chlorhexidine tolerance in Burkholderia cenocepacia biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 1912-9	5.9	62
248	Arcobacter thereius sp. nov., isolated from pigs and ducks. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2009</b> , 59, 2599-604	2.2	61
247	Achromobacter insolitus sp. nov. and Achromobacter spanius sp. nov., from human clinical samples. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1819-24	2.2	61
246	Extracting phylogenetic information from whole-genome sequencing projects: the lactic acid bacteria as a test case. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 3507-3517	2.9	60
245	Developing an international Pseudomonas aeruginosa reference panel. <i>MicrobiologyOpen</i> , <b>2013</b> , 2, 1010-1023	3.3	59
244	Isolation and identification of quorum quenching bacteria from environmental samples. <i>Journal of Microbiological Methods</i> , <b>2011</b> , 87, 213-9	2.8	59
243	Probing the size limit for nanomedicine penetration into Burkholderia multivorans and Pseudomonas aeruginosa biofilms. <i>Journal of Controlled Release</i> , <b>2014</b> , 195, 21-8	11.7	58
242	Utility of commercial systems for identification of Burkholderia cepacia complex from cystic fibrosis sputum culture. <i>Journal of Clinical Microbiology</i> , <b>2000</b> , 38, 3112-5	9.7	58
241	Methodologies for and evaluation of efficacy of antifungal and antibiofilm agents and surface coatings against fungal biofilms. <i>Microbial Cell</i> , <b>2018</b> , 5, 300-326	3.9	57
240	The Role of Efflux and Physiological Adaptation in Biofilm Tolerance and Resistance. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 12565-12572	5.4	55
239	Assessment of microbial diversity in biofilms recovered from endotracheal tubes using culture dependent and independent approaches. <i>PLoS ONE</i> , <b>2012</b> , 7, e38401	3.7	54
238	Use of PCR analyses to define the distribution of Ralstonia species recovered from patients with cystic fibrosis. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 3463-6	9.7	54
237	The Role of Reactive Oxygen Species in Antibiotic-Induced Cell Death in Burkholderia cepacia Complex Bacteria. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159837	3.7	54
236	AI-2 quorum-sensing inhibitors affect the starvation response and reduce virulence in several Vibrio species, most likely by interfering with LuxPQ. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 4114-4122	2.9	53
235	Multilocus restriction typing: a novel tool for studying global epidemiology of Burkholderia cepacia complex infection in cystic fibrosis. <i>Journal of Infectious Diseases</i> , <b>2002</b> , 185, 1454-62	7	53
234	Phenotypic characterization of an international Pseudomonas aeruginosa reference panel: strains of cystic fibrosis (CF) origin show less in vivo virulence than non-CF strains. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 1961-1977	2.9	53

233	Biofilm model systems for root canal disinfection: a literature review. <i>International Endodontic Journal</i> , <b>2019</b> , 52, 604-628	5.4	53
232	Evaluation of a new high-throughput method for identifying quorum quenching bacteria. <i>Scientific Reports</i> , <b>2013</b> , 3, 2935	4.9	52
231	Social interactions in the Burkholderia cepacia complex: biofilms and quorum sensing. <i>Future Microbiology</i> , <b>2010</b> , 5, 1087-99	2.9	52
230	Chryseobacterium piscium sp. nov., isolated from fish of the South Atlantic Ocean off South Africa. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 1317-1322	2.2	52
229	Characterization of mononucleotide repeats in sequenced prokaryotic genomes. <i>DNA Research</i> , <b>2005</b> , 12, 221-33	4.5	52
228	Lactobacillus oligofermentans sp. nov., associated with spoilage of modified-atmosphere-packaged poultry products. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 4400-6	4.8	52
227	Population structure analysis of Burkholderia cepacia genomovar III: varying degrees of genetic recombination characterize major clonal complexes. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 77-88	2.9	51
226	Transcriptional response of Burkholderia cenocepacia J2315 sessile cells to treatments with high doses of hydrogen peroxide and sodium hypochlorite. <i>BMC Genomics</i> , <b>2010</b> , 11, 90	4.5	50
225	Autoinducer-2 plays a crucial role in gut colonization and probiotic functionality of Bifidobacterium breve UCC2003. <i>PLoS ONE</i> , <b>2014</b> , 9, e98111	3.7	49
224	Cyclodextrin-functionalized biomaterials loaded with miconazole prevent Candida albicans biofilm formation in vitro. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 1398-404	10.8	48
223	Dressings Loaded with Cyclodextrin-Hamamelitannin Complexes Increase Staphylococcus aureus Susceptibility Toward Antibiotics Both in Single as well as in Mixed Biofilm Communities. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 859-69	5.5	48
222	Antibacterial activity of a porous silver doped TiO2 coating on titanium substrates synthesized by plasma electrolytic oxidation. <i>Applied Surface Science</i> , <b>2020</b> , 500, 144235	6.7	48
221	Injectable self-gelling composites for bone tissue engineering based on gellan gum hydrogel enriched with different bioglasses. <i>Biomedical Materials (Bristol)</i> , <b>2014</b> , 9, 045014	3.5	47
220	Organisation of the S10, spc and alpha ribosomal protein gene clusters in prokaryotic genomes. <i>FEMS Microbiology Letters</i> , <b>2005</b> , 242, 117-26	2.9	47
219	An Aspergillus flavus secondary metabolic gene cluster containing a hybrid PKS-NRPS is necessary for synthesis of the 2-pyridones, leporins. <i>Fungal Genetics and Biology</i> , <b>2015</b> , 81, 88-97	3.9	46
218	Involvement of toxin-antitoxin modules in Burkholderia cenocepacia biofilm persistence. <i>Pathogens and Disease</i> , <b>2014</b> , 71, 326-35	4.2	46
217	In vitro inhibition of Streptococcus mutans biofilm formation on hydroxyapatite by subinhibitory concentrations of anthraquinones. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 1541-4	5.9	46
216	Molecular epidemiology of Burkholderia species. <i>Frontiers in Bioscience - Landmark</i> , <b>2003</b> , 8, e55-67	2.8	44

215	Identification of Burkholderia species and genomovars from cystic fibrosis patients by AFLP fingerprinting. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>1999</b> , 49 Pt 4, 1657-66	2.2	44
214	Evaluation of the efficacy of disinfection procedures against Burkholderia cenocepacia biofilms. <i>Journal of Hospital Infection</i> , <b>2008</b> , 70, 361-8	6.9	43
213	Synthesis and evaluation of thiazolidinedione and dioxazaborocane analogues as inhibitors of AI-2 quorum sensing in Vibrio harveyi. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 660-7	3.4	42
212	Biofilm inhibitory and eradicating activity of wound care products against Staphylococcus aureus and Staphylococcus epidermidis biofilms in an in vitro chronic wound model. <i>Journal of Applied Microbiology</i> , <b>2013</b> , 114, 1833-42	4.7	42
211	Classification of Centers for Disease Control Group Eugonic Fermenter (EF)-4a and EF-4b as Neisseria animaloris sp. nov. and Neisseria zoodegmatis sp. nov., respectively. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2006</b> , 56, 1801-1805	2.2	42
210	Burkholderia phenoliruptrix sp. nov., to accommodate the 2,4,5-trichlorophenoxyacetic acid and halophenol-degrading strain AC1100. <i>Systematic and Applied Microbiology</i> , <b>2004</b> , 27, 623-7	4.2	42
209	Transmission of Burkholderia cepacia complex: evidence for new epidemic clones infecting cystic fibrosis patients in Italy. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 5136-42	9.7	41
208	Antimicrobial efficacy against Pseudomonas aeruginosa biofilm formation in a three-dimensional lung epithelial model and the influence of fetal bovine serum. <i>Scientific Reports</i> , <b>2017</b> , 7, 43321	4.9	40
207	The 285 kDa Bap/RTX hybrid cell surface protein (SO4317) of Shewanella oneidensis MR-1 is a key mediator of biofilm formation. <i>Research in Microbiology</i> , <b>2010</b> , 161, 144-52	4	40
206	Advenella incenata gen. nov., sp. nov., a novel member of the Alcaligenaceae, isolated from various clinical samples. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2005</b> , 55, 251-256	2.2	40
205	A quorum sensing-disrupting brominated thiophenone with a promising therapeutic potential to treat luminescent vibriosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e41788	3.7	40
204	Should standardized susceptibility testing for microbial biofilms be introduced in clinical practice?. <i>Clinical Microbiology and Infection</i> , <b>2018</b> , 24, 570-572	9.5	39
203	Enterococcus hermanniensis sp. nov., from modified-atmosphere-packaged broiler meat and canine tonsils. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 1823-1827	2.2	39
202	Differential roles of RND efflux pumps in antimicrobial drug resistance of sessile and planktonic Burkholderia cenocepacia cells. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 7424-9	5.9	38
201	Monitoring ALS1 and ALS3 gene expression during in vitro Candida albicans biofilm formation under continuous flow conditions. <i>Mycopathologia</i> , <b>2009</b> , 167, 9-17	2.9	38
200	Recovery of Burkholderia cenocepacia strain PHDC from cystic fibrosis patients in Europe. <i>Thorax</i> , <b>2004</b> , 59, 952-4	7.3	38
199	Use of the genomic signature in bacterial classification and identification. <i>Systematic and Applied Microbiology</i> , <b>2004</b> , 27, 175-85	4.2	38
198	In Vitro and In Vivo Biofilm Wound Models and Their Application. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 897, 15-32	3.6	37



197	Use of the gyrB gene for the identification of Pandoraea species. <i>FEMS Microbiology Letters</i> , <b>2002</b> , 208, 15-9	2.9	37
196	Ralstonia respiraculi sp. nov., isolated from the respiratory tract of cystic fibrosis patients. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1339-1342	2.2	37
195	A Topical Hydrogel with Deferiprone and Gallium-Protoporphyrin Targets Bacterial Iron Metabolism and Has Antibiofilm Activity. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	36
194	Microbial composition and antibiotic resistance of biofilms recovered from endotracheal tubes of mechanically ventilated patients. <i>Advances in Experimental Medicine and Biology</i> , <b>2015</b> , 830, 137-55	3.6	36
193	Chitosan functionalized poly-ε-caprolactone electrospun fibers and 3D printed scaffolds as antibacterial materials for tissue engineering applications. <i>Carbohydrate Polymers</i> , <b>2018</b> , 191, 127-135	10.3	36
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60	Interplay between host-microbe and microbe-microbe interactions in cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , <b>2020</b> , 19 Suppl 1, S47-S53	4.1	7
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44	Displacement of epsilon-proteobacterial core genes by horizontally transferred homologous genes. <i>Research in Microbiology</i> , <b>2005</b> , 156, 738-47	4	4
43	Genome update: rRNAs in sequenced microbial genomes. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 1113-1115	4	4
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