

CITATION REPORT

List of articles citing

Bacterial biofilms: a common cause of persistent infections

DOI: 10.1126/science.284.5418.1318
Science, 1999, 284, 1318-22.

Source: <https://exaly.com/paper-pdf/30494836/citation-report.pdf>

Version: 2024-04-26

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2237	Copyright. 1973 , iv		
2236	Short Notices. 1980 , XCV, 917-b-918		
2235	Human muscle pyruvate dehydrogenase activity. 1983 , 33, 51-6		10
2234	Presidential Address: The Cure for All Diseases. 1999 , 85, 996		1
2233	Second Home: Orphan Asylums and Poor Families in America. By Timothy A. Hacsí (Cambridge: Harvard University Press, 1997. x plus 297pp. \$39.95). 1999 , 32, 1002-1004		
2232	Functionality of probiotics and intestinal lactobacilli: light in the intestinal tract tunnel. 1999 , 10, 505-10		73
2231	Special cell surface structure, and novel macromolecule transport/depolymerization system of <i>Sphingomonas</i> sp A1. 1999 , 23, 425-435		12
2230	The search for unrecognized pathogens. <i>Science</i> , 1999 , 284, 1308-10	33.3	180
2229	Current scientific understanding of urinary tract infections in women: an overview. 1999 , 17, 336-8		5
2228	The development of bacterial biofilms on indwelling urethral catheters. 1999 , 17, 345-50		160
2227	Issues surrounding the prevention and management of device-related infections. 1999 , 17, 402-9		8
2226	Millennium bugs. 1999 , 15, M2-M5		2
2225	Millennium bugs. 1999 , 9, M2-M5		9
2224	Millennium bugs. 1999 , 24, M2-M5		12
2223	Genetic analyses of bacterial biofilm formation. 1999 , 2, 598-603		169
2222	Biology of Biofilms.. 1999 , 14, 163-172		1
2221	Peritoneal dialysis in the next millennium. 2000 , 7, 338-46		20

2220	Cyclooxygenase regulates human oropharyngeal carcinomas via the proinflammatory cytokine IL-6: a general role for inflammation?. 2000 , 14, 1499-507	47
2219	Biomaterials to prevent nosocomial infections: is silver the gold standard?. 2000 , 13, 389-393	63
2218	Adjunctive antibiotic/anticoagulant lock therapy in the treatment of bacteremia associated with the use of a subcutaneously implanted hemodialysis access device. 2000 , 46, 767-70	44
2217	Modeling biofilm antimicrobial resistance. 2000 , 68, 456-465	52
2216	Molecular Characterisation by Infrared Spectroscopy of Bordetella pertussis Grown as Biofilm. 2000 , 220, 635-640	7
2215	'Clay hutches': a novel interaction between bacteria and clay minerals. 2000 , 2, 161-8	95
2214	Pseudomonas entering the post-genomic era. 2000 , 2, 349-54	8
2213	A novel and sensitive method for the quantification of N-3-oxoacyl homoserine lactones using gas chromatography-mass spectrometry: application to a model bacterial biofilm. 2000 , 2, 530-41	258
2212	Antigen 43 facilitates formation of multispecies biofilms. 2000 , 2, 695-702	127
2211	AgfD, the checkpoint of multicellular and aggregative behaviour in Salmonella typhimurium regulates at least two independent pathways. 2000 , 36, 10-23	336
2210	The outer membrane protein, antigen 43, mediates cell-to-cell interactions within Escherichia coli biofilms. 2000 , 37, 424-32	265
2209	The effect of frequency and power density on the ultrasonically-enhanced killing of biofilm-sequestered Escherichia coli. 2000 , 17, 219-227	55
2208	Antimicrobial resistance with focus on oral beta-lactamases. 2000 , 108, 163-74	29
2207	Determination of slime-producing S. epidermidis specific antibodies in human immunoglobulin preparations and blood sera by an enzyme immunoassay: correlation of antibody titers with opsonic activity and application to preterm neonates. 2000 , 23, 363-74	18
2206	The nose as bacterial reservoir: important differences between the vestibule and cavity. 2000 , 110, 426-8	32
2205	Complete genome sequence of Pseudomonas aeruginosa PAO1, an opportunistic pathogen. 2000 , 406, 959-64	3373
2204	Bacterial genomics. Pump up the versatility. 2000 , 406, 947-8	51
2203	Mathematics. The Lorenz attractor exists. 2000 , 406, 948-9	158

2202	Quorum-sensing signals indicate that cystic fibrosis lungs are infected with bacterial biofilms. 2000 , 407, 762-4	1230
2201	Bacterial biofilms and infections. <i>Slimebusters</i> . 2000 , 408, 284-6	35
2200	The role of quorum sensing in the in vivo virulence of <i>Pseudomonas aeruginosa</i> . 2000 , 2, 1721-31	179
2199	The relationship between glycogen synthesis, biofilm formation and virulence in salmonella enteritidis. 2000 , 191, 31-6	78
2198	Biofilm formation as microbial development. 2000 , 54, 49-79	2344
2197	Pathogens and parasites: strategies and challenges. 2000 , 13, 19-29	3
2196	Causation of Crohn's disease by <i>Mycobacterium avium</i> subspecies paratuberculosis. 2000 , 14, 521-39	170
2195	Cohesiveness in biofilm matrix polymers. 2000 , 87-106	61
2194	An overview of biofilms as functional communities. 2000 , 1-24	19
2193	Naturally occurring biofilms on alfalfa and other types of sprouts. 2000 , 63, 625-32	131
2192	Biofilms in the New Millennium: musings from a peak in Xanadu. 2000 , 329-344	8
2191	Cyclooxygenase regulates human oropharyngeal carcinomas via the proinflammatory cytokine IL-6: a general role for inflammation?. 2000 , 14, 1499-1507	61
2190	A dose-response study of antibiotic resistance in <i>Pseudomonas aeruginosa</i> biofilms. 2000 , 44, 640-6	360
2189	Preliminary characterization of thin biofilms by optical microscopy. 2000 , 15, 253-260	7
2188	Effect of catalase on hydrogen peroxide penetration into <i>Pseudomonas aeruginosa</i> biofilms. 2000 , 66, 836-8	140
2187	<i>Streptococcus gordonii</i> biofilm formation: identification of genes that code for biofilm phenotypes. 2000 , 182, 1374-82	392
2186	Commensal interactions in a dual-species biofilm exposed to mixed organic compounds. 2000 , 66, 4481-5	75
2185	<i>Staphylococcus aureus</i> RN6390 replicates and induces apoptosis in a pulmonary epithelial cell line. 2000 , 68, 5385-92	176

2184	Quantification of biofilm structures by the novel computer program COMSTAT. 2000 , 146 (Pt 10), 2395-2407	1560
2183	Infectious complications associated with ventricular assist systems. 2000 , 46, S28-36	60
2182	Biofilms invade nephrology: effects in hemodialysis. 2000 , 18, 224-30	46
2181	Biofilm resistance to antimicrobial agents. 2000 , 146 (Pt 3), 547-549	236
2180	Medical device associated infections. 2000 , 46, S1	
2179	Role of biofilms in antimicrobial resistance. 2000 , 46, S47-52	211
2178	Activation and control of complement, inflammation, and infection associated with the use of biomedical polymers. 2000 , 46, S53-62	51
2177	Problem pulmonary pathogens: <i>Pseudomonas aeruginosa</i> . 2000 , 21, 331-9	10
2176	Competition in a Chemostat with Wall Attachment. 2000 , 61, 567-595	22
2175	Dynamic aspects of the structured cell population in a swarming colony of <i>Proteus mirabilis</i> . 2000 , 182, 385-93	54
2174	Effect of subinhibitory antibiotic concentrations on polysaccharide intercellular adhesin expression in biofilm-forming <i>Staphylococcus epidermidis</i> . 2000 , 44, 3357-63	300
2173	Development and dynamics of <i>Pseudomonas</i> sp. biofilms. 2000 , 182, 6482-9	261
2172	Swarming of <i>Pseudomonas aeruginosa</i> is dependent on cell-to-cell signaling and requires flagella and pili. 2000 , 182, 5990-6	615
2171	Inorganic polyphosphate is required for motility of bacterial pathogens. 2000 , 182, 225-7	131
2170	Exopolysaccharide production is required for development of <i>Escherichia coli</i> K-12 biofilm architecture. 2000 , 182, 3593-6	503
2169	Induction of colony-stimulating factor expression following <i>Staphylococcus</i> or <i>Salmonella</i> interaction with mouse or human osteoblasts. 2000 , 68, 5075-83	55
2168	Reverse transcriptase-PCR analysis of bacterial rRNA for detection and characterization of bacterial species in arthritis synovial tissue. 2000 , 68, 6012-26	102
2167	Phenotypic Plasticity in Bacterial Biofilms as It Affects Issues of Viability and Culturability. 2000 , 131-145	3

2166	Polyphosphate kinase is essential for biofilm development, quorum sensing, and virulence of <i>Pseudomonas aeruginosa</i> . 2000 , 97, 9636-41	271
2165	Establishment of an animal-bacterial association: recruiting symbiotic vibrios from the environment. 2000 , 97, 10231-5	233
2164	Bacterial primary colonization and early succession on surfaces in marine waters as determined by amplified rRNA gene restriction analysis and sequence analysis of 16S rRNA genes. 2000 , 66, 467-75	336
2163	The Ecology and Biogeography of Microorganisms on Plant Surfaces. 2000 , 38, 145-180	453
2162	Bacterial quorum sensing in pathogenic relationships. 2000 , 68, 4839-49	833
2161	<i>Mycobacterium tuberculosis</i> H37Rv comparative gene-expression analysis in synthetic medium and human macrophage. 2000 , 253, 281-91	41
2160	A ten year review of colomycin. 2000 , 94, 632-40	59
2159	Acyl-homoserine lactone quorum sensing in gram-negative bacteria: a signaling mechanism involved in associations with higher organisms. 2000 , 97, 8789-93	473
2158	The effects of salicylate on bacteria. 2000 , 32, 1029-43	109
2157	Analyzing the molecular foundations of commensalism in the mouse intestine. 2000 , 3, 79-85	65
2156	Chromosomal rearrangements affecting biofilm production and antibiotic resistance in a <i>Staphylococcus epidermidis</i> strain causing shunt-associated ventriculitis. 2000 , 290, 115-20	47
2155	<i>Legionella pneumophila</i> pathogenesis: a fateful journey from amoebae to macrophages. 2000 , 54, 567-613	312
2154	Impact of the agr quorum-sensing system on adherence to polystyrene in <i>Staphylococcus aureus</i> . 2000 , 182, 1688-93	375
2153	Programmed death in bacteria. 2000 , 64, 503-14	442
2152	Role of antibiotic penetration limitation in <i>Klebsiella pneumoniae</i> biofilm resistance to ampicillin and ciprofloxacin. 2000 , 44, 1818-24	648
2151	Alternative transcription factor sigma(B) is involved in regulation of biofilm expression in a <i>Staphylococcus aureus</i> mucosal isolate. 2000 , 182, 6824-6	201
2150	Microbial biofilms: from ecology to molecular genetics. 2000 , 64, 847-67	1983
2149	Force Measurements between Bacteria and Poly(ethylene glycol)-Coated Surfaces. 2000 , 16, 9155-9158	110

2148	Evolution of microbial pathogens. 2000 , 355, 695-704	53
2147	Infection-resistant nonleachable materials for urologic devices. 2000 , 14, 395-400	20
2146	Quorum sensing as a population-density-dependent determinant of bacterial physiology. 2001 , 45, 199-270	197
2145	Bacteriologic analyses of bile and brown pigment stones in patients with acute cholangitis. 2001 , 54, 340-5	25
2144	Catheter-associated urinary tract infections: impact of catheter materials on their management. 2001 , 17, 311-6	43
2143	Antifungal resistance of candidal biofilms formed on denture acrylic in vitro. 2001 , 80, 903-8	414
2142	Methods to detect and analyze phenotypic variation in biofilm-forming Staphylococci. 2001 , 336, 195-205	10
2141	Biofilm formation as a developmental process. 2001 , 336, 19-26	37
2140	Staphylococcus aureus Infection and Disease. 2001 ,	11
2139	The MBEC Assay System: multiple equivalent biofilms for antibiotic and biocide susceptibility testing. 2001 , 337, 377-85	99
2138	The intracellular function of extracellular signaling peptides. 2001 , 22, 1519-27	105
2137	Lettres des orateurs de sessions de communications orales en partenariat. 2001 , 31, 368s-409s	
2136	The evolution of social behavior in microorganisms. 2001 , 16, 178-183	421
2135	Diversity of the Burkholderia cepacia complex and implications for risk assessment of biological control strains. 2001 , 39, 225-58	283
2134	Isolation and biochemical characterization of extracellular polymeric substances from Pseudomonas aeruginosa. 2001 , 336, 302-14	118
2133	Ralstonia solanacearum needs motility for invasive virulence on tomato. 2001 , 183, 3597-605	243
2132	ABC transporters of staphylococci. 2001 , 152, 351-6	33
2131	Bacterial behavior at surfaces. 2001 , 4, 296-300	54

2130	Biocides, drug resistance and microbial evolution. 2001 , 4, 313-7	60
2129	Biofilms adhere to stay. 2001 , 9, 9-10	60
2128	Cystic fibrosis pathogenesis and the role of biofilms in persistent infection. 2001 , 9, 50-2	243
2127	Effect of vancomycin and rifampicin on methicillin-resistant <i>Staphylococcus aureus</i> biofilms. 2001 , 357, 40-1	63
2126	Antibiotic resistance of bacteria in biofilms. 2001 , 358, 135-8	3128
2125	Microbial disease in humans: A genomic perspective. 2001 , 6, 243-52	5
2124	Managing urinary encrustation in the indwelling catheter. 2001 , 28, 226-9	1
2123	Joint prosthetic infections: a success story. 2001 , 72, 553-6	56
2122	Monocyte chemoattractant protein-1 expression by osteoblasts following infection with <i>Staphylococcus aureus</i> or <i>Salmonella</i> . 2001 , 21, 297-304	43
2121	Bap, a <i>Staphylococcus aureus</i> surface protein involved in biofilm formation. 2001 , 183, 2888-96	595
2120	Biofilm formation by <i>Candida dubliniensis</i> . 2001 , 39, 3234-40	111
2119	Characterization of paired mucoid/non-mucoid <i>Pseudomonas aeruginosa</i> isolates from Danish cystic fibrosis patients: antibiotic resistance, beta-lactamase activity and RiboPrinting. 2001 , 48, 391-6	67
2118	Performance of a commercial immunoassay for detection and differentiation of periodontal marker bacteria: analysis of immunochemical performance with clinical samples. 2001 , 72, 1201-9	3
2117	Phenotype characterization of genetically defined microorganisms and growth of bacteriophage in biofilms. 2001 , 336, 163-74	8
2116	Biofilm formation by the fungal pathogen <i>Candida albicans</i> : development, architecture, and drug resistance. 2001 , 183, 5385-94	1157
2115	Quantification of expression of <i>Staphylococcus epidermidis</i> housekeeping genes with Taqman quantitative PCR during in vitro growth and under different conditions. 2001 , 183, 7094-101	136
2114	Standardized method for in vitro antifungal susceptibility testing of <i>Candida albicans</i> biofilms. 2001 , 45, 2475-9	552
2113	Biofilms in Peritoneal Dialysis. 2001 , 21, 213-217	21

2112	<i>Pseudomonas aeruginosa</i> and a proteomic approach to bacterial pathogenesis. 2001 , 17, 285-93	5
2111	Osteomyelitis and Septic Arthritis. 2001 , 213-246	
2110	Interactions of <i>Yersinia pestis</i> with its flea vector that lead to the transmission of plague. 2001 , 331-344	3
2109	Managing Urinary Encrustation in the Indwelling Catheter. 2001 , 28, 226-229	
2108	Genetic and phenotypic analysis of multicellular behavior in <i>Salmonella typhimurium</i> . 2001 , 336, 48-59	20
2107	<i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> : emerging pathogens in nosocomial infections. 2001 , 8, 102-7	34
2106	Genetic and chemical tools for investigating signaling processes in biofilms. 2001 , 336, 108-28	5
2105	Catheter-associated urinary tract infections. 2001 , 11, 75-9	55
2104	Current World Literature. 2001 , 11, 119-129	
2103	Flocculation and coflocculation of bacteria by yeasts. 2001 , 55, 777-81	30
2102	Biofilms: A Clinical Perspective. 2001 , 3, 483-486	10
2101	Immunoreactivity of 80-kDa peptidoglycan and teichoic acid-like substance of slime producing <i>S. epidermidis</i> and specificity of their antibodies studied by an enzyme immunoassay. 2001 , 24, 429-36	11
2100	A repeatable laboratory method for testing the efficacy of biocides against toilet bowl biofilms. 2001 , 91, 110-7	27
2099	Positive regulation of motility and flhDC expression by the RNA-binding protein CsrA of <i>Escherichia coli</i> . 2001 , 40, 245-56	315
2098	<i>Pseudomonas aeruginosa</i> GacA, a factor in multihost virulence, is also essential for biofilm formation. 2001 , 40, 1215-26	195
2097	In vitro interaction of bacteria with polypropylene/ePTFE prostheses. 2001 , 22, 2021-4	42
2096	Adhesion of <i>Lactococcus lactis</i> to model substrata: direct study of the interface. 2001 , 22, 171-182	59
2095	Growth rate and biofilm thickness of <i>Streptococcus sobrinus</i> and <i>Streptococcus mutans</i> on hydroxapatite. 2001 , 109, 155-60	11

2094	Laser-induced shock waves enhance sterilization of infected vascular prosthetic grafts. 2001 , 29, 448-54	13
2093	A comparison of the adhesion of mammalian cells and <i>Staphylococcus epidermidis</i> on fibronectin-modified polymer surfaces. 2001 , 56, 222-7	27
2092	Effect of plasma and matrix proteins on defensin-induced impairment of phagocytic killing by adherent neutrophils. 2001 , 57, 1-7	2
2091	Cell immobilization induces changes in the protein response of <i>Escherichia coli</i> K-12 to a cold shock. 2001 , 22, 2110-9	18
2090	Biofilme Die bevorzugte Lebensform der Bakterien: Flocken, Filme und Schlämme. 2001 , 31, 169-180	34
2089	The structure of a polysaccharide from infectious strains of <i>Burkholderia cepacia</i> . 2001 , 335, 45-54	90
2088	Bakers' yeast, a model for fungal biofilm formation. <i>Science</i> , 2001 , 291, 878-81	33-3 464
2087	Regulation of gene expression by cell-to-cell communication: acyl-homoserine lactone quorum sensing. 2001 , 35, 439-68	1123
2086	Coordinate gene regulation by fimbriae-induced signal transduction. 2001 , 20, 3074-81	68
2085	Mechanical circulatory support: expanding knowledge and experience in a challenging patient subset. 2001 , 27, 1245-6	
2084	Gene expression and protein levels of the stationary phase sigma factor, RpoS, in continuously-fed <i>Pseudomonas aeruginosa</i> biofilms. 2001 , 199, 67-71	54
2083	Biofilm culture of <i>Pseudomonas aeruginosa</i> expressing lux genes as a model to study susceptibility to antimicrobials. 2001 , 199, 115-8	17
2082	Fastidious gum: the <i>Xylella fastidiosa</i> exopolysaccharide possibly involved in bacterial pathogenicity. 2001 , 203, 165-71	68
2081	Characterization of biofilm growth and biocide susceptibility testing of <i>Mycobacterium phlei</i> using the MBEC assay system. 2001 , 203, 263-7	44
2080	Effects of mutating putative two-component systems on biofilm formation by <i>Streptococcus mutans</i> UA159. 2001 , 205, 225-30	59
2079	Toxic effect of rifampicin on human osteoblast-like cells. 2001 , 19, 950-4	48
2078	Direct evidence of bacterial biofilms in otitis media. 2001 , 111, 2083-94	214
2077	Mechanisms of biofilm formation in paper machine by <i>Bacillus</i> species: the role of <i>Deinococcus geothermalis</i> . 2001 , 27, 343-51	65

2076	Natural conjugative plasmids induce bacterial biofilm development. 2001 , 412, 442-5	512
2075	Force can overcome object geometry in the perception of shape through active touch. 2001 , 412, 445-8	255
2074	Gene expression in <i>Pseudomonas aeruginosa</i> biofilms. 2001 , 413, 860-4	885
2073	Whole-cell biocomputing. 2001 , 19, 317-23	96
2072	Effect of slime on adherence of <i>Staphylococcus aureus</i> isolated from bovine and ovine mastitis. 2001 , 78, 183-91	32
2071	gfp-based N-acyl homoserine-lactone sensor systems for detection of bacterial communication. 2001 , 67, 575-85	285
2070	Detection of differential gene expression in biofilm-forming versus planktonic populations of <i>Staphylococcus aureus</i> using micro-representational-difference analysis. 2001 , 67, 2958-65	128
2069	Evaluation of a tetracycline-inducible promoter in <i>Staphylococcus aureus</i> in vitro and in vivo and its application in demonstrating the role of sigB in microcolony formation. 2001 , 69, 7851-7	151
2068	Isolation and characterization of a highly specific serine endopeptidase from an oral strain of <i>Staphylococcus epidermidis</i> . 2001 , 382, 1095-9	28
2067	<i>Staphylococcus epidermidis</i> biofilms: importance and implications. 2001 , 50, 582-587	263
2066	<i>Streptococcus parasanguis</i> fimbria-associated adhesin fap1 is required for biofilm formation. 2001 , 69, 2512-9	97
2065	Bacterial biofilms and human disease. 2001 , 84, 235-54	92
2064	Biofilms and planktonic cells of <i>Pseudomonas aeruginosa</i> have similar resistance to killing by antimicrobials. 2001 , 183, 6746-51	668
2063	Phylogenetic Perspectives on the Vertebrate Immune System. 2001 ,	2
2062	QscR, a modulator of quorum-sensing signal synthesis and virulence in <i>Pseudomonas aeruginosa</i> . 2001 , 98, 2752-7	366
2061	Anaerobic conditions induce expression of polysaccharide intercellular adhesin in <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> . 2001 , 69, 4079-85	277
2060	The chaperone/usher pathways of <i>Pseudomonas aeruginosa</i> : identification of fimbrial gene clusters (cup) and their involvement in biofilm formation. 2001 , 98, 6911-6	250
2059	Growth phase-dependent invasion of <i>Pseudomonas aeruginosa</i> and its survival within HeLa cells. 2001 , 69, 4398-406	53

2058	The cep quorum-sensing system of Burkholderia cepacia H111 controls biofilm formation and swarming motility. 2001 , 147, 2517-2528	364
2057	The enterococcal surface protein, Esp, is involved in Enterococcus faecalis biofilm formation. 2001 , 67, 4538-45	418
2056	Cathelicidin peptides inhibit multiply antibiotic-resistant pathogens from patients with cystic fibrosis. 2001 , 45, 2838-44	110
2055	Drosophila as a model host for Pseudomonas aeruginosa infection. 2001 , 183, 1466-71	190
2054	Type 3 fimbrial shaft (MrkA) of Klebsiella pneumoniae, but not the fimbrial adhesin (MrkD), facilitates biofilm formation. 2001 , 69, 5805-12	84
2053	New developments in diagnosis and treatment of infection in orthopedic implants. 2001 , 33 Suppl 2, S94-106	275
2052	Green fluorescent protein as a novel indicator of antimicrobial susceptibility in Aureobasidium pullulans. 2001 , 67, 5614-20	33
2051	Investigating microbial (micro)colony heterogeneity by vibrational spectroscopy. 2001 , 67, 1461-9	206
2050	Protection against pulmonary infection with Pseudomonas aeruginosa following immunization with P. aeruginosa-pulsed dendritic cells. 2001 , 69, 4521-7	39
2049	Biofilm formation in a hydrodynamic environment by novel fimh variants and ramifications for virulence. 2001 , 69, 1322-8	106
2048	Alginate overproduction affects Pseudomonas aeruginosa biofilm structure and function. 2001 , 183, 5395-401	499
2047	Biofilm-induced gene expression and gene transfer. 2001 , 336, 84-94	9
2046	Riddle of biofilm resistance. 2001 , 45, 999-1007	1346
2045	Immunology of Staphylococcal biofilm infections in the eye: new tools to study biofilm endophthalmitis. 2002 , 21, 405-13	31
2044	Adhesion to bile drain materials and physicochemical surface properties of Enterococcus faecalis strains grown in the presence of bile. 2002 , 68, 3855-8	24
2043	Antifungal susceptibility of Candida biofilms: unique efficacy of amphotericin B lipid formulations and echinocandins. 2002 , 46, 1773-80	608
2042	Occurrence and phenotypic characterization of Yersinia ruckeri strains with biofilm-forming capacity in a rainbow trout farm. 2002 , 68, 470-5	50
2041	Comparison of biofilms formed by Candida albicans and Candida parapsilosis on bioprosthetic surfaces. 2002 , 70, 878-88	346

2040	A review of the science regarding dental unit waterlines. 2002 , 133, 1199-206; quiz 1260	37
2039	Multiple <i>Streptococcus mutans</i> Genes Are Involved in Biofilm Formation. 2002 , 68, 6283-91	158
2038	Surface sensing and adhesion of <i>Escherichia coli</i> controlled by the Cpx-signaling pathway. 2002 , 99, 2287-92	320
2037	NMR Experiments for Large Carbohydrates. 95-108	
2036	Influence of different cultivars on populations of ammonia-oxidizing bacteria in the root environment of rice. 2002 , 68, 3067-75	139
2035	The contribution of microbial virulence to wound infection. 2002 , 7, 10-14	7
2034	Interactions among strategies associated with bacterial infection: pathogenicity, epidemicity, and antibiotic resistance. 2002 , 15, 647-79	341
2033	Induction of <i>Staphylococcus epidermidis</i> biofilm formation by environmental factors: the possible involvement of the alternative transcription factor sigB. 2000 , 485, 159-66	22
2032	Tetracycline rapidly reaches all the constituent cells of uropathogenic <i>Escherichia coli</i> biofilms. 2002 , 46, 2458-61	72
2031	Lateral flagella and swarming motility in <i>Aeromonas</i> species. 2002 , 184, 547-55	96
2030	Single and combination antibiotic susceptibilities of planktonic, adherent, and biofilm-grown <i>Pseudomonas aeruginosa</i> isolates cultured from sputa of adults with cystic fibrosis. 2002 , 40, 4172-9	115
2029	Typing and subtyping of 83 clinical isolates purified from surgically implanted silicone feeding tubes by random amplified polymorphic DNA amplification. 2002 , 40, 414-21	19
2028	Phosphate deprivation is associated with high resistance to latamoxef of gel-entrapped, sessile-like <i>Escherichia coli</i> cells. 2002 , 49, 315-20	15
2027	Mixed species biofilms of <i>Candida albicans</i> and <i>Staphylococcus epidermidis</i> . 2002 , 51, 344-349	265
2026	Managing recurrent urinary catheter encrustation. 2002 , 7, 574, 576, 578-80	20
2025	Mucosal biofilm formation on middle-ear mucosa in the chinchilla model of otitis media. 2002 , 287, 1710-5	266
2024	Outer membranes and efflux: the path to multidrug resistance in Gram-negative bacteria. 2002 , 3, 77-98	121
2023	An attractive surface: gram-negative bacterial biofilms. 2002 , 2002, re6	26

2022	Modulation of the polysaccharide intercellular adhesin (PIA) expression in biofilm forming <i>Staphylococcus epidermidis</i> . Analysis of genetic mechanisms. 2000 , 485, 151-7	12
2021	<i>Listeria monocytogenes</i> relA and hpt mutants are impaired in surface-attached growth and virulence. 2002 , 184, 621-8	117
2020	Evidence for microbial biofilms in cholesteatomas. 2002 , 128, 1129-33	112
2019	Prevention of hemodialysis catheter-related bloodstream infection using an antimicrobial lock. 2002 , 20, 87-92	33
2018	<i>Lactobacillus helveticus</i> glycosyltransferases: from genes to carbohydrate synthesis. 2002 , 12, 319-27	30
2017	Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm bacteria by a halogenated furanone compound. 2002 , 148, 87-102	785
2016	Patterns of epithelial cell invasion by different species of the <i>Burkholderia cepacia</i> complex in well-differentiated human airway epithelia. 2002 , 70, 4547-55	69
2015	Statistical analysis of <i>Pseudomonas aeruginosa</i> biofilm development: impact of mutations in genes involved in twitching motility, cell-to-cell signaling, and stationary-phase sigma factor expression. 2002 , 68, 2008-17	241
2014	Human leukocytes adhere to, penetrate, and respond to <i>Staphylococcus aureus</i> biofilms. 2002 , 70, 6339-45	317
2013	Catabolite repression of <i>Escherichia coli</i> biofilm formation. 2002 , 184, 3406-10	143
2012	Influence of hydrodynamics and cell signaling on the structure and behavior of <i>Pseudomonas aeruginosa</i> biofilms. 2002 , 68, 4457-64	259
2011	Differential regulation of twitching motility and elastase production by Vfr in <i>Pseudomonas aeruginosa</i> . 2002 , 184, 3605-13	148
2010	Biofilms that Impact on Human Health. 2002 , 32, 153-158	1
2009	The relationship between periodontal disease attributes and <i>Helicobacter pylori</i> infection among adults in the United States. 2002 , 92, 1809-15	56
2008	Prevention of ventilator-associated pneumonia: selecting interventions that make a difference. 2002 , 121, 679-81	16
2007	Periprosthetic Total Hip Infection. 2002 , 403, 8-15	254
2006	Evaluating and managing open skin wounds: colonization versus infection. 2002 , 13, 382-97	104
2005	Introduction: microbial disease: recent studies show that novel extracellular components can enhance microbial resistance to lethal host chemicals and increase virulence. 2002 , 85, 1-11	4

2004	Microbial Adaptation and Survival in Foods. 2002 ,	5
2003	On the origin, evolution, and nature of programmed cell death: a timeline of four billion years. 2002 , 9, 367-93	417
2002	Characterization of Biofilm Formation by <i>Xylella fastidiosa</i> In Vitro. 2002 , 86, 633-638	62
2001	Silver-coated endotracheal tubes associated with reduced bacterial burden in the lungs of mechanically ventilated dogs. 2002 , 121, 863-70	142
2000	The Development of a Bioluminescence Assay to Compare the Efficacy of Biocides Incorporated into Plasticised PVC. 2002 , 18, 21-27	6
1999	Molecular Mechanisms of Quorum Sensing. 361-384	
1998	Subinhibitory bismuth-thiols reduce virulence of <i>Pseudomonas aeruginosa</i> . 2002 , 26, 731-8	36
1997	Clinical review: non-antibiotic strategies for preventing ventilator-associated pneumonia. 2002 , 6, 45-51	17
1996	Isolation of an <i>Escherichia coli</i> strain mutant unable to form biofilm on polystyrene and to adhere to human pneumocyte cells: involvement of tryptophanase. 2002 , 48, 132-7	49
1995	Expression of the biofilm-associated protein interferes with host protein receptors of <i>Staphylococcus aureus</i> and alters the infective process. 2002 , 70, 3180-6	103
1994	Firm but slippery attachment of <i>Deinococcus geothermalis</i> . 2002 , 184, 2473-80	66
1993	Confocal laser microscopic observation of glycocalyx production by <i>Staphylococcus aureus</i> in vitro. 2002 , 29, 54-61	20
1992	Effect of Polymer Surface Properties on the Reversibility of Attachment of <i>Pseudomonas aeruginosa</i> in the Early Stages of Biofilm Development. 2002 , 18, 65-71	58
1991	Biofilm formation and dispersal under the influence of the global regulator CsrA of <i>Escherichia coli</i> . 2002 , 184, 290-301	328
1990	Factors involved in the early pathogenesis of bovine <i>Staphylococcus aureus</i> mastitis with emphasis on bacterial adhesion and invasion. A review. 2002 , 24, 181-98	98
1989	The role of bacterial biofilms in ocular infections. 2002 , 21, 415-20	120
1988	Penetration of rifampin through <i>Staphylococcus epidermidis</i> biofilms. 2002 , 46, 900-3	148
1987	A ToxR homolog from <i>Vibrio anguillarum</i> serotype O1 regulates its own production, bile resistance, and biofilm formation. 2002 , 184, 1630-9	72

1986	Interactions between biocide cationic agents and bacterial biofilms. 2002 , 46, 1469-74	181
1985	The stringent response genes <i>relA</i> and <i>spoT</i> are important for <i>Escherichia coli</i> biofilms under slow-growth conditions. 2002 , 48, 675-80	56
1984	Evaluation of four experimental osteomyelitis infection models by using precolonized implants and bacterial suspensions. 2002 , 73, 11-9	28
1983	<i>Pseudomonas aeruginosa</i> quorum sensing: A target for anti-pathogenic drug discovery. 2002 , 207-212	1
1982	Efficacy of antimicrobial-impregnated silicone sections from penile implants in preventing device colonization in an animal model. 2002 , 59, 303-7	29
1981	Treatment of end-stage heart disease with outpatient ventricular assist devices. 2002 , 73, 1489-93; discussion 1493-4	23
1980	Importance of biofilm for water quality and nourishment in intensive shrimp culture. 2002 , 203, 263-278	158
1979	Biofilms: survival mechanisms of clinically relevant microorganisms. 2002 , 15, 167-93	4384
1978	Prosthetic joint infections in the elderly. 2002 , 12, 131-138	6
1977	Biofilms in orthopaedic surgery. 2002 , 12, 242-246	1
1976	The role of biofilm formation in percutaneous Kirschner-wire fixation of radial fractures. 2002 , 27, 365-8	7
1975	Mechanisms of antibiotic resistance in bacterial biofilms. 2002 , 292, 107-13	859
1974	The role of type 1 and curli fimbriae of Shiga toxin-producing <i>Escherichia coli</i> in adherence to abiotic surfaces. 2002 , 292, 195-205	133
1973	Participation of bacterial biofilms in refractory and chronic periapical periodontitis. 2002 , 28, 679-83	142
1972	Biofilm formation in medicated root canals. 2002 , 28, 689-93	239
1971	Biofilm testing of <i>Staphylococcus epidermidis</i> clinical isolates: low performance of vancomycin in relation to other antibiotics. 2002 , 44, 319-24	90
1970	Microbial and viral drug resistance mechanisms. 2002 , 10, S8-14	53
1969	Is there a role for quorum sensing signals in bacterial biofilms?. 2002 , 5, 254-8	202

1968	Bacterial Wall Attachment in a Flow Reactor. 2002 , 62, 1728-1771	15
1967	Extracellular DNA required for bacterial biofilm formation. <i>Science</i> , 2002 , 295, 1487	33.3 1451
1966	Bacterial adhesion: seen any good biofilms lately?. 2002 , 15, 155-66	1000
1965	Medical and surgical management of otitis media in children. 2002 , 35, 811-25	4
1964	Testing Antimicrobials Against Biofilm Bacteria. 2002 , 85, 479-485	18
1963	Regulation of capsule expression. 2002 , 115-138	1
1962	. 2002 ,	25
1961	Targeting Quorum Sensing for Treatment of Chronic Bacterial Biofilm Infections. 2002 , 33, 295-306	10
1960	Persistent infections and immunity in cystic fibrosis. 2002 , 7, d442-57	20
1959	Is a silver coating a silver lining?. 2002 , 121, 682-3	1
1958	Biofilm formation by nontypeable Haemophilus influenzae: strain variability, outer membrane antigen expression and role of pili. 2002 , 2, 7	133
1957	The effects of prior growth as a biofilm on the virulence of Salmonella typhimurium for mice. 2002 , 25, 43-8	9
1956	Patterns of infection in patients maintained on long-term peritoneal dialysis therapy with multiple episodes of peritonitis. 2002 , 39, 1278-86	72
1955	An opportune time to develop new strategies against repeat peritonitis in patients on peritoneal dialysis?. 2002 , 39, 1318-20	1
1954	Quinupristin/dalfopristin bonding in combination with intraperitoneal antibiotics prevent infection of knitted polyester graft material in a subcutaneous rat pouch model infected with resistant Staphylococcus epidermidis. 2002 , 24, 230-4	10
1953	Microbiology: breaking down biofilms. 2002 , 12, R132-4	37
1952	Oral bacteria in multi-species biofilms can be killed by red light in the presence of toluidine blue. 2002 , 31, 86-90	104
1951	Polymer surfaces derivatized with poly(vinyl-N-hexylpyridinium) kill airborne and waterborne bacteria. 2002 , 79, 465-71	305

1950	Prophylactic treatment of gram-positive and gram-negative abdominal implant infections using locally delivered polyclonal antibodies. 2002 , 60, 206-15	130
1949	Biofouling in water systems--cases, causes and countermeasures. 2002 , 59, 629-40	624
1948	Chitinase production in pine callus (<i>Pinus sylvestris</i> L.): a defense reaction against endophytes?. 2002 , 214, 848-52	30
1947	Survey of dental hygienists and healthcare workers for microorganisms in the oral cavity. 2002 , 8, 163-7	3
1946	Prinzipien der operativchirurgischen Therapie der Osteitis. 2002 , 4, 321-328	12
1945	Probiotics and food-allergic diseases. 2002 , 57 Suppl 72, 97-9	8
1944	Susceptibility of <i>Porphyromonas gingivalis</i> in biofilms to amoxicillin, doxycycline and metronidazole. 2002 , 17, 267-71	79
1943	Antibodies against beta-lactamase can improve ceftazidime treatment of lung infection with beta-lactam-resistant <i>Pseudomonas aeruginosa</i> in a rat model of chronic lung infection. 2002 , 110, 881-91	25
1942	Antiplatelet biocides and bacterial resistance: a review. 2002 , 29, 965-74	90
1941	Dental biofilms: difficult therapeutic targets. 2002 , 28, 12-55	701
1940	The effect of dental restorative materials on dental biofilm. 2002 , 110, 48-53	119
1939	Synthesis of new 3- and 4-substituted analogues of acyl homoserine lactone quorum sensing autoinducers. 2002 , 12, 325-8	85
1938	Adhesion of <i>Yersinia ruckeri</i> to fish farm materials: influence of cell and material surface properties. 2002 , 26, 373-378	42
1937	Molecular interactions in biofilms. 2002 , 9, 859-71	153
1936	Oral bacteria influenced by the functional status of the elderly people and the type and quality of facilities for the bedridden. 2002 , 93, 487-91	27
1935	Genome-wide analysis of the general stress response in <i>Bacillus subtilis</i> . 2001 , 41, 757-74	215
1934	The dynamic microbe: green fluorescent protein brings bacteria to light. 2002 , 45, 1191-6	101
1933	Genetic analysis of functions involved in the late stages of biofilm development in <i>Burkholderia cepacia</i> H111. 2002 , 46, 411-26	121

1932	Evaluating biofilm growth of two oral pathogens. 2002 , 35, 552-6	16
1931	Management of hemodialysis catheter-related bacteremia with an adjunctive antibiotic lock solution. 2002 , 61, 1136-42	201
1930	The silicone conundrum: a battle of anecdotes. 2002 , 28, 590-4	53
1929	Silicone injections revisited. 2002 , 28, 594-5	25
1928	Biofilms and infection in dialysis patients. 2002 , 15, 338-46	77
1927	The regulation of biofilm development by quorum sensing in <i>Aeromonas hydrophila</i> . 2002 , 4, 18-28	244
1926	Bacterial superinfection in human tungiasis. 2002 , 7, 559-64	120
1925	Immobilized-cell physiology: current data and the potentialities of proteomics. 2002 , 31, 201-212	50
1924	In vitro and in vivo antimicrobial activity of covalently coupled quaternary ammonium silane coatings on silicone rubber. 2002 , 23, 1417-23	395
1923	Polyclonal human antibodies reduce bacterial attachment to soft contact lens and corneal cell surfaces. 2002 , 23, 4565-72	13
1922	A mathematical model of quorum sensing in a growing bacterial biofilm. 2002 , 29, 339-46	52
1921	<i>Pseudomonas</i> biofilm formation and antibiotic resistance are linked to phenotypic variation. 2002 , 416, 740-3	746
1920	A component of innate immunity prevents bacterial biofilm development. 2002 , 417, 552-5	815
1919	Innate defense evicts bacterial squatters. 2002 , 3, 602-4	3
1918	Isolation of lacZ fusions to <i>Proteus mirabilis</i> genes regulated by intercellular signaling: potential role for the sugar phosphotransferase (Pts) system in regulation. 2002 , 217, 43-50	12
1917	Protease-containing silicates as active antifouling materials. 2002 , 18, 551-5	25
1916	Characterization of constitutive microflora of biofilms in dairy processing lines. 2002 , 19, 627-636	81
1915	Pathogenesis and prevention of biomaterial centered infections. 2002 , 13, 717-22	95

1914	Bacterial colonization of double J stents and bacteriuria frequency. 2002 , 34, 199-202	17
1913	Biofilms as complex differentiated communities. 2002 , 56, 187-209	2085
1912	Microstructural characteristics of thin biofilms through optical and scanning electron microscopy. 2003 , 19, 805-810	13
1911	Polymer Designs to Control Biofilm Growth on Medical Devices. 2003 , 2, 307-319	26
1910	Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. 2003 , 22, 3803-15	1019
1909	NMR Self-Diffusion of Molecular and Macromolecular Species in Dextran Solutions and Gels. 2003 , 36, 3189-3195	25
1908	Management of infection associated with prosthetic joints. 2003 , 31, 99-108	254
1907	Early development and quorum sensing in bacterial biofilms. 2003 , 47, 23-55	41
1906	The Freter model: a simple model of biofilm formation. 2003 , 47, 137-52	23
1905	Biofilms, bacterial signaling, and their ties to marine biology. 2003 , 30, 407-13	42
1904	Reduction of potential respiratory pathogens by oral hygienic treatment in patients undergoing endotracheal anesthesia. 2003 , 17, 84-91	25
1903	Phenotypic and genotypic characterization of bovine mastitis isolates of <i>Staphylococcus aureus</i> for biofilm formation. 2003 , 92, 179-85	218
1902	Building structured biomaterials using AC electrokinetics. 2003 , 22, 91-7	23
1901	Increased release of gentamicin from acrylic bone cements under influence of low-frequency ultrasound. 2003 , 92, 369-74	25
1900	How to build an adapted and bioactive cell microenvironment? A chemical interaction study of the structure of Ca-alginate matrices and their repercussion on confined cells. 2003 , 67, 376-88	31
1899	Antibacterial properties of nitric oxide-releasing sol-gels. 2003 , 67, 1276-83	65
1898	The release of gentamicin from acrylic bone cements in a simulated prosthesis-related interfacial gap. 2003 , 64, 1-5	30
1897	Photodestruction of human dental plaque bacteria: enhancement of the photodynamic effect by photomechanical waves in an oral biofilm model. 2003 , 33, 161-8	81

1896	Fluid shear contributions to bacteria cell detachment initiated by a monoclonal antibody. 2003 , 83, 65-74	23
1895	Chemical synthesis of S-ribosyl-L-homocysteine and activity assay as a LuxS substrate. 2003 , 13, 3897-900	45
1894	Development of a bioluminescent ATP assay to quantify mammalian and bacterial cell number from a mixed population. 2003 , 24, 27-34	25
1893	Immuno-allergological properties of aluminium oxide (Al ₂ O ₃) ceramics and nickel sulfate in humans. 2003 , 24, 959-66	18
1892	Biological efficacy of electroless-deposited silver on plasma activated polyurethane. 2003 , 24, 2759-65	122
1891	Positively charged biomaterials exert antimicrobial effects on gram-negative bacilli in rats. 2003 , 24, 2707-10	59
1890	Dilute and semi-dilute solution properties of an exopolysaccharide from Escherichia coli strain S61. 2003 , 52, 189-195	38
1889	The dependence of quorum sensing on the depth of a growing biofilm. 2003 , 65, 1053-79	46
1888	Ionophore resistance of ruminal bacteria and its potential impact on human health. 2003 , 27, 65-74	176
1887	Lateral flagella are required for increased cell adherence, invasion and biofilm formation by Aeromonas spp. 2003 , 224, 77-83	57
1886	Bacteria that express lateral flagella enable dissection of the multifunctional roles of flagella in pathogenesis. 2003 , 224, 151-9	78
1885	Systematic characterization of Escherichia coli genes/ORFs affecting biofilm formation. 2003 , 225, 107-14	36
1884	Diversity and dynamics of microbial communities in engineered environments and their implications for process stability. 2003 , 14, 270-6	327
1883	Influence of Enterococcus faecalis proteases and the collagen-binding protein, Ace, on adhesion to dentin. 2003 , 18, 121-6	102
1882	Real-time interaction of oral streptococci with human salivary components. 2003 , 18, 220-5	14
1881	Change of antibiotic susceptibility following periodontal therapy. A pilot study in aggressive periodontal disease. 2003 , 30, 222-9	10
1880	Periodontitis as an infectious disease: specific features and their implications. 2003 , 9 Suppl 1, 6-10	27
1879	Lack of biofilm contribution to bacterial colonisation in an experimental model of foreign body infection by Staphylococcus aureus and Staphylococcus epidermidis. 2003 , 35, 135-40	66

1878	The type III secretion chaperone FlgN regulates flagellar assembly via a negative feedback loop containing its chaperone substrates FlgK and FlgL. 2003 , 49, 1333-45	71
1877	Involvement of bacterial migration in the development of complex multicellular structures in <i>Pseudomonas aeruginosa</i> biofilms. 2003 , 50, 61-8	413
1876	Global impact of mature biofilm lifestyle on <i>Escherichia coli</i> K-12 gene expression. 2004 , 51, 659-74	350
1875	Genes involved in matrix formation in <i>Pseudomonas aeruginosa</i> PA14 biofilms. 2004 , 51, 675-90	511
1874	Assessment of bismuth thiols and conventional disinfectants on drinking water biofilms. 2003 , 95, 288-93	12
1873	Global gene expression in <i>Escherichia coli</i> biofilms. 2003 , 48, 253-67	432
1872	Development and maturation of <i>Escherichia coli</i> K-12 biofilms. 2003 , 48, 933-46	268
1871	Biofilm formation by <i>Pseudomonas aeruginosa</i> wild type, flagella and type IV pili mutants. 2003 , 48, 1511-24	740
1870	Sip, an integrase protein with excision, circularization and integration activities, defines a new family of mobile <i>Staphylococcus aureus</i> pathogenicity islands. 2003 , 49, 193-210	104
1869	The air-bubble method of locking central-vein catheters with acidified, concentrated sodium chloride as a bactericidal agent: in vitro studies. 2003 , 7, 311-9	5
1868	Air-bubble method of locking central-vein catheters for prevention of hub colonization: a pilot study. 2003 , 7, 320-5	2
1867	A wound-isolated <i>Pseudomonas aeruginosa</i> grows a biofilm in vitro within 10 hours and is visualized by light microscopy. 2003 , 29, 631-5	113
1866	Continuous peritoneal dialysis-associated peritonitis: a review and current concepts. 2003 , 16, 428-37	50
1865	Methods for biofilm analysis on silicone tubing of dialysis machines. 2003 , 27, 658-64	16
1864	Antibiotic-resistant <i>Propionibacteria acnes</i> may not be the major issue clinically or microbiologically in acne. 2003 , 148, 365-6	25
1863	Confocal laser scanning microscopic observation of glycocalyx production by <i>Staphylococcus aureus</i> in skin lesions of bullous impetigo, atopic dermatitis and pemphigus foliaceus. 2003 , 148, 526-32	61
1862	Carbon starvation survival of <i>Listeria monocytogenes</i> in planktonic state and in biofilm: a proteomic study. 2003 , 3, 2052-64	44
1861	A genetic basis for <i>Pseudomonas aeruginosa</i> biofilm antibiotic resistance. 2003 , 426, 306-10	851

1860	Bacterial communication: tiny teamwork. 2003 , 424, 134	72
1859	Understanding biofilm resistance to antibacterial agents. 2003 , 2, 114-22	1740
1858	Impaired blood polymorphonuclear leukocyte migration and infection risk in severe trauma. 2003 , 47, 148-54	12
1857	Induction and inhibition of <i>Pseudomonas aeruginosa</i> quorum sensing by synthetic autoinducer analogs. 2003 , 10, 81-9	259
1856	Self- and mutual-diffusion coefficients measurements by ³¹ P NMR 1D profiling and PFG-SE in dextran gels. 2003 , 162, 198-205	11
1855	Pathophysiology and management of pulmonary infections in cystic fibrosis. 2003 , 168, 918-51	1230
1854	Infecciones urinarias perioperatorias. 2003 , 29, 1-10	
1853	Viscoelastic properties of a mixed culture biofilm from rheometer creep analysis. 2003 , 19, 279-85	114
1852	Bacterial biofilms: a diagnostic and therapeutic challenge. 2003 , 1, 667-83	187
1851	Surface Functionalization Technique for Conferring Antibacterial Properties to Polymeric and Cellulosic Surfaces. 2003 , 19, 10295-10303	175
1850	Degradation of N-acylhomoserine lactones, the bacterial quorum-sensing molecules, by acylase. 2003 , 101, 89-96	79
1849	Systemic diseases in association with microbial species in oral biofilm from elderly requiring care. 2003 , 49, 301-9	76
1848	Increased expression of vanilloid receptor 1 on myelinated primary afferent neurons contributes to the antihyperalgesic effect of capsaicin cream in diabetic neuropathic pain in mice. 2003 , 306, 709-17	101
1847	Rhamnolipid surfactant production affects biofilm architecture in <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 185, 1027-36	568
1846	Assessment of <i>Streptococcus pyogenes</i> microcolony formation in infected skin by confocal laser scanning microscopy. 2003 , 32, 193-9	71
1845	Effect of fosfomycin alone and in combination with N-acetylcysteine on <i>E. coli</i> biofilms. 2003 , 22 Suppl 2, 95-100	80
1844	Severe Infections Caused by <i>Pseudomonas Aeruginosa</i> . 2003 ,	11
1843	Surface motility in <i>Pseudomonas</i> sp. DSS73 is required for efficient biological containment of the root-pathogenic microfungi <i>Rhizoctonia solani</i> and <i>Pythium ultimum</i> . 2003 , 149, 37-46	101

1842	Siderophore-Mediated Covalent Bonding to Metal (Oxide) Surfaces during Biofilm Initiation by <i>Pseudomonas aeruginosa</i> Bacteria. 2003 , 19, 3575-3577	65
1841	Type II protein secretion in <i>Pseudomonas aeruginosa</i> : the pseudopilus is a multifibrillar and adhesive structure. 2003 , 185, 2749-58	127
1840	Ecological and immunopathological implications of oral bacteria in <i>Helicobacter pylori</i> -infected disease. 2003 , 74, 123-8	25
1839	Bacterial biofilms: prokaryotic adventures in multicellularity. 2003 , 6, 578-85	219
1838	A continuum of anionic charge: structures and functions of D-alanyl-teichoic acids in gram-positive bacteria. 2003 , 67, 686-723	706
1837	Cell death in <i>Pseudomonas aeruginosa</i> biofilm development. 2003 , 185, 4585-92	457
1836	Pharmacological inhibition of quorum sensing for the treatment of chronic bacterial infections. 2003 , 112, 1300-7	466
1835	Bacterial biofilms: an emerging link to disease pathogenesis. 2003 , 57, 677-701	1148
1834	Biofilm formation and the presence of the intercellular adhesion locus <i>ica</i> among staphylococci from food and food processing environments. 2003 , 69, 5648-55	135
1833	<i>Escherichia coli</i> 83972 inhibits catheter adherence by a broad spectrum of uropathogens. 2003 , 61, 1059-62	58
1832	A "dock, lock, and latch" structural model for a staphylococcal adhesin binding to fibrinogen. 2003 , 115, 217-28	227
1831	Stimulation of <i>Staphylococcus epidermidis</i> growth and biofilm formation by catecholamine inotropes. 2003 , 361, 130-5	161
1830	New ways to stop biofilm infections. 2003 , 361, 97	54
1829	Infection in ventricular assist devices: prevention and treatment. 2003 , 75, S48-57	112
1828	Waterborne pathogens and dental waterlines. 2003 , 47, 545-57	9
1827	Molecular epidemiology of <i>Enterococcus faecalis</i> in liver transplant patients at University Hospital Groningen. 2003 , 55, 53-60	7
1826	Infections de prothèse articulaire. 2003 , 33, 231-239	3
1825	Bacterial multicellularity as a possible source of antibiotic resistance. 2003 , 60, 484-8	10

1824	Measuring the thickness of an outer layer of viable bacteria in an oral biofilm by viability mapping. 2003 , 54, 403-10	38
1823	Biofilm removal from silicone tubing: an assessment of the efficacy of dialysis machine decontamination procedures using an in vitro model. 2003 , 53, 64-71	74
1822	Isolation and identification of biofilm microorganisms from silicone gastrostomy devices. 2003 , 38, 216-20	29
1821	Managing recurrent urinary catheter blockage: problems, promises, and practicalities. 2003 , 30, 146-51	6
1820	Are there biofilm-specific physiological pathways beyond a reasonable doubt?. 2003 , 154, 1-8	83
1819	Quorum sensing-dependent biofilms enhance colonization in <i>Vibrio cholerae</i> . 2003 , 5, 647-56	414
1818	<i>Candida</i> biofilms and their role in infection. 2003 , 11, 30-6	843
1817	Source Control. 2003 ,	3
1816	Contributions of antibiotic penetration, oxygen limitation, and low metabolic activity to tolerance of <i>Pseudomonas aeruginosa</i> biofilms to ciprofloxacin and tobramycin. 2003 , 47, 317-23	669
1815	Covalent Attachment of Poly(ethylene glycol) to Surfaces, Critical for Reducing Bacterial Adhesion. 2003 , 19, 6912-6921	298
1814	Heavy metal resistance of biofilm and planktonic <i>Pseudomonas aeruginosa</i> . 2003 , 69, 2313-20	510
1813	Biofilm formation by hyperpilated mutants of <i>Pseudomonas aeruginosa</i> . 2003 , 185, 2374-8	137
1812	Microarray analysis of <i>Pseudomonas aeruginosa</i> quorum-sensing regulons: effects of growth phase and environment. 2003 , 185, 2080-95	749
1811	Quorum sensing : a novel target for the treatment of biofilm infections. 2003 , 17, 241-50	106
1810	<i>Klebsiella pneumoniae</i> MrkD-mediated biofilm formation on extracellular matrix- and collagen-coated surfaces. 2003 , 149, 2397-2405	116
1809	Prophylaxis against dialysis catheter-related bacteremia with a novel antimicrobial lock solution. 2003 , 36, 1539-44	120
1808	Role of nutrient limitation and stationary-phase existence in <i>Klebsiella pneumoniae</i> biofilm resistance to ampicillin and ciprofloxacin. 2003 , 47, 1251-6	243
1807	Alterations in the formation of lipopolysaccharide and membrane vesicles on the surface of <i>Pseudomonas aeruginosa</i> PAO1 under oxygen stress conditions. 2003 , 149, 2789-2795	103

1806	Microbial diversity of biofilms in dental unit water systems. 2003 , 69, 3412-20	73
1805	Biofilm-forming ability of <i>Candida albicans</i> is unlikely to contribute to high levels of oral yeast carriage in cases of human immunodeficiency virus infection. 2003 , 41, 2961-7	174
1804	Use of in-biofilm expression technology to identify genes involved in <i>Pseudomonas aeruginosa</i> biofilm development. 2003 , 185, 2700-10	63
1803	Quorum-sensing-directed protein expression in <i>Serratia proteamaculans</i> B5a. 2003 , 149, 471-483	113
1802	Functional CD40 expression induced following bacterial infection of mouse and human osteoblasts. 2003 , 71, 1209-16	26
1801	Significant microbiological effect of inhaled tobramycin in young children with cystic fibrosis. 2003 , 167, 841-9	257
1800	Iron deficiency leads to inhibition of oxygen transfer and enhanced formation of virulence factors in cultures of <i>Pseudomonas aeruginosa</i> PAO1. 2003 , 149, 2627-2634	61
1799	RNA III inhibiting peptide inhibits in vivo biofilm formation by drug-resistant <i>Staphylococcus aureus</i> . 2003 , 47, 1979-83	108
1798	Oriented adhesion of <i>Escherichia coli</i> to polystyrene particles. 2003 , 69, 6515-9	61
1797	Differential expression of the <i>Escherichia coli</i> autoaggregation factor antigen 43. 2003 , 185, 2236-42	89
1796	Prophylactic efficacy of linezolid alone or combined with levofloxacin and vancomycin in a rat subcutaneous pouch model of graft infection caused by <i>Staphylococcus epidermidis</i> with intermediate resistance to glycopeptides. 2003 , 52, 724-6	10
1795	The susceptibility of ionophore-resistant <i>Clostridium aminophilum</i> F to other antibiotics. 2003 , 52, 623-8	12
1794	Adhesive surface proteins of <i>Erysipelothrix rhusiopathiae</i> bind to polystyrene, fibronectin, and type I and IV collagens. 2003 , 185, 2739-48	75
1793	Use of the quorum-sensing inhibitor RNAIII-inhibiting peptide to prevent biofilm formation in vivo by drug-resistant <i>Staphylococcus epidermidis</i> . 2003 , 187, 625-30	146
1792	DsbA of <i>Pseudomonas aeruginosa</i> is essential for multiple virulence factors. 2003 , 71, 1590-5	90
1791	Real-time monitoring of bacterial infection in vivo: development of bioluminescent staphylococcal foreign-body and deep-thigh-wound mouse infection models. 2003 , 47, 2740-8	58
1790	Biofilm formation by <i>Pseudomonas aeruginosa</i> : role of the C4-HSL cell-to-cell signal and inhibition by azithromycin. 2003 , 52, 598-604	135
1789	The Role of Biofilms in the Uptake and Transformation of Dissolved Organic Matter. 2003 , 285-313	18

1788	Biofilm formation by a fimbriae-deficient mutant of <i>Actinobacillus actinomycetemcomitans</i> . 2003 , 47, 877-81	32
1787	Alginate is not a significant component of the extracellular polysaccharide matrix of PA14 and PAO1 <i>Pseudomonas aeruginosa</i> biofilms. 2003 , 100, 7907-12	337
1786	Prophylactic efficacy of topical temporin A and RNAIII-inhibiting peptide in a subcutaneous rat Pouch model of graft infection attributable to staphylococci with intermediate resistance to glycopeptides. 2003 , 108, 767-71	71
1785	DENTAL WATERLINES: Authors' response. 2003 , 134, 275-276	
1784	The role of therapeutic antimicrobial mouthrinses in clinical practice: control of supragingival plaque and gingivitis. 2003 , 134, 699-704	57
1783	Inhibition of HIV infectivity by a natural human isolate of <i>Lactobacillus jensenii</i> engineered to express functional two-domain CD4. 2003 , 100, 11672-7	141
1782	Aggregation of yeast cells: direct measurement of discrete lectin-carbohydrate interactions. 2003 , 149, 2873-2878	90
1781	Highly adherent small-colony variants of <i>Pseudomonas aeruginosa</i> in cystic fibrosis lung infection. 2003 , 52, 295-301	170
1780	Lysostaphin disrupts <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> biofilms on artificial surfaces. 2003 , 47, 3407-14	225
1779	A <i>Caenorhabditis elegans</i> model of <i>Yersinia</i> infection: biofilm formation on a biotic surface. 2003 , 149, 3221-3229	100
1778	Differential survival of solitary and aggregated bacterial cells promotes aggregate formation on leaf surfaces. 2003 , 100, 15977-82	188
1777	Rapid direct method for monitoring antibiotics in a mouse model of bacterial biofilm infection. 2003 , 47, 3130-7	86
1776	Bacterial diversity in cases of lung infection in cystic fibrosis patients: 16S ribosomal DNA (rDNA) length heterogeneity PCR and 16S rDNA terminal restriction fragment length polymorphism profiling. 2003 , 41, 3548-58	168
1775	Periodicity of cell attachment patterns during <i>Escherichia coli</i> biofilm development. 2003 , 185, 5632-8	33
1774	Direct continuous method for monitoring biofilm infection in a mouse model. 2003 , 71, 882-90	191
1773	Role of capsular colanic acid in adhesion of uropathogenic <i>Escherichia coli</i> . 2003 , 69, 4474-81	97
1772	Growth, development, and gene expression in a persistent <i>Streptococcus gordonii</i> biofilm. 2003 , 71, 4759-66	62
1771	Mechanism of fluconazole resistance in <i>Candida albicans</i> biofilms: phase-specific role of efflux pumps and membrane sterols. 2003 , 71, 4333-40	394

1770	Anatomical evidence of microbial biofilms in tonsillar tissues: a possible mechanism to explain chronicity. 2003 , 129, 634-6	130
1769	Temporary vascular access for hemodialysis treatment. Current guidelines and future directions. 2004 , 142, 94-111	3
1768	Effects of biofilm formation on haemodialysis monitor disinfection. 2003 , 18, 2105-11	19
1767	Developing new polysaccharides. 2003 , 275-320	7
1766	<i>Pseudomonas aeruginosa</i> infections in the intensive care unit. 2003 , 24, 61-8	14
1765	The role of biofilms in airway disease. 2003 , 24, 663-70	16
1764	Alanylation of teichoic acids protects <i>Staphylococcus aureus</i> against Toll-like receptor 2-dependent host defense in a mouse tissue cage infection model. 2003 , 188, 414-23	105
1763	<i>Pseudomonas aeruginosa</i> : role in the pathogenesis of the CF lung lesion. 2003 , 24, 671-80	15
1762	Aging, Immunity, and Infection. 2003 ,	6
1761	Molecular and antibiofilm approaches to prosthetic joint infection. 2003 , 69-88	208
1760	Post-traumatic osteomyelitis: analysis of inflammatory cells recruited into the site of infection. 2003 , 20, 503-10	68
1759	Advances in the laboratory diagnosis of prosthetic joint infection. 2003 , 14, 1-14	53
1758	A Wound-Isolated <i>Pseudomonas aeruginosa</i> Grows a Biofilm In Vitro Within 10 Hours and Is Visualized by Light Microscopy. 2003 , 29, 631-635	49
1757	Managing Recurrent Urinary Catheter Blockage. 2003 , 30, 146-151	6
1756	Approach to resistant gram-negative bacterial pulmonary infections in patients with cystic fibrosis. 2003 , 9, 509-15	59
1755	Gentamicin may have an adverse effect on osteogenesis. 2003 , 17, 212-6	124
1754	Oral Streptococcal Genes That Encode Biofilm Formation. 2003 , 189-211	3
1753	Routine replacement of tunneled, cuffed, hemodialysis catheters eliminates paraspinal/vertebral infections in patients with catheter-associated bacteremia. 2003 , 23, 202-7	33

1752	[Biofilm: set-up and organization of a bacterial community]. 2003 , 19, 77-83	30
1751	Preface. 2003 , xi-xiv	
1750	The Stag Hunt. 2003 , 1-14	3
1749	LOCATION. 2003 , 15-16	
1748	Bargaining with Neighbors. 2003 , 17-30	
1747	Stag Hunt with Neighbors. 2003 , 31-44	1
1746	SIGNALS. 2003 , 45-48	
1745	Evolution of Inference. 2003 , 49-64	
1744	Cheap Talk. 2003 , 65-82	
1743	Association. 2003 , 83-86	
1742	Choosing Partners. 2003 , 87-104	
1741	Coevolution of Structure and Strategy. 2003 , 105-122	
1740	Postscript. 2003 , 123-124	
1739	Notes. 2003 , 125-132	
1738	Bibliography. 2003 , 133-146	
1737	Biofilms, dormancy and resistance. 2003 , 161-180	2
1736	Basics of Biofilm in Clinical Otolaryngology. 2003 , 82, 18-20	11
1735	. 2003 ,	21

1734	Antimicrobial Agents and Biofilms. 2003 , 36-56	3
1733	Intravascular-Catheter-Related Infections. 2003 , 86-109	
1732	<i>Pseudomonas aeruginosa</i> Biofilms in Lung Infections. 2003 , 287-310	
1731	Iron acquisition and its control in <i>Pseudomonas aeruginosa</i> : many roads lead to Rome. 2003 , 8, d661-86	179
1730	New approaches for anti-infective drug discovery: antibiotics, vaccines and beyond. 2003 , 3, 66-75	4
1729	Quorum Sensing and Microbial Biofilms. 2003 , 18-35	
1728	Dosagem de interleucina 1beta na doena periodontal. 2003 , 69, 186-191	
1727	Comparative biochemical and molecular evaluation of swarming of <i>Proteus</i> and effects of anti-swarm agents. 2004 , 3, 99-104	2
1726	Colonization by <i>Porphyromonas gingivalis</i> and <i>Prevotella intermedia</i> from teeth to osseointegrated implant regions. 2004 , 45, 77-85	23
1725	<i>Mycobacterium tuberculosis</i> : new tricks for an old bug. 2004 , 2, 467-9	2
1724	. 2004 ,	20
1723	Treatment of dialysis catheter infections in 2004. 2004 , 5, 99-108	10
1722	<i>Helicobacter pylori</i> . 2004 , 91-123	
1721	Attachment and biofilm formation by <i>Escherichia coli</i> O157:H7 on stainless steel as influenced by exopolysaccharide production, nutrient availability, and temperature. 2004 , 67, 2123-31	67
1720	Drinking water pipe biofilm: present knowledge, concepts and significance. 2004 , 4, 115-124	3
1719	Virulence factors of the coagulase-negative staphylococci. 2004 , 9, 841-63	134
1718	Quorum sensing: a primer for food microbiologists. 2004 , 67, 1053-70	105
1717	Proteomics of Biofilm Bacteria. 2004 , 1, 211-219	10

1716	Solute size effects on the diffusion in biofilms of <i>Streptococcus mutans</i> . 2004 , 20, 189-201	24
1715	Loss of <i>srf-3</i> -encoded nucleotide sugar transporter activity in <i>Caenorhabditis elegans</i> alters surface antigenicity and prevents bacterial adherence. 2004 , 279, 30440-8	63
1714	Evidence of bacterial biofilms in human chronic sinusitis. 2004 , 66, 155-8	144
1713	[Vascular access for hemodialysis: will the tunnelled atrial catheter solve the problems?]. 2004 , 129, 2527-8	1
1712	Lipopeptides, focusing on daptomycin, for the treatment of Gram-positive infections. 2004 , 13, 1159-69	66
1711	Can virulence factors be viable antibacterial targets?. 2004 , 2, 61-72	36
1710	Transmission of <i>Yersinia pestis</i> from an infectious biofilm in the flea vector. 2004 , 190, 783-92	216
1709	A movable surface: formation of <i>Yersinia</i> sp. biofilms on motile <i>Caenorhabditis elegans</i> . 2004 , 186, 5087-92	47
1708	Sialylation of lipooligosaccharides promotes biofilm formation by nontypeable <i>Haemophilus influenzae</i> . 2004 , 72, 106-13	116
1707	<i>Listeria monocytogenes</i> : biofilm formation and persistence in food-processing environments. 2004 , 1, 107-121	227
1706	Extracellular phospholipids of isolated bacterial communities. 2004 , 1, 149-155	12
1705	Growth limitation of <i>Staphylococcus epidermidis</i> in biofilms contributes to rifampin tolerance. 2004 , 1, 31-35	22
1704	Nanoscale investigation of pathogenic microbial adhesion to a biomaterial. 2004 , 70, 6012-22	111
1703	Identification of two new genes involved in twitching motility in <i>Pseudomonas aeruginosa</i> . 2004 , 150, 2653-2661	18
1702	Increased colonization of indwelling medical devices by quorum-sensing mutants of <i>Staphylococcus epidermidis</i> in vivo. 2004 , 190, 1498-505	180
1701	Quantitative analyses of <i>Streptococcus mutans</i> biofilms with quartz crystal microbalance, microjet impingement and confocal microscopy. 2004 , 1, 277-284	52
1700	Complete sequence and evolutionary genomic analysis of the <i>Pseudomonas aeruginosa</i> transposable bacteriophage D3112. 2004 , 186, 400-10	69
1699	A putative sugar-binding transcriptional regulator in a novel gene locus in <i>Enterococcus faecalis</i> contributes to production of biofilm and prolonged bacteremia in mice. 2004 , 189, 420-30	94

1698	Esp-independent biofilm formation by <i>Enterococcus faecalis</i> . 2004 , 186, 154-63	194
1697	Biofilm formation by <i>Neisseria meningitidis</i> . 2004 , 72, 6132-8	72
1696	Prebiotic carbohydrates modify the mucosa associated microflora of the human large bowel. 2004 , 53, 1610-6	261
1695	Virulence Factors in <i>Pseudomonas Aeruginosa</i> . 2004 , 3-45	26
1694	Iron availability, oxygen limitation, <i>Pseudomonas aeruginosa</i> and cystic fibrosis. 2004 , 150, 516-518	5
1693	An adenylate cyclase-controlled signaling network regulates <i>Pseudomonas aeruginosa</i> virulence in a mouse model of acute pneumonia. 2004 , 72, 1677-84	107
1692	Effect of tetracycline on transfer and establishment of the tetracycline-inducible conjugative transposon Tn916 in the guts of gnotobiotic rats. 2004 , 70, 758-64	50
1691	Effects of antibiotics on <i>Pseudomonas aeruginosa</i> NK125502 and <i>Pseudomonas fluorescens</i> MF0 biofilm formation on immobilized fibronectin. 2004 , 16, 244-7	5
1690	A chimeric peptide composed of a dermaseptin derivative and an RNA III-inhibiting peptide prevents graft-associated infections by antibiotic-resistant staphylococci. 2004 , 48, 2544-50	51
1689	Penetration of <i>Candida</i> biofilms by antifungal agents. 2004 , 48, 3291-7	181
1688	Biofilm formation in <i>Pseudomonas aeruginosa</i> : fimbrial cup gene clusters are controlled by the transcriptional regulator MvaT. 2004 , 186, 2880-90	116
1687	Initial Phases of biofilm formation in <i>Shewanella oneidensis</i> MR-1. 2004 , 186, 8096-104	151
1686	Catheter-associated infections: pathogenesis affects prevention. 2004 , 164, 842-50	193
1685	Suppression of drug-resistant Staphylococcal Infections by the quorum-sensing inhibitor RNAIII-inhibiting peptide. 2004 , 190, 318-20	68
1684	Loss of microbicidal activity and increased formation of biofilm due to decreased lactoferrin activity in patients with cystic fibrosis. 2004 , 190, 1245-53	133
1683	Temporin A soaking in combination with intraperitoneal linezolid prevents vascular graft infection in a subcutaneous rat pouch model of infection with <i>Staphylococcus epidermidis</i> with intermediate resistance to glycopeptides. 2004 , 48, 3162-4	7
1682	Characterization of cell-to-cell signaling-deficient <i>Pseudomonas aeruginosa</i> strains colonizing intubated patients. 2004 , 42, 554-62	62
1681	Biofilm formation in vitro and virulence in vivo of mutants of <i>Klebsiella pneumoniae</i> . 2004 , 72, 4888-90	35

1680	Biofilm-defective mutants of <i>Bacillus subtilis</i> . 2004 , 8, 177-88	24
1679	Biofilm formation by <i>Stenotrophomonas maltophilia</i> : modulation by quinolones, trimethoprim-sulfamethoxazole, and ceftazidime. 2004 , 48, 151-60	121
1678	Oxygen limitation contributes to antibiotic tolerance of <i>Pseudomonas aeruginosa</i> in biofilms. 2004 , 48, 2659-64	330
1677	Detachment characteristics and oxacillin resistance of <i>Staphylococcus aureus</i> biofilm emboli in an in vitro catheter infection model. 2004 , 186, 4486-91	196
1676	Novel roles for the AIDA adhesin from diarrheagenic <i>Escherichia coli</i> : cell aggregation and biofilm formation. 2004 , 186, 8058-65	145
1675	Control of glucose- and NaCl-induced biofilm formation by <i>rbf</i> in <i>Staphylococcus aureus</i> . 2004 , 186, 722-9	150
1674	Capsule shields the function of short bacterial adhesins. 2004 , 186, 1249-57	163
1673	Correlation between detection rates of periodontopathic bacterial DNA in coronary stenotic artery plaque [corrected] and in dental plaque samples. 2004 , 42, 1313-5	104
1672	Helix induction in antimicrobial peptides by alginate in biofilms. 2004 , 279, 38749-54	74
1671	Effects of subinhibitory concentrations of macrolide antibiotics on <i>Pseudomonas aeruginosa</i> . 2004 , 125, 62S-69S; quiz 69S	129
1670	Detection of virulence-associated genes not useful for discriminating between invasive and commensal <i>Staphylococcus epidermidis</i> strains from a bone marrow transplant unit. 2004 , 42, 5614-9	109
1669	Development and characterization of an in vivo central venous catheter <i>Candida albicans</i> biofilm model. 2004 , 72, 6023-31	301
1668	Characterization of monospecies biofilm formation by <i>Helicobacter pylori</i> . 2004 , 186, 3124-32	155
1667	Analysis of quorum sensing-deficient clinical isolates of <i>Pseudomonas aeruginosa</i> . 2004 , 53, 841-853	158
1666	Specialized persister cells and the mechanism of multidrug tolerance in <i>Escherichia coli</i> . 2004 , 186, 8172-80	663
1665	Modeling antibiotic tolerance in biofilms by accounting for nutrient limitation. 2004 , 48, 48-52	70
1664	Control of <i>Listeria monocytogenes</i> in a biofilm by competitive-exclusion microorganisms. 2004 , 70, 3996-4003	107
1663	<i>Pseudomonas aeruginosa</i> autoinducer enters and functions in mammalian cells. 2004 , 186, 2281-7	70

1662	Multilayer polyelectrolyte films functionalized by insertion of defensin: a new approach to protection of implants from bacterial colonization. 2004 , 48, 3662-9	172
1661	Sputum versus bronchoscopy for diagnosis of <i>Pseudomonas aeruginosa</i> biofilms in cystic fibrosis. 2004 , 24, 631-7	44
1660	Ultrastructural preservation of biofilms formed by non-typeable <i>Haemophilus influenzae</i> . 2004 , 1, 165-182	31
1659	Microbial ecology comes of age and joins the general ecology community. 2004 , 101, 16983-4	32
1658	Ultrasonically enhanced vancomycin activity against <i>Staphylococcus epidermidis</i> biofilms in vivo. 2004 , 18, 237-45	78
1657	Effects of RelA on key virulence properties of planktonic and biofilm populations of <i>Streptococcus mutans</i> . 2004 , 72, 1431-40	120
1656	The <i>pgaABCD</i> locus of <i>Escherichia coli</i> promotes the synthesis of a polysaccharide adhesin required for biofilm formation. 2004 , 186, 2724-34	452
1655	Bacterial biota in the human distal esophagus. 2004 , 101, 4250-5	326
1654	Effects of glucose on <i>fsr</i> -mediated biofilm formation in <i>Enterococcus faecalis</i> . 2004 , 190, 967-70	76
1653	Cross-sectional analysis of clinical and environmental isolates of <i>Pseudomonas aeruginosa</i> : biofilm formation, virulence, and genome diversity. 2004 , 72, 133-44	114
1652	Biofilms 2003: emerging themes and challenges in studies of surface-associated microbial life. 2004 , 186, 4427-40	146
1651	Biofilms promote altruism. 2004 , 150, 2751-2760	221
1650	The Bvg virulence control system regulates biofilm formation in <i>Bordetella bronchiseptica</i> . 2004 , 186, 5692-8	83
1649	Capsular polysaccharides and their role in virulence. 2005 , 12, 55-66	60
1648	Efficacy of ozone on survival and permeability of oral microorganisms. 2004 , 19, 240-6	147
1647	Role of a <i>Streptococcus gordonii</i> copper-transport operon, <i>copYAZ</i> , in biofilm detachment. 2004 , 19, 395-402	20
1646	Biofilm formation by the small colony variant phenotype of <i>Pseudomonas aeruginosa</i> . 2004 , 6, 546-51	105
1645	Biofilm susceptibility to metal toxicity. 2004 , 6, 1220-7	169

1644	Is otitis media with effusion a biofilm infection?. 2004 , 29, 38-46	56
1643	Resolution of persistent periapical infection by endodontic surgery. 2004 , 37, 61-9	26
1642	<i>Pseudomonas aeruginosa</i> attachment and biofilm development in dynamic environments. 2004 , 53, 1075-87	85
1641	Minimizing prion risk without compromising the microbial composition of biofilms grown in vivo in a human plaque model. 2004 , 38, 211-6	9
1640	Differences in biofilm and planktonic cell mediated reduction of metalloid oxyanions. 2004 , 235, 357-362	41
1639	ComX activity of <i>Streptococcus mutans</i> growing in biofilms. 2004 , 238, 167-174	57
1638	Microbial etiology of periodontitis. 2004 , 36, 14-26	158
1637	Effects of nonsurgical periodontal therapy on the microbiota. 2004 , 36, 98-120	74
1636	Bacterial plasmids in the oral and endodontic microflora. 2004 , 9, 37-51	11
1635	Biofilms in endodontic infections. 2004 , 9, 27-36	125
1634	Developing animal models for polymicrobial diseases. 2004 , 2, 552-68	92
1633	Environmental signals and regulatory pathways that influence biofilm formation. 2004 , 52, 917-24	281
1632	Protein glycosylation lessons from <i>Caenorhabditis elegans</i> . 2004 , 14, 607-16	46
1631	Super-channel in bacteria: structural and functional aspects of a novel biosystem for the import and depolymerization of macromolecules. 2004 , 98, 399-413	9
1630	Genotypic and phenotypic screening of high and low virulence <i>Staphylococcus aureus</i> isolates from rabbits for biofilm formation and MSCRAMMs. 2004 , 103, 241-7	90
1629	RNAIII-inhibiting peptide and/or nisin inhibit experimental vascular graft infection with methicillin-susceptible and methicillin-resistant <i>Staphylococcus epidermidis</i> . 2004 , 27, 603-7	17
1628	Neuraminidase produces dose-dependent decrease of slime production and adherence of slime-forming, coagulase-negative staphylococci. 2004 , 35, 275-8	8
1627	Plants as models for the study of human pathogenesis. 2004 , 22, 363-82	20

1626	Immobilized viable microbial cells: from the process to the proteome em leader or the cart before the horse. 2004 , 22, 633-58	96
1625	Fungal endophytes intrinsically associated with micropropagated plants regenerated from native <i>Bouteloua eriopoda</i> Torr. and <i>Atriplex canescens</i> (Pursh) Nutt.. 2004 , 40, 608-612	22
1624	Iron sequestration by human lactoferrin stimulates <i>P. aeruginosa</i> surface motility and blocks biofilm formation. 2004 , 17, 267-70	75
1623	Prosthetic-joint infections. 2004 , 351, 1645-54	2122
1622	Biofilm: the microbial "bunker" for intravascular catheter-related infection. 2004 , 12, 701-7	24
1621	In vitro activity and in vivo efficacy of antimicrobial-coated vascular grafts. 2004 , 18, 497-501	25
1620	Infektionen am Unterarm. 2004 , 6, 237	
1619	Ultrasonic-enhanced gentamicin transport through colony biofilms of <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> . 2004 , 10, 193-9	92
1618	Treatment of chronic nonhealing leg ulceration with gaseous nitric oxide: a case study. 2004 , 8, 233-8	31
1617	Biofilm detection and the clinical significance of <i>Staphylococcus epidermidis</i> isolates. 2004 , 49, 596-600	47
1616	Determination of minimal regrowth concentration (MRC) in clinical isolates of various biofilm-forming bacteria. 2004 , 49, 75-8	26
1615	[Postoperative and bacterial osteitis. New possibilities for therapy]. 2004 , 33, 316-26	9
1614	[Guidelines on antimicrobial therapy in situations of periprosthetic THR infection]. 2004 , 33, 822-8	27
1613	The role of biofilms in the genesis of infectious complications in penile prosthetic devices. 2004 , 1, 29-36	
1612	Backgrounds of antibiotic-loaded bone cement and prosthesis-related infection. 2004 , 25, 545-56	228
1611	Persister cells and tolerance to antimicrobials. 2004 , 230, 13-8	767
1610	Potential use of solid phase immunoassays in the diagnosis of coagulase-negative staphylococcal infections. 2004 , 34, 803-10	6
1609	Symposium summaries. 2004 , 38, 92-188	78

1608	Biofilm formation and cell-to-cell signalling in Gram-negative bacteria isolated from a food processing environment. 2004 , 96, 177-84	79
1607	Involvement of periodontopathic biofilm in vascular diseases. 2004 , 10, 5-12	40
1606	Polysaccharide intercellular adhesin (PIA) protects <i>Staphylococcus epidermidis</i> against major components of the human innate immune system. 2004 , 6, 269-75	478
1605	Tissue integration and biomechanical behaviour of contaminated experimental polypropylene and expanded polytetrafluoroethylene implants. 2004 , 91, 489-94	44
1604	Antibacterial activity of cloth functionalized with N-alkylated poly(4-vinylpyridine). 2004 , 71, 70-80	82
1603	Heterotrophic microorganisms in air and biofilm samples from Roman catacombs, with special emphasis on actinobacteria and fungi. 2004 , 54, 27-37	90
1602	delta-Aminolaevulinic acid mediated photodynamic antimicrobial chemotherapy on <i>Pseudomonas aeruginosa</i> planktonic and biofilm cultures. 2004 , 75, 21-5	59
1601	Comparative proteomic analysis of planktonic and immobilized <i>Pseudomonas aeruginosa</i> cells: a multivariate statistical approach. 2004 , 329, 120-30	63
1600	The effects of the nanotopography of biomaterial surfaces on <i>pseudomonas fluorescens</i> cell adhesion. 2004 , 22, 11-17	8
1599	Polyelectrolyte multilayer films with pegylated polypeptides as a new type of anti-microbial protection for biomaterials. 2004 , 25, 2003-11	211
1598	Effect of heterogeneous structure in mechanically unstressed biofilms on overall growth. 2004 , 66, 809-24	23
1597	Putative exopolysaccharide synthesis genes influence <i>Pseudomonas aeruginosa</i> biofilm development. 2004 , 186, 4449-56	259
1596	Self-generated diversity produces "insurance effects" in biofilm communities. 2004 , 101, 16630-5	479
1595	Genes involved in the synthesis and degradation of matrix polysaccharide in <i>Actinobacillus actinomycetemcomitans</i> and <i>Actinobacillus pleuropneumoniae</i> biofilms. 2004 , 186, 8213-20	239
1594	Frequency, size, and localization of bacterial aggregates on bean leaf surfaces. 2004 , 70, 346-55	186
1593	Structure and function of a hypothetical <i>Pseudomonas aeruginosa</i> protein PA1167 classified into family PL-7: a novel alginate lyase with a beta-sandwich fold. 2004 , 279, 31863-72	97
1592	<i>Aeromonas</i> flagella (polar and lateral) are enterocyte adhesins that contribute to biofilm formation on surfaces. 2004 , 72, 1939-45	140
1591	Distribution of systemic ciprofloxacin and doxycycline to gingiva and gingival crevicular fluid. 2004 , 75, 1663-7	31

1590	Surface-grafted viologen for precipitation of silver nanoparticles and their combined bactericidal activities. 2004 , 20, 6847-52	90
1589	<i>Pseudomonas aeruginosa</i> -plant root interactions. Pathogenicity, biofilm formation, and root exudation. 2004 , 134, 320-31	258
1588	Evaluating protein attraction and adhesion to biomaterials with the atomic force microscope. 2004 , 20, 7753-9	102
1587	Biofilm development and cell death in the marine bacterium <i>Pseudoalteromonas tunicata</i> . 2004 , 70, 3232-8	110
1586	Identification of factor XIIIa-reactive glutamine acceptor and lysine donor sites within fibronectin-binding protein (FnBA) from <i>Staphylococcus aureus</i> . 2004 , 43, 11842-52	5
1585	Prevention of dialysis catheter-related sepsis with a citrate-taurolidine-containing lock solution. 2004 , 19, 1546-51	172
1584	Development of in vitro Biofilm Model: Artificial Food Supplementation in Chemostat-type System. 2004 , 46, 27-36	1
1583	Environmental disinfection to control equine infectious diseases. 2004 , 20, 531-42	19
1582	Treatment of catheter-related bacteraemia with an antibiotic lock protocol: effect of bacterial pathogen. 2004 , 19, 1237-44	151
1581	Quorum-sensing chez <i>Pseudomonas aeruginosa</i> : mēanisme molēculaire, impact clinique, et inhibition. 2004 , 13, 176-184	5
1580	Use of an oxonol dye in combination with confocal laser scanning microscopy to monitor damage to <i>Staphylococcus aureus</i> cells during colonisation of silver-coated vascular grafts. 2004 , 24, 234-40	41
1579	Effects of linezolid on staphylococcal adherence versus time of treatment. 2004 , 23, 226-34	12
1578	Effects of the biologically produced polymer alginic acid on macroscopic and microscopic calcite dissolution rates. 2004 , 38, 3040-6	47
1577	Pulling together with type IV pili. 2004 , 7, 52-62	115
1576	<i>Pseudomonas</i> . 2004 ,	6
1575	Treatment of infections associated with surgical implants. 2004 , 350, 1422-9	1671
1574	Usnic acid, a natural antimicrobial agent able to inhibit bacterial biofilm formation on polymer surfaces. 2004 , 48, 4360-5	189
1573	Studies on the involvement of the exopolysaccharide produced by cystic fibrosis-associated isolates of the <i>Burkholderia cepacia</i> complex in biofilm formation and in persistence of respiratory infections. 2004 , 42, 3052-8	98

1572	Synthetic furanones inhibit quorum-sensing and enhance bacterial clearance in <i>Pseudomonas aeruginosa</i> lung infection in mice. 2004 , 53, 1054-61	332
1571	Microbial pathogenesis and biofilm development. 2005 , 12, 114-131	14
1570	<i>Pseudomonas</i> infections in the thermally injured patient. 2004 , 30, 3-26	131
1569	<i>Candida</i> biofilm resistance. 2004 , 7, 301-9	156
1568	Investigation of biocide efficacy by photoacoustic biofilm monitoring. 2004 , 38, 1189-96	29
1567	BisEDT and RIP act in synergy to prevent graft infections by resistant staphylococci. 2004 , 25, 2047-53	25
1566	Heart transplantation in the patient under ventricular assist complicated with device-related infection. 2004 , 36, 2377-9	4
1565	Denture stomatitis: a role for <i>Candida</i> biofilms. 2004 , 98, 53-9	263
1564	Isolation of non-tuberculosis mycobacteria in treated dental unit waterlines. 2004 , 98, 40-4	27
1563	Relationship between oral motor dysfunction and oral bacteria in bedridden elderly. 2004 , 98, 184-8	13
1562	Transcriptome analysis of quorum-sensing regulation and virulence factor expression in <i>Pseudomonas aeruginosa</i> . 2004 , 22 Suppl 1, S15-20	62
1561	Mechanisms of biofilm formation in <i>Staphylococcus epidermidis</i> and <i>Staphylococcus aureus</i> : functional molecules, regulatory circuits, and adaptive responses. 2004 , 294, 203-12	162
1560	<i>Pseudomonas aeruginosa</i> and <i>Burkholderia cepacia</i> in cystic fibrosis: genome evolution, interactions and adaptation. 2004 , 294, 123-31	99
1559	Striking a balance: inter-kingdom cell-to-cell signaling, friendship or war?. 2004 , 25, 505-7	10
1558	Characterization of the diffusion of polyethylene glycol in <i>Streptococcus mutans</i> biofilms by Raman microspectroscopy. 2004 , 58, 1295-301	16
1557	Role of biofilm-associated protein bap in the pathogenesis of bovine <i>Staphylococcus aureus</i> . 2004 , 72, 2177-85	223
1556	Topical and systemic antibiotics in the management of periodontal diseases. 2004 , 54, 3-14	49
1555	Relationship between volatile sulphide compounds concentration and oral bacteria species detection in the elderly. 2004 , 54, 149-53	8

1554	Source control in the management of severe sepsis and septic shock: an evidence-based review. 2004 , 32, S513-26	181
1553	Dynamic analysis of peritoneal dialysis associated peritonitis. 2004 , 50, 568-76	6
1552	The role of biofilms in otolaryngologic infections. 2004 , 12, 185-90	116
1551	Polymorphonuclear neutrophils in posttraumatic osteomyelitis: cells recovered from the inflamed site lack chemotactic activity but generate superoxides. 2004 , 22, 108-15	35
1550	Biofilms fluorescence and image analysis in hypogean monuments research. 2004 , 111, 127-143	15
1549	Infections urinaires p̄iopathoires. 2004 , 1, 1-10	
1548	Endotracheal tube intraluminal volume loss among mechanically ventilated patients. 2004 , 32, 120-5	120
1547	The use of macrolide antibiotics in patients with cystic fibrosis. 2004 , 10, 515-23	36
1546	Contamination control in nursing with filtration. Part 1: filters applied to intravenous fluids and point-of-use hospital water. 2004 , 27, 89-103	4
1545	Bacterial biofilm presence in pediatric tracheotomy tubes. 2004 , 130, 339-43	27
1544	Polyurethanes loaded with antibiotics: influence of polymer-antibiotic interactions on in vitro activity against Staphylococcus epidermidis. 2004 , 16, 446-52	27
1543	Endotracheal tubes coated with antiseptics decrease bacterial colonization of the ventilator circuits, lungs, and endotracheal tube. 2004 , 100, 1446-56	112
1542	Bacteria and wound healing. 2004 , 17, 91-6	604
1541	Phage Ecology. 2004 ,	7
1540	Type 1 Fimbriae, Curli, and Antigen 43: Adhesion, Colonization, and Biofilm Formation. 2004 , 1,	22
1539	Therapeutic Opportunities for the Treatment of Biofilm-Associated Infections. 2004 , 39, 197-210	1
1538	Feasibility of eradication of mutans streptococci from oral cavities. 2004 , 46, 179-83	13
1537	Treatment of Chronic Nonhealing Leg Ulceration with Gaseous Nitric Oxide: A Case Study. 2004 , 8, 233-238	15

1536	Otopathogenic <i>Pseudomonas aeruginosa</i> strains as competent biofilm formers. 2005 , 131, 983-9	41
1535	Prevention of staphylococcal biofilm-associated infections by the quorum sensing inhibitor RIP. 2005 , 48-54	86
1534	Biofilm theory can guide the treatment of device-related orthopaedic infections. 2005 , 7-11	303
1533	Novel Strategies in HIV Prevention-Development of Topical Microbicides. 2005 , 40, 277-290	3
1532	Economic Impact of Biofilms on Treatment Costs. 2005 , 21-38	2
1531	Implant infection and infection resistant materials: a mini review. 2005 , 28, 1119-25	79
1530	Control of Microbial Adhesion and Biofilm Formation on Tissue Surfaces. 2005 , 149-172	
1529	Complications of Critical Illness. 2005 , 12, 258-268	3
1528	Bacterial adherence to titanium surface coated with human serum albumin. 2005 , 26, 380-4	62
1527	Early experience using low-frequency ultrasound in chronic wounds. 2005 , 55, 183-7	42
1526	[Toward eradication of refractory respiratory infections-- <i>Pseudomonas</i> infection of the respiratory system]. 2005 , 94, 1723-37	0
1525	Multicenter experience: prevention and management of left ventricular assist device infections. 2005 , 51, 461-70	97
1524	In Vivo Models for the Study of Biomaterial- Associated Infection by Biofilm-Forming Staphylococci. 2005 , 289-303	1
1523	Microscopic characterization of bacteria-hard tissue interactions. 2005 , 5860, 30	
1522	Antibiotic resistance from wastewater oxidation ponds. 2005 , 77, 2996-3002	22
1521	Minimal Biofilm Eradication Concentration (MBEC) Assay. 2005 , 257-269	2
1520	Dalbavancin compared with vancomycin for prevention of <i>Staphylococcus aureus</i> colonization of devices in vivo. 2005 , 50, 206-9	51
1519	Characterization of a chronic infection in an internally-stabilized segmental defect in the rat femur. 2005 , 23, 816-23	42

1518	Surface functionalization of cellulose fibers with titanium dioxide nanoparticles and their combined bactericidal activities. 2005 , 599, 69-75	245
1517	Modeling physiological resistance in bacterial biofilms. 2005 , 67, 831-53	56
1516	Role for rpoS gene of <i>Pseudomonas aeruginosa</i> in antibiotic tolerance. 2005 , 242, 161-7	88
1515	Coating of a surface with 2-methacryloyloxyethyl phosphorylcholine (MPC) co-polymer significantly reduces retention of human pathogenic microorganisms. 2005 , 248, 37-45	80
1514	The <i>Burkholderia pseudomallei</i> RpoE (AlgU) operon is involved in environmental stress tolerance and biofilm formation. 2005 , 252, 243-9	30
1513	Biofilms and antibiotic therapy: is there a role for combating bacterial resistance by the use of novel drug delivery systems?. 2005 , 57, 1539-50	322
1512	Use of confocal microscopy to analyze the rate of vancomycin penetration through <i>Staphylococcus aureus</i> biofilms. 2005 , 49, 2467-73	233
1511	Interference of <i>Lactobacillus plantarum</i> with <i>Pseudomonas aeruginosa</i> in vitro and in infected burns: the potential use of probiotics in wound treatment. 2005 , 11, 472-9	162
1510	The genetics of staphylococcal biofilm formation--will a greater understanding of pathogenesis lead to better management of device-related infection?. 2005 , 11, 967-73	106
1509	Ex vivo gingival-biofilm consortia. 2005 , 41, 404-11	8
1508	Multicellular organization in bacteria as a target for drug therapy. 2005 , 8, 800-810	52
1507	Persister cells, the biofilm matrix and tolerance to metal cations in biofilm and planktonic <i>Pseudomonas aeruginosa</i> . 2005 , 7, 981-94	160
1506	Grazing resistance of <i>Pseudomonas aeruginosa</i> biofilms depends on type of protective mechanism, developmental stage and protozoan feeding mode. 2005 , 7, 1593-601	104
1505	Mutational analysis of the <i>adcCBA</i> genes in <i>Streptococcus gordonii</i> biofilm formation. 2005 , 20, 122-7	14
1504	Detection of heat shock proteins but not superantigen by isolated oral bacteria from patients with Behcet's disease. 2005 , 20, 167-71	15
1503	Involvement of antigen I/II surface proteins in <i>Streptococcus mutans</i> and <i>Streptococcus intermedius</i> biofilm formation. 2005 , 20, 366-71	24
1502	Induction of <i>Staphylococcus epidermidis</i> biofilm formation via proteolytic processing of the accumulation-associated protein by staphylococcal and host proteases. 2005 , 55, 1883-95	292
1501	CsrA post-transcriptionally represses <i>pgaABCD</i> , responsible for synthesis of a biofilm polysaccharide adhesin of <i>Escherichia coli</i> . 2005 , 56, 1648-63	242

1500	Rhamnolipids mediate detachment of <i>Pseudomonas aeruginosa</i> from biofilms. 2005 , 57, 1210-23	316
1499	Periapical biomechanics and the role of cyclic biting force in apical retrograde fluid movement. 2005 , 38, 597-603	17
1498	Biofilms strike back. 2005 , 23, 1378-9	54
1497	Antimicrobial peptides: pore formers or metabolic inhibitors in bacteria?. 2005 , 3, 238-50	4060
1496	Immune evasion by staphylococci. 2005 , 3, 948-58	847
1495	Bacterial biofilms in surgical specimens of patients with chronic rhinosinusitis. 2005 , 115, 578-82	179
1494	BIOFILM FORMATION BY SALMONELLA SPP. ON CANTALOUPE MELONS**. 2005 , 25, 276-287	81
1493	Taurolidine lock: the key to prevention of recurrent catheter-related bloodstream infections. 2005 , 24, 462-5	52
1492	<i>Candida albicans</i> biofilms: more than filamentation. 2005 , 15, R453-5	87
1491	Hypermutable impeded cooperation in pathogenic bacteria. 2005 , 15, 1968-71	48
1490	Characterization of <i>Actinomyces</i> species isolated from failed dental implant fixtures. 2005 , 11, 231-7	20
1489	A survey of native microbial aggregates on alfalfa, clover and mung bean sprout cotyledons for thickness as determined by confocal scanning laser microscopy. 2005 , 22, 253-259	17
1488	Surpassing nature: rational design of sterile-surface materials. 2005 , 23, 343-8	258
1487	A model for studying epithelial attachment and morphology at the interface between skin and percutaneous devices. 2005 , 74, 482-8	23
1486	Stability and effectiveness against bacterial adhesion of poly(ethylene oxide) coatings in biological fluids. 2005 , 73, 347-54	93
1485	Bacterial colonization on different suture materials--a potential risk for intraoral dentoalveolar surgery. 2005 , 74, 627-35	54
1484	Magnetic resonance microscopy analysis of advective transport in a biofilm reactor. 2005 , 89, 822-34	30
1483	Immobilized N-alkylated polyethylenimine avidly kills bacteria by rupturing cell membranes with no resistance developed. 2005 , 90, 715-22	254

1482	Cystic fibrosis lung disease: genetic influences, microbial interactions, and radiological assessment. 2005 , 35, 739-57	28
1481	[Infection of ICD: prevention and therapy]. 2005 , 30, 607-12	1
1480	Expression of a peroxiredoxin-glutaredoxin by <i>Haemophilus influenzae</i> in biofilms and during human respiratory tract infection. 2005 , 44, 81-9	43
1479	The many and varied niches occupied by <i>Yersinia pestis</i> as an arthropod-vector zoonotic pathogen. 2005 , 87, 171-7	13
1478	A microbiological and confocal microscopy study documenting a slime-producing <i>Staphylococcus epidermidis</i> isolated from a nylon corneal suture of a patient with antibiotic-resistant endophthalmitis. 2005 , 243, 951-4	13
1477	Role of biofilms in neurosurgical device-related infections. 2005 , 28, 249-55	60
1476	Effect of oxygen limitation on the in vitro antimicrobial susceptibility of clinical isolates of <i>Pseudomonas aeruginosa</i> grown planktonically and as biofilms. 2005 , 24, 677-87	46
1475	Role of bacteria in chronic prostatitis/ chronic pelvic pain syndrome. 2005 , 3, 87-93	1
1474	Role of bacteria in chronic prostatitis/chronic pelvic pain syndrome. 2005 , 6, 300-6	21
1473	Rapidly destructive <i>Staphylococcus epidermidis</i> endocarditis. 2005 , 33, 148-50	14
1472	Inhibition of bacterial adherence on the surface of stents and bacterial growth in bile by bismuth dimercaprol. 2005 , 50, 1046-51	10
1471	Potential Invasion of Microorganisms and Pathogens via Interior Hull Fouling—Biofilms Inside Ballast Water Tanks. 2005 , 7, 969-982	63
1470	Persister cells and the riddle of biofilm survival. 2005 , 70, 267-74	314
1469	In vitro activity of vancomycin, quinupristin/dalfopristin, and linezolid against intact and disrupted biofilms of staphylococci. 2005 , 4, 2	78
1468	Factors affecting microbial adhesion to stainless steel and other materials used in medical devices. 2005 , 28, 1138-45	40
1467	Biofilm formation, cellulose production, and curli biosynthesis by <i>Salmonella</i> originating from produce, animal, and clinical sources. 2005 , 68, 906-12	104
1466	Biofilm-Related Infections on Tissue Surfaces. 2005 , 97-123	1
1465	<i>Staphylococcus aureus</i> biofilms on central venous haemodialysis catheters. 2005 , 36, 342-346	3

1464	Detection of mixed microbial biofilms on central venous catheters removed from Intensive care Unit Patients. 2005 , 36, 275-280	10
1463	Use of colistin in the treatment of multiple-drug-resistant gram-negative infections. 2005 , 62, 39-47	119
1462	Peritonitis and Automated Peritoneal Dialysis: A Therapeutic Conundrum?. 2005 , 25, 142-145	6
1461	Interaction of Biofilms with Tissues. 2005 , 125-148	2
1460	Implant-associated posttraumatic osteomyelitis: collateral damage by local host defense?. 2005 , 28, 1172-80	40
1459	Demonstration of Biofilm in Human Bacterial Chronic Rhinosinusitis. 2005 , 19, 452-457	113
1458	Effects of the twin-arginine translocase on the structure and antimicrobial susceptibility of <i>Escherichia coli</i> biofilms. 2005 , 51, 671-83	12
1457	Assessment of the ability of the bioelectric effect to eliminate mixed-species biofilms. 2005 , 71, 6379-82	26
1456	Molecular basis of azithromycin-resistant <i>Pseudomonas aeruginosa</i> biofilms. 2005 , 49, 3858-67	148
1455	<i>Pseudomonas aeruginosa</i> biofilm formation and slime excretion on antibiotic-loaded bone cement. 2005 , 76, 109-14	65
1454	Microbial Biofilms: Persisters, Tolerance and Dosing. 2005 ,	
1453	Comparative assessment of antibiotic susceptibility of coagulase-negative staphylococci in biofilm versus planktonic culture as assessed by bacterial enumeration or rapid XTT colorimetry. 2005 , 56, 331-6	189
1452	Timing and localization of rhamnolipid synthesis gene expression in <i>Pseudomonas aeruginosa</i> biofilms. 2005 , 187, 37-44	149
1451	Molecular and Cellular Signaling. 2005 ,	
1450	Expression of the <i>psl</i> operon in <i>Pseudomonas aeruginosa</i> PAO1 biofilms: PslA performs an essential function in biofilm formation. 2005 , 71, 4407-13	67
1449	Characterization of temporal protein production in <i>Pseudomonas aeruginosa</i> biofilms. 2005 , 187, 8114-26	162
1448	Identification and localization of extraradicular biofilm-forming bacteria associated with refractory endodontic pathogens. 2005 , 71, 8738-43	78
1447	Exopolysaccharide sugars contribute to biofilm formation by <i>Salmonella enterica</i> serovar typhimurium on HEp-2 cells and chicken intestinal epithelium. 2005 , 187, 3214-26	102

1446	Expression of the quorum-sensing regulatory protein LasR is strongly affected by iron and oxygen concentrations in cultures of <i>Pseudomonas aeruginosa</i> irrespective of cell density. 2005 , 151, 1127-1138	70
1445	<i>Staphylococcus epidermidis</i> polysaccharide intercellular adhesin production significantly increases during tricarboxylic acid cycle stress. 2005 , 187, 2967-73	89
1444	Randomized, clinical trial comparison of trisodium citrate 30% and heparin as catheter-locking solution in hemodialysis patients. 2005 , 16, 2769-77	237
1443	<i>Staphylococcus aureus</i> serves as an iron source for <i>Pseudomonas aeruginosa</i> during in vivo coculture. 2005 , 187, 554-66	209
1442	Bacterial communication ("quorum sensing") via ligands and receptors: a novel pharmacologic target for the design of antibiotic drugs. 2005 , 312, 417-23	94
1441	Ciprofloxacin induction of a susceptibility determinant in <i>Pseudomonas aeruginosa</i> . 2005 , 49, 3222-7	119
1440	Biofilm formation and esp gene carriage in enterococci. 2005 , 58, 685-6	32
1439	Effect of static growth and different levels of environmental oxygen on toxA and ptxR expression in the <i>Pseudomonas aeruginosa</i> strain PAO1. 2005 , 151, 2263-2275	23
1438	A review of studies that examine the impact of infection on the normal wound-healing process. 2005 , 14, 123-6	26
1437	Results of inlay cartilage myringoplasty in terms of closure of central tympanic membrane perforations. 2005 , 119, 611-3	25
1436	Spatial periodicity of <i>Escherichia coli</i> K-12 biofilm microstructure initiates during a reversible, polar attachment phase of development and requires the polysaccharide adhesin PGA. 2005 , 187, 8237-46	98
1435	Die akute Osteitis. 2005 , 21, 224-230	2
1434	Genomewide analysis of gene expression in <i>Staphylococcus epidermidis</i> biofilms: insights into the pathophysiology of <i>S. epidermidis</i> biofilms and the role of phenol-soluble modulins in formation of biofilms. 2005 , 191, 289-98	218
1433	Techniques for antifungal susceptibility testing of <i>Candida albicans</i> biofilms. 2005 , 118, 71-9	63
1432	Differential gene expression for investigation of <i>Escherichia coli</i> biofilm inhibition by plant extract ursolic acid. 2005 , 71, 4022-34	177
1431	Microbial Biofilms in Medicine. 2005 , 1-28	2
1430	Structure and function of bacterial super-biosystem responsible for import and depolymerization of macromolecules. 2005 , 69, 673-92	21
1429	Identity and effects of quorum-sensing inhibitors produced by <i>Penicillium</i> species. 2005 , 151, 1325-1340	368

1428	Heterogeneity of biofilms formed by nonmucoid <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. 2005 , 43, 5247-55	124
1427	The BvgAS signal transduction system regulates biofilm development in <i>Bordetella</i> . 2005 , 187, 1474-84	58
1426	Fluorescent in situ hybridization with specific DNA probes offers adequate detection of <i>Enterococcus faecalis</i> and <i>Enterococcus faecium</i> in clinical samples. 2005 , 54, 937-944	48
1425	Effects of growth in the presence of subinhibitory concentrations of dicloxacillin on <i>Staphylococcus epidermidis</i> and <i>Staphylococcus haemolyticus</i> biofilms. 2005 , 71, 8677-82	57
1424	Atomic force microscopy study on specificity and non-specificity of interaction forces between <i>Enterococcus faecalis</i> cells with and without aggregation substance. 2005 , 151, 2459-2464	27
1423	Effect of heat, acidification, and chlorination on <i>Salmonella enterica</i> serovar typhimurium cells in a biofilm formed at the air-liquid interface. 2005 , 71, 1163-8	143
1422	Insight into biofilm-associated microbial life. 2005 , 10, 15-21	33
1421	Cystic fibrosis sputum supports growth and cues key aspects of <i>Pseudomonas aeruginosa</i> physiology. 2005 , 187, 5267-77	311
1420	High-frequency phase variation of <i>Vibrio vulnificus</i> 1003: isolation and characterization of a rugose phenotypic variant. 2005 , 187, 2519-25	37
1419	Treatment of infected retained implants. 2005 , 87, 249-56	105
1418	Viridans streptococci in endocarditis and neutropenic sepsis: biofilm formation and effects of antibiotics. 2005 , 55, 45-50	44
1417	Caries-preventive agents induce remineralization of dentin in a biofilm model. 2005 , 39, 216-23	43
1416	Pathogen-host interactions in <i>Pseudomonas aeruginosa</i> pneumonia. 2005 , 171, 1209-23	557
1415	Repression of phase-variable cup gene expression by H-NS-like proteins in <i>Pseudomonas aeruginosa</i> . 2005 , 102, 11082-7	91
1414	Adhesion and biofilm formation of <i>Candida albicans</i> on native and Pluronic-treated polystyrene. 2005 , 2, 63-71	22
1413	Patterns of virulence gene expression differ between biofilm and tissue communities of <i>Streptococcus pyogenes</i> . 2005 , 57, 1545-56	125
1412	Comparative efficacies of quinupristin-dalfopristin, linezolid, vancomycin, and ciprofloxacin in treatment, using the antibiotic-lock technique, of experimental catheter-related infection due to <i>Staphylococcus aureus</i> . 2005 , 49, 4042-5	45
1411	Vancomycin-resistant <i>Enterococcus faecium</i> : catheter colonization, esp gene, and decreased susceptibility to antibiotics in biofilm. 2005 , 49, 5046-50	50

1410	cDNA microarray analysis of differential gene expression in <i>Candida albicans</i> biofilm exposed to farnesol. 2005 , 49, 584-9	184
1409	Optically transparent porous medium for nondestructive studies of microbial biofilm architecture and transport dynamics. 2005 , 71, 4801-8	53
1408	The TibA adhesin/invasin from enterotoxigenic <i>Escherichia coli</i> is self recognizing and induces bacterial aggregation and biofilm formation. 2005 , 73, 1954-63	112
1407	Biofilm formation by <i>Salmonella enterica</i> serovar Typhimurium and <i>Escherichia coli</i> on epithelial cells following mixed inoculations. 2005 , 73, 5198-203	18
1406	A three-component regulatory system regulates biofilm maturation and type III secretion in <i>Pseudomonas aeruginosa</i> . 2005 , 187, 1441-54	154
1405	Simultaneous force and fluorescence measurements of a protein that forms a bond between a living bacterium and a solid surface. 2005 , 187, 2127-37	68
1404	Saving infected catheters: why and how. 2005 , 23, 23-8	14
1403	Adherence of hormogonia to substrata is mediated by polysaccharides produced by necridic cells. 2005 , 117, 239-249	1
1402	CD4+ T cells and toll-like receptors recognize <i>Salmonella</i> antigens expressed in bacterial surface organelles. 2005 , 73, 1350-6	49
1401	Is biofilm a cause of silent chronic inflammation in haemodialysis patients? A fascinating working hypothesis. 2005 , 20, 266-70	37
1400	Prolonged stability of stored vancomycin, gentamicin, and heparin for use in the antibiotic-lock technique. 2005 , 51, 761-3	8
1399	Chronic wounds. 2005 , 32, 209-22	66
1398	Estimation of the biofilm formation of <i>Escherichia coli</i> K-12 by the cell number. 2005 , 99, 78-80	35
1397	Bacterial biofilms and ocular infections. 2005 , 3, 73-80	37
1396	The role of environmental changes on monospecies biofilm formation on root canal wall by <i>Enterococcus faecalis</i> . 2005 , 31, 867-72	197
1395	Molecular pathogenesis, epidemiology, and clinical manifestations of respiratory infections due to <i>Bordetella pertussis</i> and other <i>Bordetella</i> subspecies. 2005 , 18, 326-82	785
1394	Susceptibility of <i>Streptococcus mutans</i> biofilms to photodynamic therapy: an in vitro study. 2005 , 56, 324-30	222
1393	<i>Candida</i> biofilms: an update. 2005 , 4, 633-8	527

1392	Bacterial biofilms: do they play a role in chronic sinusitis?. 2005 , 38, 1193-201, viii	45
1391	[Staphylococcus epidermidis biofilms on intraocular lens surface: review of the literature]. 2005 , 28, 224-30	0
1390	Physicochemical and Immunological Research to Reduce the Dental Caries Epidemic - A Paradigm Shift in the Role of a Caries Vaccine. 2005 , 47, 243-252	
1389	Acrylic bone cements: clinical developments and current status: Scandinavia. 2005 , 36, 55-61, vi	9
1388	Curli fibers are required for development of biofilm architecture in Escherichia coli K-12 and enhance bacterial adherence to human uroepithelial cells. 2005 , 49, 875-84	130
1387	Virulence of Enterococcus isolates collected in Lower Silesia (Poland). 2005 , 37, 630-6	20
1386	Candida biofilm: a well-designed protected environment. 2005 , 43, 191-208	109
1385	Depolymerization of beta-1,6-N-acetyl-D-glucosamine disrupts the integrity of diverse bacterial biofilms. 2005 , 187, 382-7	269
1384	Viscoelasticity of Staphylococcus aureus biofilms in response to fluid shear allows resistance to detachment and facilitates rolling migration. 2005 , 71, 2175-8	138
1383	LuxS-based signaling affects Streptococcus mutans biofilm formation. 2005 , 71, 2372-80	165
1382	Azithromycin and lower respiratory tract infections. 2005 , 6, 2335-51	12
1381	Bacterial communities: a microbiological model for swarm intelligence.	2
1380	Spatial organization and composition of the mucosal flora in patients with inflammatory bowel disease. 2005 , 43, 3380-9	630
1379	Pseudomonas aeruginosa AmpR is a global transcriptional factor that regulates expression of AmpC and PoxB beta-lactamases, proteases, quorum sensing, and other virulence factors. 2005 , 49, 4567-75	121
1378	Rational design and synthesis of new quorum-sensing inhibitors derived from acylated homoserine lactones and natural products from garlic. 2005 , 3, 253-62	177
1377	Iron and Pseudomonas aeruginosa biofilm formation. 2005 , 102, 11076-81	556
1376	Do procedural errors cause endodontic treatment failure?. 2005 , 136, 187-93; quiz 231	97
1375	Heterogeneous binding of lipoteichoic acid to the surface of titanium dioxide as determined with ³¹ P solid-state NMR spectroscopy. 2005 , 127, 856-7	10

1374	SarA positively controls bap-dependent biofilm formation in <i>Staphylococcus aureus</i> . 2005 , 187, 5790-8	70
1373	Lessons from DNA microarray analysis: the gene expression profile of biofilms. 2005 , 8, 222-7	117
1372	<i>Haemophilus influenzae</i> luxS mutants form a biofilm and have increased virulence. 2005 , 39, 87-96	49
1371	Postoperative low-grade endophthalmitis caused by biofilm-producing coccus bacteria attached to posterior surface of intraocular lens. 2005 , 31, 2019-20	12
1370	Host-parasite interface and preventive dentistry. 2005 , 1284, 140-149	1
1369	Pleomorphic mammalian tumor-derived bacteria self-organize as multicellular mammalian eukaryotic-like organisms: morphogenetic properties in vitro, possible origins, and possible roles in mammalian 'tumor ecologies'. 2005 , 64, 177-85	4
1368	Mutation analysis of the flp operon in <i>Actinobacillus actinomycetemcomitans</i> . 2005 , 351, 61-71	38
1367	In situ measurements of viral particles diffusion inside mucoid biofilms. 2005 , 328, 1065-72	47
1366	Interaction of antimicrobial peptides with bacterial polysaccharides from lung pathogens. 2005 , 26, 1127-32	50
1365	Quorum sensing in streptococcal biofilm formation. 2005 , 13, 3-6	121
1364	Survival strategies of infectious biofilms. 2005 , 13, 34-40	1295
1363	Bacterial colonization on intraluminal surface of urethral catheter. 2005 , 65, 440-4	42
1362	Chronic rhinosinusitis and biofilms. 2005 , 132, 414-7	130
1361	Role of bacterial cell surface structures in <i>Escherichia coli</i> biofilm formation. 2005 , 156, 626-33	292
1360	Treatment of biofilm infections on implants with low-frequency ultrasound and antibiotics. 2005 , 33, 78-82	115
1359	Hospital water point-of-use filtration: a complementary strategy to reduce the risk of nosocomial infection. 2005 , 33, S1-19	34
1358	Bacterial activity in cystic fibrosis lung infections. 2005 , 6, 49	69
1357	Biofilm reactors for industrial bioconversion processes: employing potential of enhanced reaction rates. 2005 , 4, 24	249

1356	Antibacterial properties of Ag nanoparticle loaded multilayers and formation of magnetically directed antibacterial microparticles. 2005 , 21, 9651-9	407
1355	Microbial deterioration of historic stone. 2005 , 3, 445-451	67
1354	Temporal variation of an initial marine biofilm community and its effects on larval settlement and metamorphosis of the tubeworm <i>Hydroides elegans</i> . 2005 , 2, 231-238	24
1353	Transcriptome analysis of <i>Pseudomonas aeruginosa</i> biofilm development: anaerobic respiration and iron limitation. 2005 , 2, 37-61	112
1352	Effect of chemical speciation on toxicity of mercury to <i>Escherichia coli</i> biofilms and planktonic cells. 2005 , 39, 3116-20	28
1351	Antibiotic-Loaded Cement. 2005 , 86-92	16
1350	A new procedure allowing the complete removal and prevention of hemodialysis biofilms. 2005 , 23, 339-48	16
1349	Phenotypic taxonomy and metabolite profiling in microbial drug discovery. 2005 , 22, 672-95	173
1348	Is <i>Pseudomonas aeruginosa</i> only "sensing quorum"? 2005 , 31, 171-82	35
1347	Prosthetic joint infections. 2005 , 19, 885-914	119
1346	The exopolysaccharide alginate protects <i>Pseudomonas aeruginosa</i> biofilm bacteria from IFN-gamma-mediated macrophage killing. 2005 , 175, 7512-8	372
1345	Nutrient Acquisition by Plants. 2005 ,	6
1344	<i>Pseudomonas aeruginosa</i> lectin LecB is located in the outer membrane and is involved in biofilm formation. 2005 , 151, 1313-1323	251
1343	Ultrasonically controlled release of ciprofloxacin from self-assembled coatings on poly(2-hydroxyethyl methacrylate) hydrogels for <i>Pseudomonas aeruginosa</i> biofilm prevention. 2005 , 49, 4272-9	70
1342	Action and Interaction in the Mycorrhizal Hyphosphere ▯ Re-evaluation of the Role of Mycorrhizas in Nutrient Acquisition and Plant Ecology. 2005 , 221-276	4
1341	Antifungal Agents. 2005 ,	5
1340	Cell-cell communication in Gram-negative bacteria. 2005 , 1, 196-202	46
1339	Two-dimensional fluorescence difference gel electrophoretic analysis of <i>Streptococcus mutans</i> biofilms. 2005 , 4, 2161-73	40

1338	Genetic analysis and attribution of microbial forensics evidence. 2005 , 31, 233-54	56
1337	Curli biogenesis and function. 2006 , 60, 131-47	788
1336	Antimicrobial Peptides and Human Disease. 2006 ,	7
1335	New strategies for antibacterial drug design: targeting non-multiplying latent bacteria. 2006 , 7, 133-51	26
1334	Bacterial biofilm inhibitors from <i>Diospyros dendo</i> . 2006 , 69, 118-20	59
1333	Microbial Biofilms. 2006 , 904-937	38
1332	Hip arthroplasty infection with heterogeneous vancomycin-resistant <i>Staphylococcus aureus</i> . 2006 , 38, 934-8	3
1331	Involvement of nitric oxide in biofilm dispersal of <i>Pseudomonas aeruginosa</i> . 2006 , 188, 7344-53	576
1330	Chelator-induced dispersal and killing of <i>Pseudomonas aeruginosa</i> cells in a biofilm. 2006 , 72, 2064-9	361
1329	Effects of localised, low-voltage pulsed electric fields on the development and inhibition of <i>Pseudomonas aeruginosa</i> biofilms. 2006 , 22, 383-90	54
1328	Autoinducer 2 controls biofilm formation in <i>Escherichia coli</i> through a novel motility quorum-sensing regulator (MqsR, B3022). 2006 , 188, 305-16	419
1327	Does green light influence the fluorescence properties and structure of phototrophic biofilms?. 2006 , 72, 3026-31	29
1326	The impact of quorum sensing and swarming motility on <i>Pseudomonas aeruginosa</i> biofilm formation is nutritionally conditional. 2006 , 62, 1264-77	402
1325	The endo-perio lesion: a critical appraisal of the disease condition. 2006 , 13, 34-56	31
1324	Biofilm formation on clinically noninfected penile prostheses. 2006 , 176, 1008-11	58
1323	Antimicrobial locks: putting the lock on catheter infections. 2006 , 13, 245-58	25
1322	Antimicrobial agents in orthopaedic surgery: Prophylaxis and treatment. 2006 , 66, 1089-105	171
1321	Antimicrobial proteins and polypeptides in pulmonary innate defence. 2006 , 7, 29	79

1320	Furanones. 2006 , 42, 55-86	37
1319	Arginine or nitrate enhances antibiotic susceptibility of <i>Pseudomonas aeruginosa</i> in biofilms. 2006 , 50, 382-4	85
1318	Beneficial biofilm formation by industrial bacteria <i>Bacillus subtilis</i> and related species. 2006 , 101, 1-8	169
1317	Silver bromide nanoparticle/polymer composites: dual action tunable antimicrobial materials. 2006 , 128, 9798-808	617
1316	Morphological and Physiological Diversity. 2006 , 185-220	7
1315	Avoiding trouble down the line: the management and prevention of hemodialysis catheter-related infections. 2006 , 13, 225-44	19
1314	Biofilm: its relevance in kidney disease. 2006 , 13, 215-24	19
1313	Bacterial-bacterial cell interactions in biofilms: detection of polysaccharide intercellular adhesins by blotting and confocal microscopy. 2006 , 341, 119-26	19
1312	Bacterial evasion of antimicrobial peptides by biofilm formation. 2006 , 306, 251-8	105
1311	Cell-Cell Interactions. 2006 ,	
1310	In vitro antibacterial activity of the peptide PsVP-10 against <i>Streptococcus mutans</i> and <i>Streptococcus sobrinus</i> with and without glycocalyx. 2006 , 27, 212-6	13
1309	Increased biofilm formation in <i>Escherichia coli</i> isolated from acute prostatitis. 2006 , 28 Suppl 1, S21-5	38
1308	In vitro effects of micafungin against <i>Candida</i> biofilms on polystyrene and central venous catheter sections. 2006 , 28, 568-73	46
1307	Early rise of anti-pseudomonas antibodies and a mucoid phenotype of <i>pseudomonas aeruginosa</i> are risk factors for development of chronic lung infection--a case control study. 2006 , 5, 9-15	67
1306	Phenotypic characterization of <i>Streptococcus pneumoniae</i> biofilm development. 2006 , 188, 2325-35	131
1305	Using bacteriophages to reduce formation of catheter-associated biofilms by <i>Staphylococcus epidermidis</i> . 2006 , 50, 1268-75	213
1304	Biofilm formation by <i>Streptococcus pneumoniae</i> : role of choline, extracellular DNA, and capsular polysaccharide in microbial accretion. 2006 , 188, 7785-95	251
1303	Backbone NMR assignments and H/D exchange studies on the ferric azide- and cyanide-inhibited forms of <i>Pseudomonas aeruginosa</i> heme oxygenase. 2006 , 45, 4578-92	21

1302	Impact of selective antimicrobial agents on staphylococcal adherence to biomedical devices. 2006 , 192, 344-54	76
1301	Identification of <i>Helicobacter pylori</i> biofilms in human gastric mucosa. 2006 , 10, 712-7	92
1300	Infection in ventricular assist devices: the role of biofilm. 2006 , 15, 264-270	56
1299	Multiple combination antibiotic susceptibility testing of nontypeable <i>Haemophilus influenzae</i> biofilms. 2006 , 56, 247-53	71
1298	Quorum sensing inhibitors: a bargain of effects. 2006 , 152, 895-904	394
1297	A multi-phase mathematical model of quorum sensing in a maturing <i>Pseudomonas aeruginosa</i> biofilm. 2006 , 203, 240-76	47
1296	Interleukin-1beta-induced growth enhancement of <i>Staphylococcus aureus</i> occurs in biofilm but not planktonic cultures. 2006 , 41, 67-79	36
1295	Self-associating autotransporters, SAATs: functional and structural similarities. 2006 , 296, 187-95	82
1294	Quorum-sensing inhibitors as anti-pathogenic drugs. 2006 , 296, 149-61	650
1293	The effect of exposure to irrigant solutions on apical dentin biofilms in vitro. 2006 , 32, 434-7	174
1292	The Cpx system of <i>Escherichia coli</i> , a strategic signaling pathway for confronting adverse conditions and for settling biofilm communities?. 2006 , 157, 306-14	130
1291	Exopolysaccharides produced by the recently described halophilic bacteria <i>Halomonas ventosae</i> and <i>Halomonas anticariensis</i> . 2006 , 157, 827-35	112
1290	Citropin 1.1-treated central venous catheters improve the efficacy of hydrophobic antibiotics in the treatment of experimental staphylococcal catheter-related infection. 2006 , 27, 1210-6	43
1289	Pre-treatment of central venous catheters with the cathelicidin BMAP-28 enhances the efficacy of antistaphylococcal agents in the treatment of experimental catheter-related infection. 2006 , 27, 2104-10	45
1288	Alpha1-antitrypsin single dose adjuvant therapy for acute otitis media. 2006 , 135, 111-5	2
1287	Biofilm formation by <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> is associated with an unfavorable evolution after surgery for chronic sinusitis and nasal polyposis. 2006 , 134, 991-6	213
1286	Biofilms: implications in bioremediation. 2006 , 14, 389-97	547
1285	Inhibition and inactivation of <i>Listeria monocytogenes</i> and <i>Escherichia coli</i> O157:H7 colony biofilms by micellar-encapsulated eugenol and carvacrol. 2006 , 69, 2947-54	66

1284	. 2006,	3
1283	Jamming bacterial communications: new strategies to combat bacterial infections and the development of biofilms. 65-100	1
1282	Quorum-sensing-mediated regulation of biofilm growth and virulence of <i>Vibrio cholerae</i> . 101-116	
1281	Conjugative Plasmid Transfer in the Biofilm Formed by <i>Enterococcus faecalis</i> . 2006, 52, 358-367	5
1280	Antimicrobial resistance and production of biofilms in clinical isolates of coagulase-negative <i>Staphylococcus</i> strains. 2006, 29, 1592-6	35
1279	Skin, Molecular Cell Biology of. 2006,	
1278	Polymeric Controlled Release Systems for Management of Bone Infection. 2006, 391-411	1
1277	Biofilm formation in medical device-related infection. 2006, 29, 343-59	136
1276	Lung infections. 301-326	
1275	Bacterial biofilms in chronic rhinosinusitis. 2006, 196, 35-9	40
1274	Role of nontypeable <i>Haemophilus influenzae</i> in exacerbations and progression of chronic obstructive pulmonary disease. 2006, 12, 118-24	47
1273	Preterm Birth: A Review. 2006, 2, 257-318	2
1272	New perspectives for a new century: implications of pathogen responses for the future of antimicrobial therapy. 2006, 27, 251-64	11
1271	Antiseptic impregnated endotracheal tubes, biofilms, and ventilator-associated pneumonia. 2006, 34, 2855-7	7
1270	T lymphocytes in implant-associated posttraumatic osteomyelitis: Identification of cytotoxic T effector cells at the site of infection. 2006, 25, 241-6	28
1269	Early goal-directed therapy of septic shock in the emergency room: who could honestly remain skeptical?. 2006, 34, 2842-3	33
1268	Wide variations in the cost-effectiveness of critical care. 2006, 34, 2849-51	
1267	Biofilms and their role in the resistance of pathogenic <i>Candida</i> to antifungal agents. 2006, 7, 465-70	101

1266	Candida albicans and Candida dubliniensis: comparison of biofilm formation in terms of biomass and activity. 2006 , 63, 5-11	35
1265	(B1) Candida and mycotic infections. 2006 , 19, 130-8	25
1264	Sensitivity analysis of a biofilm model describing mixed growth of nitrite oxidisers in a CSTR. 2006 , 53, 313-20	1
1263	Bagasse-assisted bioremediation of ammonia from shrimp farm wastewater. 2006 , 78, 938-50	14
1262	Risk stratification in patients with confirmed pulmonary embolism: what to do when echocardiography is not available. 2006 , 34, 2857-8	6
1261	Pathogenesis of staphylococcal device-related infections: from basic science to new diagnostic, therapeutic and prophylactic approaches. 2006 , 17, 45-54	29
1260	Arginine: too much of a good thing may be bad!. 2006 , 34, 2844-7	19
1259	Outcomes following pneumococcal meningitis: room for improvement remains expansive. 2006 , 34, 2853-5	3
1258	Methylene blue: an old-timer or a compound ready for revival?. 2006 , 34, 2862-3	15
1257	Nasal and paranasal sinus carcinoma: how can we continue to make progress?. 2006 , 14, 67-72	106
1256	Critical care for high-risk cardiac surgery: what lies beyond?. 2006 , 34, 2847-9	
1255	Splanchnic resuscitation revisited: combining hyperoxia and hypertonic saline during early goal-directed treatment. 2006 , 34, 2858-60	4
1254	Antimicrobial resistance in bacterial biofilms. 2006 , 17, 65-75	27
1253	Open up and keep the lymphatics open: they are the hydraulics of the body!. 2006 , 34, 2860-2	14
1252	Toward better times: the period of improving animal models in the quest for the treatment of disease. 2006 , 34, 2865-6	
1251	First do no harm ... hypoglycemia or hyperglycemia?. 2006 , 34, 2843-4	20
1250	The role of right ventricular-pulmonary arterial coupling to differentiate between effects of inotropic agents in experimental right heart failure. 2006 , 34, 2864-5	7
1249	Early phase of lung-protective ventilation: a place for paralytics?. 2006 , 34, 2851-3	13

1248	Advances in understanding the pathogenesis of pneumococcal otitis media. 2006 , 25, 546-52	9
1247	Infections associated with orthopedic implants. 2006 , 19, 349-56	358
1246	Biofilms in the Food Industry. 3-18	3
1245	Reporter Gene System: Green Fluorescent Protein. 2006 ,	
1244	[Bacterial biofilms]. 2006 , 95, 2251-5	
1243	Study of the clinical usefulness of a dental drug system for selective reduction of mutans streptococci using a case series. 2006 , 48, 111-6	7
1242	Treatment and outcome of CPD-associated peritonitis. 2006 , 5, 6	62
1241	Cooperation and virulence in acute <i>Pseudomonas aeruginosa</i> infections. 2006 , 4, 21	151
1240	Prevalence of virulence factors in <i>Staphylococcus intermedius</i> isolates from dogs and pigeons. 2006 , 2, 4	28
1239	Symposium Session Summaries. 2006 , 41, 93-208	
1238	The role of periplasmic antioxidant enzymes (superoxide dismutase and thiol peroxidase) of the Shiga toxin-producing <i>Escherichia coli</i> O157:H7 in the formation of biofilms. 2006 , 6, 6181-93	63
1237	Proteomics for the analysis of the <i>Candida albicans</i> biofilm lifestyle. 2006 , 6, 5795-804	101
1236	A feeling for the micro-organism: structure on a small scale. Biofilms on plant roots. 2006 , 150, 79-88	48
1235	Comparative assessment of the antimicrobial susceptibility of <i>Staphylococcus aureus</i> isolates from bovine mastitis in biofilm versus planktonic culture. 2006 , 53, 326-32	67
1234	Effect of mixed mutans streptococci colonization on caries development. 2006 , 21, 47-52	52
1233	The effects of tetracycline, minocycline, doxycycline and ofloxacin on <i>Prevotella intermedia</i> biofilm. 2006 , 21, 366-71	28
1232	Genetics and genomics of <i>Candida albicans</i> biofilm formation. 2006 , 8, 1382-91	201
1231	Pacifiers: a microbial reservoir. 2006 , 8, 216-23	20

1230	A rat model of polypropylene graft infection caused by <i>Staphylococcus epidermidis</i> . 2006 , 76, 387-91	13
1229	What are biofilms? Evaluation and management in open skin wounds. 2006 , 20, 743-5	4
1228	Biofilm-related infections of cerebrospinal fluid shunts. 2006 , 12, 331-7	49
1227	Management of infections of orthoarticular prosthesis. 2006 , 12 Suppl 3, 93-101	70
1226	Association between commensal bacteria and opportunistic pathogens in the dental plaque of elderly individuals. 2006 , 12, 776-81	40
1225	Quorum sensing: the many languages of bacteria. 2006 , 254, 1-11	279
1224	Dynamics of development and dispersal in sessile microbial communities: examples from <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas putida</i> model biofilms. 2006 , 261, 1-11	107
1223	Bacterial lateral flagella: an inducible flagella system. 2006 , 263, 127-35	87
1222	Two type IV pili of <i>Vibrio parahaemolyticus</i> play different roles in biofilm formation. 2006 , 264, 89-97	76
1221	Proteins with GGDEF and EAL domains regulate <i>Pseudomonas putida</i> biofilm formation and dispersal. 2006 , 265, 215-24	78
1220	Alginate lyase enhances antibiotic killing of mucoid <i>Pseudomonas aeruginosa</i> in biofilms. 2006 , 114, 131-8	195
1219	Viewpoint 1. 2006 , 15, 916-919	
1218	<i>Candida</i> biofilms on implanted biomaterials: a clinically significant problem. 2006 , 6, 979-86	412
1217	Anaerobic culture conditions favor biofilm-like phenotypes in <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. 2006 , 48, 373-80	28
1216	Lack of in vitro biofilm formation does not attenuate the virulence of <i>Streptococcus gordonii</i> in experimental endocarditis. 2006 , 48, 419-23	15
1215	Photosensitization of in vitro biofilms by toluidine blue O combined with a light-emitting diode. 2006 , 114, 64-9	193
1214	The effect of cocoa polyphenols on the growth, metabolism, and biofilm formation by <i>Streptococcus mutans</i> and <i>Streptococcus sanguinis</i> . 2006 , 114, 343-8	75
1213	Pore formers promoted release of an antifungal drug from functionalized polyurethanes to inhibit <i>Candida</i> colonization. 2006 , 100, 615-22	27

1212	Isolation and characterization of Legionella spp. and Pseudomonas spp. from greenhouse misting systems. 2006 , 100, 1239-50	5
1211	SESSION H: PHARMACODYNAMICS. 2006 , 29, 211-238	
1210	Bile acids stimulate biofilm formation in Vibrio cholerae. 2006 , 59, 193-201	124
1209	Mucin-Pseudomonas aeruginosa interactions promote biofilm formation and antibiotic resistance. 2006 , 59, 142-51	143
1208	A characterization of DNA release in Pseudomonas aeruginosa cultures and biofilms. 2006 , 59, 1114-28	719
1207	Yersinia pestis YrbH is a multifunctional protein required for both 3-deoxy-D-manno-oct-2-ulosonic acid biosynthesis and biofilm formation. 2006 , 61, 861-70	26
1206	Consequences of and strategies to deal with residual post-treatment root canal infection. 2006 , 39, 343-56	138
1205	In vitro antimicrobial activity of sodium hypochlorite and chlorhexidine against selected single-species biofilms. 2006 , 39, 878-85	93
1204	Non-inherited antibiotic resistance. 2006 , 4, 556-62	363
1203	Quorum-sensing regulation of gene expression: Fundamental and applied aspects and the role in bacterial communication. 2006 , 75, 390-397	24
1202	Quorum sensing regulation of gene expression: A promising target for drugs against bacterial pathogenicity. 2006 , 40, 169-182	38
1201	Cellular inflammatory response to persistent localized Staphylococcus aureus infection: phenotypical and functional characterization of polymorphonuclear neutrophils (PMN). 2006 , 143, 70-7	39
1200	Nickel/Titanium alloy: Cytotoxicity evaluation on microorganism culture. 2006 , 252, 4619-4624	17
1199	Antibacterial and mechanical properties of bone cement impregnated with chitosan nanoparticles. 2006 , 27, 2440-9	304
1198	Laser trap studies of end-on E. coli adhesion to glass. 2006 , 50, 66-71	16
1197	Diversity of the surface properties of Lactococci and consequences on adhesion to food components. 2006 , 52, 149-53	37
1196	Presence and density of Helicobacter pylori biofilms in human gastric mucosa in patients with peptic ulcer disease. 2006 , 10, 883-9	67
1195	Mécanismes physiopathologiques des arthrites septiques. 2006 , 73, 136-143	2

1194	Sequence analysis of alginate-derived oligosaccharides by negative-ion electrospray tandem mass spectrometry. 2006 , 17, 621-630	62
1193	Influence of gas nitriding of Ti6Al4V alloy at high temperature on the adhesion of <i>Staphylococcus aureus</i> . 2006 , 201, 2807-2812	21
1192	[Infectious spondylitis]. 2006 , 65, 7-11	5
1191	The effect of spatial structure in adaptive evolution. 2006 , 51, 301-306	9
1190	A Novel Alginate Lyase with High Activity on Acetylated Alginate of <i>Pseudomonas aeruginosa</i> FRD1 from <i>Pseudomonas</i> sp. QD03. 2006 , 22, 81-88	31
1189	Adhesion of slime producing <i>Staphylococcus epidermidis</i> strains to PVC and diamond-like carbon/silver/fluorinated coatings. 2006 , 17, 679-89	56
1188	A bioremediation approach using natural transformation in pure-culture and mixed-population biofilms. 2006 , 17, 545-57	24
1187	Auftreten und Virulenzfaktoren bakterieller Erreger bei Gefäßinfektionen. 2006 , 11, 393-401	12
1186	Predictors and outcome of catheter-related bacteremia in children on chronic hemodialysis. 2006 , 21, 1452-8	24
1185	Infection management in a patient with a left ventricular assist device: a case report of long-term cefazolin sodium hydrate administration. 2006 , 9, 118-21	4
1184	Analysis of different genetic traits and their association with biofilm formation in <i>Staphylococcus epidermidis</i> isolates from central venous catheter infections. 2006 , 25, 773-81	34
1183	Flagella-mediated motility is required for biofilm formation by <i>Erwinia carotovora</i> subsp. <i>carotovora</i> . 2006 , 72, 34-39	41
1182	[Infected knee arthroplasty. A treatment algorithm at the Kantonsspital Liestal, Switzerland]. 2006 , 35, 917-8, 920-8	15
1181	[Treatment of infected total knee arthroplasty. When does implant salvage make sense?]. 2006 , 35, 929-30, 932-6	1
1180	Spacer prostheses in two-stage revision of infected knee arthroplasty. 2006 , 30, 257-61	73
1179	Bactericidal activity of copper and niobium-alloyed austenitic stainless steel. 2006 , 53, 491-5	19
1178	[Implant-associated post-traumatic osteomyelitis. Bacterial biofilms and the immune defence as protagonists of the local inflammatory process]. 2006 , 109, 761-9	16
1177	Cell aggregation of <i>Pseudomonas aeruginosa</i> strain PAO1 as an energy-dependent stress response during growth with sodium dodecyl sulfate. 2006 , 185, 417-27	56

1176	Biofilm formation by field isolates and reference strains of <i>Haemophilus parasuis</i> . 2006 , 118, 117-23	52
1175	Compositions of maple sap microflora and collection system biofilms evaluated by scanning electron microscopy and denaturing gradient gel electrophoresis. 2006 , 109, 9-18	14
1174	Biofilm formation and the survival of <i>Salmonella Typhimurium</i> on parsley. 2006 , 109, 229-33	116
1173	Antibiotics in trauma and orthopedic surgery -- a primer of evidence-based recommendations. 2006 , 37 Suppl 2, S74-80	48
1172	Principles of systemic antimicrobial therapy in foreign material associated infection in bone tissue, with special focus on periprosthetic infection. 2006 , 37 Suppl 2, S87-94	46
1171	Luteolin inhibits lipopolysaccharide actions on human gingival fibroblasts. 2006 , 541, 95-105	53
1170	Environmental influences on <i>Actinobacillus actinomycetemcomitans</i> biofilm formation. 2006 , 51, 299-314	29
1169	Effect of aqueous extract from Neem (<i>Azadirachta indica</i> A. Juss) on hydrophobicity, biofilm formation and adhesion in composite resin by <i>Candida albicans</i> . 2006 , 51, 482-90	57
1168	Biofilms: a role in recurrent mastitis infections?. 2006 , 171, 398-407	204
1167	Pharmacology of the fluoroquinolones: a perspective for the use in domestic animals. 2006 , 172, 10-28	250
1166	Making sense of equine uterine infections: the many faces of physical clearance. 2006 , 172, 405-21	44
1165	Microbial biofilms: a potential source for alloplastic device failure. 2006 , 64, 1303-9	41
1164	Characterization of autoinducer 2 signal in <i>Eikenella corrodens</i> and its role in biofilm formation. 2006 , 102, 110-7	34
1163	Gross and histopathological observations of long-term catheterized vessels in experimental sheep. 2006 , 53, 230-8	3
1162	Conserved genes in a path from commensalism to pathogenicity: comparative phylogenetic profiles of <i>Staphylococcus epidermidis</i> RP62A and ATCC12228. 2006 , 7, 112	25
1161	Clustering of <i>Pseudomonas aeruginosa</i> transcriptomes from planktonic cultures, developing and mature biofilms reveals distinct expression profiles. 2006 , 7, 162	110
1160	Effect of iron on the expression of <i>sirR</i> and <i>sitABC</i> in biofilm-associated <i>Staphylococcus epidermidis</i> . 2006 , 6, 103	18
1159	Persisters: a distinct physiological state of <i>E. coli</i> . 2006 , 6, 53	446

1158	Identification of biofilm proteins in non-typeable Haemophilus Influenzae. 2006 , 6, 65	58
1157	Surface antibacterial characteristics of plasma-modified polyethylene. 2006 , 83, 62-8	25
1156	In vitro antibacterial and cytotoxicity assay of multilayered polyelectrolyte-functionalized stainless steel. 2006 , 76, 826-34	47
1155	Effects of biomaterial surface chemistry on the adhesion and biofilm formation of Staphylococcus epidermidis in vitro. 2006 , 78, 836-42	92
1154	Use of an in vitro assay for determination of biofilm-forming capacity of bacteria in chronic rhinosinusitis. 2006 , 20, 434-8	26
1153	Identification of Pseudomonas aeruginosa genes involved in virulence and anaerobic growth. 2006 , 74, 4237-45	97
1152	Photodynamic Inactivation of Bacteria. 2006 , 2, 127-142	61
1151	The thin pili of Acinetobacter sp. strain BD413 mediate adhesion to biotic and abiotic surfaces. 2006 , 72, 1394-401	52
1150	Control of Listeria spp. by competitive-exclusion bacteria in floor drains of a poultry processing plant. 2006 , 72, 3314-20	55
1149	Keeping their options open: acute versus persistent infections. 2006 , 188, 1211-7	146
1148	Recombinant human osteogenic protein-1 induces bone formation in a chronically infected, internally stabilized segmental defect in the rat femur. 2006 , 88, 1510-23	42
1147	The Use of Positively Charged or Low Surface Free Energy Coatings versus Polymer Brushes in Controlling Biofilm Formation. 138-144	51
1146	Biocomplexity and Bioelectrochemical Influence of Anaerobic Biofilms in Gasoline Distribution Pipelines. 2006 , 3, 199-212	1
1145	Development of a biofilm production-deficient Escherichia coli strain as a host for biotechnological applications. 2006 , 72, 3336-42	31
1144	Polymicrobial infection and the eye. 2006 , 90, 257-8	9
1143	Host Immune Responses to Aeromonas Virulence Factors. 2006 , 2, 13-26	48
1142	The Pseudomonas aeruginosa universal stress protein PA4352 is essential for surviving anaerobic energy stress. 2006 , 188, 6529-38	45
1141	Vascular catheter-associated infections: a microbiological and therapeutic update. 2006 , 18, 235-49	42

1140	In vitro activity of a new antibacterial rhodanine derivative against <i>Staphylococcus epidermidis</i> biofilms. 2006 , 58, 778-83	46
1139	Characterization of the <i>Staphylococcus epidermidis</i> accessory-gene regulator response: quorum-sensing regulation of resistance to human innate host defense. 2006 , 193, 841-8	64
1138	<i>Porphyromonas gingivalis</i> genes involved in community development with <i>Streptococcus gordonii</i> . 2006 , 74, 6419-28	74
1137	Susceptibility of <i>Actinobacillus actinomycetemcomitans</i> to six antibiotics decreases as biofilm matures. 2007 , 59, 59-65	48
1136	The cation-responsive protein NhaR of <i>Escherichia coli</i> activates pgaABCD transcription, required for production of the biofilm adhesin poly-beta-1,6-N-acetyl-D-glucosamine. 2006 , 188, 8022-32	54
1135	Characterization of biofilm formation by clinically relevant serotypes of group A streptococci. 2006 , 72, 2864-75	112
1134	Post-operative infection by pathogenic micro-organisms in the oral cavity of patients with prostatic carcinoma. 2006 , 34, 95-102	1
1133	Biofilm matrix of <i>Candida albicans</i> and <i>Candida tropicalis</i> : chemical composition and role in drug resistance. 2006 , 55, 999-1008	374
1132	Biofilm formation by <i>Moraxella catarrhalis</i> in vitro: roles of the UspA1 adhesin and the Hag hemagglutinin. 2006 , 74, 1588-96	72
1131	Biofilm growth increases phosphorylcholine content and decreases potency of nontypeable <i>Haemophilus influenzae</i> endotoxins. 2006 , 74, 1828-36	53
1130	RNAIII-inhibiting peptide significantly reduces bacterial load and enhances the effect of antibiotics in the treatment of central venous catheter-associated <i>Staphylococcus aureus</i> infections. 2006 , 193, 180-6	78
1129	Quorum-sensing regulation governs bacterial adhesion, biofilm development, and host colonization in <i>Pantoea stewartii</i> subspecies <i>stewartii</i> . 2006 , 103, 5983-8	180
1128	Inhibition of fungal colonization by <i>Pseudoalteromonas tunicata</i> provides a competitive advantage during surface colonization. 2006 , 72, 6079-87	50
1127	High-resolution three-dimensional imaging of biofilm development using optical coherence tomography. 2006 , 11, 34001	77
1126	The transcriptional antiterminator RfaH represses biofilm formation in <i>Escherichia coli</i> . 2006 , 188, 1316-31	76
1125	Effects of quaternary ammonium silane coatings on mixed fungal and bacterial biofilms on tracheoesophageal shunt prostheses. 2006 , 72, 3673-7	87
1124	Genetic and phenotypic diversity of quorum-sensing systems in clinical and environmental isolates of <i>Vibrio cholerae</i> . 2006 , 74, 1141-7	118
1123	Molecular Paradigms of Infectious Disease. 2006 ,	2

1122	Oxidative Stress Systems in Bacteria: Four Model Organisms. 2006 , 544-574	3
1121	Signature-tagged mutagenesis of <i>Klebsiella pneumoniae</i> to identify genes that influence biofilm formation on extracellular matrix material. 2006 , 74, 4590-7	59
1120	Ecological advantages of autolysis during the development and dispersal of <i>Pseudoalteromonas tunicata</i> biofilms. 2006 , 72, 5414-20	69
1119	A database of bacterial lipoproteins (DOLOP) with functional assignments to predicted lipoproteins. 2006 , 188, 2761-73	225
1118	Direct detection of bacterial biofilms on the middle-ear mucosa of children with chronic otitis media. 2006 , 296, 202-11	645
1117	Antifouling Compounds. 2006 ,	20
1116	Efficacy of high doses of levofloxacin in experimental foreign-body infection by methicillin-susceptible <i>Staphylococcus aureus</i> . 2006 , 50, 4011-7	61
1115	Comparative antibody-mediated phagocytosis of <i>Staphylococcus epidermidis</i> cells grown in a biofilm or in the planktonic state. 2006 , 74, 4849-55	141
1114	Temperature-regulated microcolony formation by <i>Burkholderia pseudomallei</i> requires pilA and enhances association with cultured human cells. 2006 , 74, 5374-81	33
1113	GlpD and PlsB participate in persister cell formation in <i>Escherichia coli</i> . 2006 , 188, 5136-44	159
1112	Role of bacteriocin immunity proteins in the antimicrobial sensitivity of <i>Streptococcus mutans</i> . 2006 , 188, 8095-102	48
1111	Influence of culture heterogeneity in cell surface charge on adhesion and biofilm formation by <i>Enterococcus faecalis</i> . 2006 , 188, 2421-6	79
1110	Native valve endocarditis due to <i>Gordonia polyisoprenivorans</i> : case report and review of literature of bloodstream infections caused by <i>Gordonia</i> species. 2006 , 44, 1905-8	48
1109	A small subpopulation of blastospores in <i>Candida albicans</i> biofilms exhibit resistance to amphotericin B associated with differential regulation of ergosterol and beta-1,6-glucan pathway genes. 2006 , 50, 3708-16	79
1108	Measuring the validity of two in-office water test kits. 2006 , 137, 363-71	10
1107	Biofilm formation by <i>Pseudoalteromonas rutilans</i> and its removal by chlorine. 2006 , 22, 371-81	36
1106	Spx is a global effector impacting stress tolerance and biofilm formation in <i>Staphylococcus aureus</i> . 2006 , 188, 4861-70	122
1105	Deletion of the <i>rpoZ</i> gene, encoding the omega subunit of RNA polymerase, results in pleiotropic surface-related phenotypes in <i>Mycobacterium smegmatis</i> . 2006 , 152, 1741-1750	38

1104	Multiple combination bactericidal testing of staphylococcal biofilms from implant-associated infections. 2006 , 50, 55-61	252
1103	Glycosylation of the self-recognizing <i>Escherichia coli</i> Ag43 autotransporter protein. 2006 , 188, 1798-807	84
1102	<i>Salmonella enterica</i> serovar Typhimurium requires the Lpf, Pef, and Tafi fimbriae for biofilm formation on HEP-2 tissue culture cells and chicken intestinal epithelium. 2006 , 74, 3156-69	102
1101	Biofilm formation by mycoplasma species and its role in environmental persistence and survival. 2006 , 152, 913-922	113
1100	Managing the complexity of a dynamic biofilm. 2006 , 137 Suppl, 10S-15S	41
1099	Microbial colonization and competition on the marine alga <i>Ulva australis</i> . 2006 , 72, 5547-55	88
1098	Antibiofilm activity of GlmU enzyme inhibitors against catheter-associated uropathogens. 2006 , 50, 1835-40	75
1097	Differences in biofilm development and antibiotic susceptibility among <i>Streptococcus pneumoniae</i> isolates from cystic fibrosis samples and blood cultures. 2007 , 59, 301-4	34
1096	Anaerobic survival of <i>Pseudomonas aeruginosa</i> by pyruvate fermentation requires an Usp-type stress protein. 2006 , 188, 659-68	92
1095	Efficacy of a novel rifamycin derivative, ABI-0043, against <i>Staphylococcus aureus</i> in an experimental model of foreign-body infection. 2007 , 51, 2540-5	40
1094	Biofilm formation, epiphytic fitness, and canker development in <i>Xanthomonas axonopodis</i> pv. <i>citri</i> . 2007 , 20, 1222-30	178
1093	Biofilm differentiation and dispersal in mucoid <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. 2007 , 153, 3264-3274	85
1092	Old yellow enzymes, highly homologous FMN oxidoreductases with modulating roles in oxidative stress and programmed cell death in yeast. 2007 , 282, 36010-23	49
1091	The <i>Listeria monocytogenes</i> homolog of the <i>Escherichia coli</i> era gene is involved in adhesion to inert surfaces. 2007 , 73, 7789-92	5
1090	Biofilms protect <i>Mycoplasma pulmonis</i> cells from lytic effects of complement and gramicidin. 2007 , 75, 3696-9	33
1089	Asiatic acid and corosolic acid enhance the susceptibility of <i>Pseudomonas aeruginosa</i> biofilms to tobramycin. 2007 , 51, 1813-7	70
1088	sigmaB regulates IS256-mediated <i>Staphylococcus aureus</i> biofilm phenotypic variation. 2007 , 189, 2886-96	54
1087	Biofilm exclusion of uropathogenic bacteria by selected asymptomatic bacteriuria <i>Escherichia coli</i> strains. 2007 , 153, 1711-1719	42

1086	Inhibition of <i>Escherichia coli</i> biofilm formation by self-assembled monolayers of functional alkanethiols on gold. 2007 , 73, 4300-7	63
1085	Linear osmoregulated periplasmic glucans are encoded by the <i>opgGH</i> locus of <i>Pseudomonas aeruginosa</i> . 2007 , 153, 3255-3263	44
1084	Contribution of <i>Moraxella catarrhalis</i> type IV pili to nasopharyngeal colonization and biofilm formation. 2007 , 75, 5559-64	67
1083	Role of a putative polysaccharide locus in <i>Bordetella</i> biofilm development. 2007 , 189, 750-60	95
1082	Interrelationships between colonies, biofilms, and planktonic cells of <i>Pseudomonas aeruginosa</i> . 2007 , 189, 2411-6	92
1081	Bacterial Biofilms. 2007 , 20, 191-195	4
1080	High-throughput screens for small-molecule inhibitors of <i>Pseudomonas aeruginosa</i> biofilm development. 2007 , 51, 3582-90	107
1079	The evidence base for the efficacy of antibiotic prophylaxis in dental practice. 2007 , 138, 458-74; quiz 534-5, 437	99
1078	Biofilm formation by enterococci. 2007 , 56, 1581-1588	239
1077	Molecular characterization of virulence determinants of <i>Stenotrophomonas maltophilia</i> strains isolated from patients affected by cystic fibrosis. 2007 , 20, 529-37	39
1076	Reconstruction of large skeletal defects due to osteomyelitis with the vascularized fibular graft in children. 2007 , 89, 2233-40	25
1075	Staphylococcal biofilm exopolysaccharide protects against <i>Caenorhabditis elegans</i> immune defenses. 2007 , 3, e57	126
1074	Biofilm surface area in the pediatric nasopharynx: Chronic rhinosinusitis vs obstructive sleep apnea. 2007 , 133, 110-4	90
1073	Flagellar motility is critical for <i>Listeria monocytogenes</i> biofilm formation. 2007 , 189, 4418-24	289
1072	Impact of <i>Mycobacterium ulcerans</i> biofilm on transmissibility to ecological niches and Buruli ulcer pathogenesis. 2007 , 3, e62	159
1071	Mixed-species biofilm formation by lactic acid bacteria and rice wine yeasts. 2007 , 73, 4673-6	58
1070	Why is long-term therapy required to cure tuberculosis?. 2007 , 4, e120	127
1069	The role of small-colony variants in failure to diagnose and treat biofilm infections in orthopedics. 2007 , 78, 299-308	92

1068	Peri-implant tissue is an important niche for <i>Staphylococcus epidermidis</i> in experimental biomaterial-associated infection in mice. 2007 , 75, 1129-36	44
1067	Infektionen von Gelenkendoprothesen bei rheumatischer Grunderkrankung. 2007 , 32, 336-340	
1066	Demonstration of bacterial cells and glycocalyx in biofilms on human tonsils. 2007 , 133, 115-21	58
1065	Bacterial profiling using skin grafting, standard culture and molecular bacteriological methods. 2007 , 16, 171-5	24
1064	Biofilms: recent developments on an old battle. 2007 , 1, 49-57	69
1063	Candidate targets for new antivirulence drugs: selected cases of bacterial adhesion and biofilm formation. 2007 , 2, 643-53	12
1062	Tight modulation of <i>Escherichia coli</i> bacterial biofilm formation through controlled expression of adhesion factors. 2007 , 73, 3391-403	49
1061	Vascular access for HD and CRRT. 2007 , 156, 275-86	25
1060	[Bacterial biofilms]. 2007 , 86, 886-95; quiz 896-9	8
1059	Fingering instabilities of a reactive micellar interface. 2007 , 76, 016202	77
1058	Small and rough colony <i>Pseudomonas aeruginosa</i> with elevated biofilm formation ability isolated in hospitalized patients. 2007 , 51, 929-38	17
1057	High-throughput screening for antimicrobial compounds using a 96-well format bacterial motility absorbance assay. 2007 , 12, 849-54	13
1056	Phosphorylcholine decreases early inflammation and promotes the establishment of stable biofilm communities of nontypeable <i>Haemophilus influenzae</i> strain 86-028NP in a chinchilla model of otitis media. 2007 , 75, 958-65	112
1055	Direct visualization of <i>Propionibacterium acnes</i> in prostate tissue by multicolor fluorescent in situ hybridization assay. 2007 , 45, 3721-8	68
1054	RNAIII-inhibiting peptide affects biofilm formation in a rat model of staphylococcal ureteral stent infection. 2007 , 51, 4518-20	54
1053	Association of putative enteroaggregative <i>Escherichia coli</i> virulence genes and biofilm production in isolates from travelers to developing countries. 2007 , 45, 121-6	61
1052	Mellowing out: adaptation to commensalism by <i>Escherichia coli</i> asymptomatic bacteriuria strain 83972. 2007 , 75, 3688-95	61
1051	Biological Trojan horse: Antigen 43 provides specific bacterial uptake and survival in human neutrophils. 2007 , 75, 30-4	44

1050	Phenotypic and genotypic characterization of <i>Pseudomonas aeruginosa</i> strains isolated from mastitis outbreaks in dairy herds. 2007 , 74, 425-9	24
1049	<i>Pseudomonas aeruginosa</i> AlgR represses the Rhl quorum-sensing system in a biofilm-specific manner. 2007 , 189, 7752-64	80
1048	Weak rolling adhesion enhances bacterial surface colonization. 2007 , 189, 1794-802	55
1047	SadC reciprocally influences biofilm formation and swarming motility via modulation of exopolysaccharide production and flagellar function. 2007 , 189, 8154-64	201
1046	Local and global regulators linking anaerobiosis to cupA fimbrial gene expression in <i>Pseudomonas aeruginosa</i> . 2007 , 189, 8667-76	31
1045	Low-load compression testing: a novel way of measuring biofilm thickness. 2007 , 73, 7023-8	29
1044	Multiple roles of biosurfactants in structural biofilm development by <i>Pseudomonas aeruginosa</i> . 2007 , 189, 2531-9	284
1043	Spatial patterns of DNA replication, protein synthesis, and oxygen concentration within bacterial biofilms reveal diverse physiological states. 2007 , 189, 4223-33	249
1042	Interaction of <i>Candida albicans</i> with adherent human peripheral blood mononuclear cells increases <i>C. albicans</i> biofilm formation and results in differential expression of pro- and anti-inflammatory cytokines. 2007 , 75, 2612-20	105
1041	Caries Inhibitory Activity of the Nano-HA In Vitro. 2007 , 330-332, 251-254	8
1040	Multiple consecutive lavage samplings reveal greater burden of disease and provide direct access to the nontypeable <i>Haemophilus influenzae</i> biofilm in experimental otitis media. 2007 , 75, 4158-72	25
1039	The glycan moieties and the N-terminal polypeptide backbone of a fimbria-associated adhesin, Fap1, play distinct roles in the biofilm development of <i>Streptococcus parasanguinis</i> . 2007 , 75, 2181-8	62
1038	Morphological sequence of Plastipore extrusion in experimental otitis media. 2007 , 116, 779-84	
1037	Evaluation of the in vivo efficacy of topical tobramycin against <i>Pseudomonas</i> sinonasal biofilms. 2007 , 59, 1130-4	54
1036	Impact of <i>Pseudomonas aeruginosa</i> quorum sensing on biofilm persistence in an in vivo intraperitoneal foreign-body infection model. 2007 , 153, 2312-2320	104
1035	Glycosylation of <i>Pseudomonas aeruginosa</i> strain Pa5196 type IV pilins with mycobacterium-like alpha-1,5-linked d-Araf oligosaccharides. 2007 , 189, 151-9	62
1034	Influence of the hydrodynamic environment on quorum sensing in <i>Pseudomonas aeruginosa</i> biofilms. 2007 , 189, 8357-60	81
1033	Global gene expression profiling of asymptomatic bacteriuria <i>Escherichia coli</i> during biofilm growth in human urine. 2007 , 75, 966-76	69

1032	Diversity of biofilms produced by quorum-sensing-deficient clinical isolates of <i>Pseudomonas aeruginosa</i> . 2007 , 56, 738-748	28
1031	The Biofilm Primer. 2007 ,	126
1030	Current management of vascular access. 2007 , 2, 786-800	190
1029	Effects of alcohols, povidone-iodine and hydrogen peroxide on biofilms of <i>Staphylococcus epidermidis</i> . 2007 , 60, 417-20	85
1028	The transition metal gallium disrupts <i>Pseudomonas aeruginosa</i> iron metabolism and has antimicrobial and antibiofilm activity. 2007 , 117, 877-88	435
1027	Pretreatment with the protegrin IB-367 affects Gram-positive biofilm and enhances the therapeutic efficacy of linezolid in animal models of central venous catheter infection. 2007 , 31, 463-8	22
1026	Erosion from <i>Staphylococcus aureus</i> biofilms grown under physiologically relevant fluid shear forces yields bacterial cells with reduced avidity to collagen. 2007 , 73, 1834-41	43
1025	A stochastic mechanism for biofilm formation by <i>Mycoplasma pulmonis</i> . 2007 , 189, 1905-13	30
1024	Synergistic activity of dispersin B and cefamandole nafate in inhibition of staphylococcal biofilm growth on polyurethanes. 2007 , 51, 2733-40	159
1023	Mutations of the quorum sensing-dependent regulator VjbR lead to drastic surface modifications in <i>Brucella melitensis</i> . 2007 , 189, 6035-47	66
1022	Phenotypic and functional characterization of <i>Bacillus anthracis</i> biofilms. 2007 , 153, 1693-1701	33
1021	Nanomechanical properties of glucans and associated cell-surface adhesion of <i>Streptococcus mutans</i> probed by atomic force microscopy under in situ conditions. 2007 , 153, 3124-3132	73
1020	Microbial motility involvement in biofilm structure formation--a 3D modelling study. 2007 , 55, 337-43	68
1019	Antifungal effect of acrylic resin containing apatite-coated TiO2 photocatalyst. 2007 , 26, 437-44	56
1018	Clinical Wound Healing Using Signal Inhibitors. 2007 , 157-170	2
1017	Biotechnological war against biofilms. Could phages mean the end of device-related infections?. 2007 , 30, 805-12	10
1016	<i>Streptococcus pneumoniae</i> : pathogen or protector?. 2007 , 18, 73-78	2
1015	Early predictors for infection recurrence and death in patients with ventilator-associated pneumonia. 2007 , 35, 146-54	121

1014	Biofilms on medical devices. 2007 , 25, 589-94	30
1013	A novel antibacterial gene transfer treatment for multidrug-resistant <i>Acinetobacter baumannii</i> -induced burn sepsis. 2007 , 28, 6-12	15
1012	Methods for removing bacterial biofilms: in vitro study using clinical chronic rhinosinusitis specimens. 2007 , 21, 527-32	66
1011	Infections <i>Staphylocoques</i> : aspects cliniques et bactériologiques. 2007 , 4, 1-8	
1010	Neonatal immune responses to coagulase-negative staphylococci. 2007 , 20, 370-5	45
1009	Recurrent upper airway infections and bacterial biofilms. 2007 , 121, 341-4	29
1008	Bacteria are small but not stupid: cognition, natural genetic engineering and socio-bacteriology. 2007 , 38, 807-19	95
1007	The role of extracellular polymeric substances in the toxicity response of activated sludge bacteria to chemical toxins. 2007 , 41, 4177-85	157
1006	The lipopeptides Pal-Lys-Lys-NH ₂ and Pal-Lys-Lys soaking alone and in combination with intraperitoneal vancomycin prevent vascular graft biofilm in a subcutaneous rat pouch model of staphylococcal infection. 2007 , 28, 1299-303	20
1005	High-Q microsphere biosensor - analysis for adsorption of rodlike bacteria. 2007 , 15, 17410-23	114
1004	Selfprotective smart orthopedic implants. 2007 , 4, 55-64	27
1003	Salmonella in fish feed; occurrence and implications for fish and human health in Norway. 2007 , 265, 1-8	47
1002	Participation of nitric oxide reductase in survival of <i>Pseudomonas aeruginosa</i> in LPS-activated macrophages. 2007 , 355, 587-91	52
1001	The influence of the marine aerobic <i>Pseudomonas</i> strain on the corrosion of 70/30 CuNi alloy. 2007 , 49, 4352-4385	81
1000	Identification and functional characterization of pfm, a novel gene involved in swimming motility of <i>Pseudomonas aeruginosa</i> . 2007 , 401, 19-27	12
999	Effect of tissue fluids on hydrophobicity and adherence of <i>Enterococcus faecalis</i> to dentin. 2007 , 33, 1421-5	24
998	Cytotoxicity of <i>Pseudomonas</i> secreted exotoxins requires OxyR expression. 2007 , 143, 50-7	14
997	The effect of flavonoids on transduction mechanisms in lipopolysaccharide-treated human gingival fibroblasts. 2007 , 7, 1199-210	37

996	The promise and peril of transcriptional profiling in biofilm communities. 2007 , 10, 292-6	82
995	Role of polysaccharides in <i>Pseudomonas aeruginosa</i> biofilm development. 2007 , 10, 644-8	385
994	The influence of human respiratory epithelia on <i>Pseudomonas aeruginosa</i> gene expression. 2007 , 42, 29-35	71
993	Bile salts enhance bacterial co-aggregation, bacterial-intestinal epithelial cell adhesion, biofilm formation and antimicrobial resistance of <i>Bacteroides fragilis</i> . 2007 , 43, 78-87	78
992	A laboratory hot tub model for disinfectant efficacy evaluation. 2007 , 68, 184-92	9
991	Capillary isoelectric focusing--useful tool for detection of the biofilm formation in <i>Staphylococcus epidermidis</i> . 2007 , 68, 530-5	27
990	A new device for rapid evaluation of biofilm formation potential by bacteria. 2007 , 68, 605-12	140
989	A comparative study of biofilm formation by Shiga toxigenic <i>Escherichia coli</i> using epifluorescence microscopy on stainless steel and a microtitre plate method. 2007 , 69, 44-51	32
988	Quantitative analysis of biofilm EPS uronic acid content. 2007 , 71, 61-5	36
987	Expression and functional characterization of <i>gfpmut3.1</i> and its unstable variants in <i>Staphylococcus epidermidis</i> . 2007 , 71, 123-32	16
986	Cystic fibrosis: a disease of vulnerability to airway surface dehydration. 2007 , 13, 231-40	187
985	<i>Helicobacter pylori</i> in the palatine tonsils of patients with IgA nephropathy compared with those of patients with recurrent pharyngotonsillitis. 2007 , 38, 1788-97	27
984	Pilicides-small molecules targeting bacterial virulence. 2007 , 5, 1827-34	84
983	Plasma-Treated Biomaterials. 2007 , 35, 181-187	64
982	Importance of flagella and enterotoxins for <i>Aeromonas</i> virulence in a mouse model. 2007 , 53, 261-9	19
981	Atomic force microscopy study on the attachment of <i>E. coli</i> and <i>S. aureus</i> to a patterned surface of different materials. 2007 ,	
980	Treatment of <i>Staphylococcus aureus</i> biofilm infection by the quorum-sensing inhibitor RIP. 2007 , 51, 2226-9	149
979	Structure-activity relationships of phenyl-furanyl-rhodanines as inhibitors of RNA polymerase with antibacterial activity on biofilms. 2007 , 50, 4195-204	64

978	Pharmacodynamics of antibiotics to treat multidrug-resistant Gram-positive hospital infections. 2007 , 5, 255-70	13
977	Infections in chronic lung diseases. 2007 , 21, 673-95, viii	8
976	Unusual trivial trauma may end with extrusion of a well-functioning penile prosthesis: a case report. 2007 , 1, 34	3
975	Reproductive Tract Infections. 2007 , 84-103	1
974	Antimicrobial Resistance: Problem Pathogens and Clinical Countermeasures. 2007 ,	
973	Modification of Surface-Oxidized Copper Alloy by Coupling of Viologens for Inhibiting Microbiologically Influenced Corrosion. 2007 , 154, C645	38
972	Adhesion and viability of two enterococcal strains on covalently grafted chitosan and chitosan/kappa-carrageenan multilayers. 2007 , 8, 2960-8	72
971	Strain-specific proteome responses of <i>Pseudomonas aeruginosa</i> to biofilm-associated growth and to calcium. 2007 , 153, 3838-3851	67
970	Functional analysis of <i>Burkholderia cepacia</i> genes <i>bceD</i> and <i>bceF</i> , encoding a phosphotyrosine phosphatase and a tyrosine autokinase, respectively: role in exopolysaccharide biosynthesis and biofilm formation. 2007 , 73, 524-34	48
969	Pharyngeal colonization dynamics of <i>Haemophilus influenzae</i> and <i>Haemophilus haemolyticus</i> in healthy adult carriers. 2007 , 45, 3207-17	85
968	Effects of iron on DNA release and biofilm development by <i>Pseudomonas aeruginosa</i> . 2007 , 153, 1318-1328	256
967	Isolation and characterization of biofilm formation-defective mutants of <i>Staphylococcus aureus</i> . 2007 , 75, 1079-88	120
966	Differentiation and distribution of colistin- and sodium dodecyl sulfate-tolerant cells in <i>Pseudomonas aeruginosa</i> biofilms. 2007 , 189, 28-37	153
965	Sweet brushes and dirty proteins. 2007 , 3, 754-762	26
964	<i>Pseudomonas aeruginosa</i> forms biofilms in acute infection independent of cell-to-cell signaling. 2007 , 75, 3715-21	135
963	Dispersing biofilms with engineered enzymatic bacteriophage. 2007 , 104, 11197-202	596
962	Detection of in situ derivatized peptides in microbial biofilms by laser desorption 7.87 eV postionizaton mass spectrometry. 2007 , 79, 508-14	28
961	NMR metabolomics of planktonic and biofilm modes of growth in <i>Pseudomonas aeruginosa</i> . 2007 , 79, 8037-45	53

960	Inhibition of <i>Pseudomonas aeruginosa</i> biofilm formation with Bromoageliferin analogues. 2007 , 129, 6966-7	110
959	Inhibition of staphylococcal biofilm formation by nitrite. 2007 , 189, 7911-9	144
958	Comparison of bacterial adherence to polylactides, silicone, and titanium. 2007 , 127, 587-93	10
957	Cross-kingdom signalling: exploitation of bacterial quorum sensing molecules by the green seaweed <i>Ulva</i> . 2007 , 362, 1223--33	109
956	Inhibition of the bacterial heme oxygenases from <i>Pseudomonas aeruginosa</i> and <i>Neisseria meningitidis</i> : novel antimicrobial targets. 2007 , 50, 3804-13	34
955	Novel approaches to bacterial infection therapy by interfering with bacteria-to-bacteria signaling. 2007 , 5, 271-6	32
954	Ostéite chronique de l'adulte. Diagnostic et prise en charge. 2007 , 9, 120-129	5
953	A randomized controlled trial by the 3DS for dental caries. 2007 , 17, 1-7	2
952	Les facteurs de risque en parodontie : conséquences orthodontiques. 2007 , 5, 393-404	0
951	The impact of a low-frequency chlorhexidine rinsing schedule on the subgingival microbiota (the TEETH clinical trial). 2007 , 78, 1751-8	18
950	Putative role of beta-1,3 glucans in <i>Candida albicans</i> biofilm resistance. 2007 , 51, 510-20	306
949	Impact of engineered surface microtopography on biofilm formation of <i>Staphylococcus aureus</i> . 2007 , 2, 89-94	301
948	[Clinical significance of the antimicrobial resistance of biofilms]. 2007 , 25, 423-4	
947	Origin of phagotrophic eukaryotes as social cheaters in microbial biofilms. 2007 , 2, 3	20
946	Animal models of chronic <i>Pseudomonas aeruginosa</i> lung infection in cystic fibrosis. 2007 , 4, 99-104	3
945	Orthopaedic metal devices coated with a novel antiseptic dye for the prevention of bacterial infections. 2007 , 29, 593-6	33
944	Activity of moxifloxacin on biofilms produced in vitro by bacterial pathogens involved in acute exacerbations of chronic bronchitis. 2007 , 30, 415-21	26
943	Adsorption to metal oxides of the <i>Pseudomonas aeruginosa</i> siderophore pyoverdine and implications for bacterial biofilm formation on metals. 2007 , 23, 7189-95	40

942	Bacterial biofilm adherence to middle-ear ventilation tubes: scanning electron micrograph images and literature review. 2007 , 121, 993-7	25
941	Looking for chinks in the armor of bacterial biofilms. 2007 , 5, e307	154
940	Uterine Therapy for Mares with Bacterial Infections. 2007 , 105-115	3
939	Biofilm formation by multidrug-resistant <i>Salmonella enterica</i> serotype typhimurium phage type DT104 and other pathogens. 2007 , 70, 22-9	50
938	Intravascular Catheters and Biofilm Control. 2007 , 8, 69-80	38
937	References. 2007 , 181-195	
936	Glycobiology of <i>Caenorhabditis elegans</i> . 2007 , 81-100	2
935	Underestimated collateral effects of antibiotic therapy in prosthesis-associated bacterial infections. 2007 , 30, 786-91	5
934	Effects of tigecycline, linezolid and vancomycin on biofilms of viridans streptococci isolates from patients with endocarditis. 2007 , 30, 798-804	6
933	Microbiology of infection in mechanical circulatory support. 2007 , 30, 764-70	11
932	Abstract. 2007 , 8, 133-190	
931	Persisters show heritable phenotype and generate bacterial heterogeneity and noise in protein expression. 2007 ,	
930	Impact of Biofilms on the Treatment of Otitis. 2007 , 86, 5-7	2
929	Distinctin improves the efficacies of glycopeptides and betalactams against staphylococcal biofilm in an experimental model of central venous catheter infection. 2007 , 81, 233-9	9
928	Synthesis, characterization, and in vitro activity of antibiotic releasing polyurethanes to prevent bacterial resistance. 2007 , 81, 287-98	48
927	<i>S. epidermidis</i> biofilm formation: effects of biomaterial surface chemistry and serum proteins. 2007 , 80, 742-51	99
926	Antimicrobial polyethylene with controlled copper release. 2007 , 83, 838-44	46
925	Wet chemical silver treatment of endotracheal tubes to produce antibacterial surfaces. 2007 , 83, 169-80	5

924	Vancomycin covalently bonded to titanium alloy prevents bacterial colonization. 2007 , 25, 858-66	134
923	Chemical composition and barrier properties of Ag nanoparticle-containing sol-gel films in oxidizing and reducing low-temperature plasmas. 2007 , 201, 7865-7872	13
922	Quantitative and morphological analysis of biofilm formation on self-assembled monolayers. 2007 , 57, 174-81	52
921	Fermentation technologies for the production of probiotics with high viability and functionality. 2007 , 18, 176-83	112
920	Penicillin-bound polyacrylate nanoparticles: restoring the activity of beta-lactam antibiotics against MRSA. 2007 , 17, 3468-72	106
919	High-density targeting of a viral multifunctional nanoplatfrom to a pathogenic, biofilm-forming bacterium. 2007 , 14, 387-98	54
918	An alternative infrared spectroscopy assay for the quantification of polysaccharides in bacterial samples. 2007 , 361, 7-14	58
917	Lack of toxicological side-effects in silver-coated megaprotheses in humans. 2007 , 28, 2869-75	242
916	The phenomenon of infection with abdominal wall reconstruction. 2007 , 28, 2314-27	142
915	Use of telechelic cis-1,4-polyisoprene cationomers in the synthesis of antibacterial ionic polyurethanes and copolyurethanes bearing ammonium groups. 2007 , 28, 4200-8	61
914	Continuous measurement of acute toxicity in water using a solid state microrespirometer. 2007 , 126, 515-521	15
913	Using NHANES oral health examination protocols as part of an esophageal cancer screening study conducted in a high-risk region of China. 2007 , 7, 10	14
912	Evaluating antibiotics for use in medicine using a poloxamer biofilm model. 2007 , 6, 2	30
911	Abstracts of the 21st Annual North American Cystic Fibrosis Conference, October 3-6, 2007, Anaheim, California, USA. 2007 , 30, 99-412	
910	Biofilms in ear, nose, and throat infections: how important are they?. 2007 , 117, 668-73	85
909	Respiratory protein-generated reactive oxygen species as an antimicrobial strategy. 2007 , 8, 1114-22	182
908	Does efficiency sensing unify diffusion and quorum sensing?. 2007 , 5, 230-9	382
907	Multimetal resistance and tolerance in microbial biofilms. 2007 , 5, 928-38	446

906	Predicting antibiotic resistance. 2007 , 5, 958-65	255
905	Novel approaches to developing new antibiotics for bacterial infections. 2007 , 152, 1147-54	139
904	Synthetic bromated furanone inhibits autoinducer-2-mediated communication and biofilm formation in oral streptococci. 2007 , 22, 340-6	59
903	Prevention of catheter-related bacteremia in pediatric intestinal transplantation/short gut syndrome children with long-term central venous catheters. 2007 , 11, 87-93	30
902	<i>Pseudomonas aeruginosa</i> cupA-encoded fimbriae expression is regulated by a GGDEF and EAL domain-dependent modulation of the intracellular level of cyclic diguanylate. 2007 , 9, 2475-85	95
901	Response to alkaline stress by root canal bacteria in biofilms. 2007 , 40, 344-55	74
900	A bio-molecular film ex-vivo model to evaluate the influence of canal dimensions and irrigation variables on the efficacy of irrigation. 2008 , 41, 60-71	92
899	The influence of salmon surface mucus on the growth of <i>Flavobacterium columnare</i> . 2008 , 31, 59-69	27
898	Characterization of the OxyR regulon of <i>Neisseria gonorrhoeae</i> . 2007 , 63, 54-68	76
897	Role of NtrC in biofilm formation via controlling expression of the gene encoding an ADP-glycero-manno-heptose-6-epimerase in the pathogenic bacterium, <i>Vibrio vulnificus</i> . 2007 , 63, 559-74	45
896	<i>Streptococcus pyogenes</i> pili promote pharyngeal cell adhesion and biofilm formation. 2007 , 64, 968-83	184
895	The role of iron in <i>Mycobacterium smegmatis</i> biofilm formation: the exochelin siderophore is essential in limiting iron conditions for biofilm formation but not for planktonic growth. 2007 , 66, 468-83	113
894	DNase1L2 suppresses biofilm formation by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . 2007 , 156, 1342-5	64
893	Surface charge influences enterococcal prevalence in mixed-species biofilms. 2007 , 102, 1254-60	16
892	<i>Legionella</i> in the dental office. 2007 , 5, 116-21	2
891	The role of FLO11 in <i>Saccharomyces cerevisiae</i> biofilm development in a laboratory based flow-cell system. 2007 , 7, 372-9	30
890	Specific selection for virulent urinary tract infectious <i>Escherichia coli</i> strains during catheter-associated biofilm formation. 2007 , 51, 212-9	40
889	Biofilm formation by asymptomatic and virulent urinary tract infectious <i>Escherichia coli</i> strains. 2007 , 267, 30-7	61

888	Structure of <i>Proteus mirabilis</i> biofilms grown in artificial urine and standard laboratory media. 2007 , 268, 16-21	41
887	ica and beyond: biofilm mechanisms and regulation in <i>Staphylococcus epidermidis</i> and <i>Staphylococcus aureus</i> . 2007 , 270, 179-88	410
886	Influence of xylem fluid chemistry on planktonic growth, biofilm formation and aggregation of <i>Xylella fastidiosa</i> . 2007 , 274, 210-7	36
885	Quorum sensing in <i>Serratia</i> . 2007 , 31, 407-24	120
884	Decontamination of rough titanium surfaces with diode lasers: microbiological findings on in vivo grown biofilms. 2007 , 18, 126-32	23
883	Hydrophobic interactions in complexes of antimicrobial peptides with bacterial polysaccharides. 2007 , 69, 405-12	28
882	Culture-independent analysis of bacterial diversity in a child-care facility. 2007 , 7, 27	60
881	Autoinducer production and quorum-sensing dependent phenotypes of <i>Pseudomonas aeruginosa</i> vary according to isolation site during colonization of intubated patients. 2007 , 7, 33	22
880	Assessing biofilm formation by <i>Listeria monocytogenes</i> strains. 2007 , 24, 380-92	166
879	Adhesion and detachment kinetics of several strains of <i>Staphylococcus aureus</i> subsp. <i>aureus</i> under three different experimental conditions. 2007 , 24, 585-91	75
878	Microbial biofilms: e pluribus unum. 2007 , 17, R349-53	47
877	Phenotypic and genotypic traits of <i>Staphylococcus aureus</i> strains isolated from pig carcasses. 2007 , 120, 292-9	22
876	Contribution of AIDA-I to the pathogenicity of a porcine diarrheagenic <i>Escherichia coli</i> and to intestinal colonization through biofilm formation in pigs. 2007 , 120, 308-19	31
875	Biofilms and their relevance to veterinary medicine. 2007 , 121, 1-17	84
874	Potential microbial bioinvasions via ships' ballast water, sediment, and biofilm. 2007 , 55, 333-41	159
873	Biofilm formation on pyrolytic carbon heart valves: influence of surface free energy, roughness, and bacterial species. 2007 , 134, 1025-32	52
872	Treatment of dialysis catheter-related <i>Staphylococcus aureus</i> bacteremia with an antibiotic lock: a quality improvement report. 2007 , 50, 289-95	77
871	[In vitro activity of amphotericin B and anidulafungin against <i>Candida</i> spp. biofilms]. 2007 , 24, 272-7	14

- 870 Targeting and photodynamic killing of a microbial pathogen using protein cage architectures functionalized with a photosensitizer. **2007**, 23, 12280-6 88
- 869 Functionalization of Titanium Surfaces via Controlled Living Radical Polymerization: From Antibacterial Surface to Surface for Osteoblast Adhesion. **2007**, 46, 9077-9086 58
- 868 Infectie en desinfectie in de endodontologie. **2007**, 28, 225-228
- 867 Microbial Resource Management: The Road To Go for Environmental Biotechnology. **2007**, 7, 117-126 94
- 866 Effect of environmental factors on biofilm formation by clinical *Stenotrophomonas maltophilia* isolates. **2007**, 52, 86-90 38
- 865 In vitro effect of pH and ethanol on biofilm formation by clinical *Staphylococcus epidermidis* strains. **2007**, 57, 431-437 36
- 864 Microbial interactions in *Staphylococcus epidermidis* biofilms. **2007**, 387, 399-408 115
- 863 Continuous nondestructive monitoring of *Bordetella pertussis* biofilms by Fourier transform infrared spectroscopy and other corroborative techniques. **2007**, 387, 1759-67 42
- 862 Biofilms: strategies for metal corrosion inhibition employing microorganisms. **2007**, 76, 1245-53 169
- 861 [Treatment of septic arthritis of the shoulder and periprosthetic shoulder infections. Special problems in rheumatoid arthritis]. **2007**, 36, 700-7 7
- 860 Inhibition on *Candida albicans* biofilm formation using divalent cation chelators (EDTA). **2007**, 164, 301-6 49
- 859 Photomechanical wave-assisted molecular delivery in oral biofilms. **2007**, 23, 1637-1646 16
- 858 A path-independent integral for the characterization of solute concentration and flux at biofilm detachments. **2007**, 143, 291-300
- 857 Preparation and antibacterial activities of Ag-doped $\text{SiO}_2/\text{TiO}_2$ composite films by liquid phase deposition (LPD) method. **2007**, 42, 10085-10089 24
- 856 Anti-microbial photodynamic therapy: useful in the future?. **2007**, 22, 83-91 248
- 855 Toluidine blue-mediated photoinactivation of periodontal pathogens from supragingival plaques. **2008**, 23, 49-54 49
- 854 Biofilm formation and resistance to bactericides of *Pseudomonas syringae* pv. *theae*. **2007**, 73, 193-196 4
- 853 Biocompatibility of bacterial contaminated prosthetic meshes and porcine dermal collagen used to repair abdominal wall defects. **2007**, 392, 473-8 15

852	New quantitative image analysis of staphylococcal biofilms on the surfaces of nontranslucent metallic biomaterials. 2007 , 12, 178-84	17
851	Antifungal susceptibility of <i>Candida albicans</i> biofilms on titanium discs with different surface roughness. 2007 , 11, 361-8	40
850	Antimicrobial therapy for <i>Stenotrophomonas maltophilia</i> infections. 2007 , 26, 229-37	163
849	Rifampin as adjuvant treatment of Gram-positive bacterial infections: a systematic review of comparative clinical trials. 2007 , 26, 849-56	19
848	Bacterial biofilm in upper respiratory tract infections. 2007 , 9, 186-92	23
847	Effects of quorum sensing autoinducer degradation gene on virulence and biofilm formation of <i>Pseudomonas aeruginosa</i> . 2007 , 50, 385-91	24
846	Bio-oxidation of pyrite, chalcopyrite and pyrrhotite by <i>Acidithiobacillus ferrooxidans</i> . 2007 , 52, 2702-2714	15
845	Biocidal efficacy, biofilm-controlling function, and controlled release effect of chloromelamine-based bioresponsive fibrous materials. 2007 , 28, 1597-609	75
844	The inhibition of <i>Staphylococcus epidermidis</i> biofilm formation by vancomycin-modified titanium alloy and implications for the treatment of periprosthetic infection. 2008 , 29, 4684-90	189
843	Impedimetric approach for monitoring the formation of biofilms on metallic surfaces and the subsequent application to the detection of bacteriophages. 2008 , 53, 5739-5744	29
842	Fiber-optic sensors for the estimation of oxygen gradients within biofilms on metals. 2008 , 46, 321-327	8
841	Measuring acute toxicity using a solid-state microrespirometer. 2008 , 135, 13-20	4
840	Fungal-bacterial biofilms: their development for novel biotechnological applications. 2008 , 24, 739-743	109
839	[The infected implant]. 2008 , 37, 257-67; quiz 268-9	15
838	[Aspiration of joint fluid for detection of the pathogen in periprosthetic infection]. 2008 , 37, 1027-34; quiz 1035-6	15
837	<i>Pseudomonas pseudoalcaligenes</i> KF707 upon biofilm formation on a polystyrene surface acquire a strong antibiotic resistance with minor changes in their tolerance to metal cations and metalloids. 2008 , 190, 29-39	17
836	Towards chemical analysis of nanostructures in biofilms I: imaging of biological nanostructures. 2008 , 391, 1899-905	36
835	Analysis of microbial community during biofilm development in an anaerobic wastewater treatment reactor. 2008 , 56, 121-32	96

834	Identifying <i>Escherichia coli</i> genes involved in intrinsic multidrug resistance. 2008 , 81, 731-41	24
833	The influence of external ultrasound on the histologic architecture or organic capsule around smooth silicone implants: experimental study in rats. 2008 , 32, 451-2	1
832	Role of DNA in bacterial aggregation. 2008 , 57, 139-44	40
831	Cellulose biosynthesis by the beta-proteobacterium, <i>Chromobacterium violaceum</i> . 2008 , 57, 469-76	16
830	The role of bacterial biofilms and the pathophysiology of chronic rhinosinusitis. 2008 , 8, 227-33	43
829	Quorum sensing inhibitory drugs as next generation antimicrobials: worth the effort?. 2008 , 10, 22-8	56
828	Salvage surgery for penile prosthesis infection. 2008 , 5, 115-119	1
827	Antibiotic synergy against biofilm-forming <i>Pseudomonas aeruginosa</i> . 2008 , 53, 57-60	30
826	The effects of betonicine, floridoside, and isethionic acid from the red alga <i>Ahnfeltiopsis flabelliformis</i> on quorum-sensing activity. 2008 , 13, 458-463	28
825	Bacterial communities in the initial stage of marine biofilm formation on artificial surfaces. 2008 , 46, 174-82	138
824	Treatment of catheter-related bacteremia with tissue plasminogen activator antibiotic locks. 2008 , 23, 457-64	9
823	Diagnosis of periprosthetic infection following total hip arthroplasty--evaluation of the diagnostic values of pre- and intraoperative parameters and the associated strategy to preoperatively select patients with a high probability of joint infection. 2008 , 3, 31	91
822	Roles for Fis and YafK in biofilm formation by enteroaggregative <i>Escherichia coli</i> . 2001 , 41, 983-97	174
821	In situ localisation and quantification of surfactins in a <i>Bacillus subtilis</i> swarming community by imaging mass spectrometry. 2008 , 8, 3682-91	74
820	Proteome approaches combined with Fourier transform infrared spectroscopy revealed a distinctive biofilm physiology in <i>Bordetella pertussis</i> . 2008 , 8, 4995-5010	34
819	Micro-organism-triggered release of silver nanoparticles from biodegradable oxide carriers allows preparation of self-sterilizing polymer surfaces. 2008 , 4, 824-32	102
818	Plasma Deposition of Silver Nanoparticles onto Stainless Steel for the Prevention of Fungal Biofilms: A Case Study on <i>Saccharomyces cerevisiae</i> . 2008 , 5, 228-238	34
817	A molecular analysis of prokaryotic and viral DNA sequences in prostate tissue from patients with prostate cancer indicates the presence of multiple and diverse microorganisms. 2008 , 68, 306-20	131

816	Antibiotic glass slide coated with silver nanoparticles and its antimicrobial capabilities. 2008 , 19, n/a-n/a	4
815	Quantitative mouse model of implant-associated osteomyelitis and the kinetics of microbial growth, osteolysis, and humoral immunity. 2008 , 26, 96-105	110
814	Oligonucleotide nanostructured surfaces: effect on Escherichia coli curli expression. 2008 , 8, 1161-72	21
813	Synthesis and screening of an oroidin library against Pseudomonas aeruginosa biofilms. 2008 , 9, 1267-79	97
812	Rapid hydrolysis of quorum-sensing molecules in the gut of lepidopteran larvae. 2008 , 9, 1953-9	29
811	Synthesis and antibiofilm activity of a second-generation reverse-amide oroidin library: a structure-activity relationship study. 2008 , 14, 10745-61	74
810	Reduced medical infection related bacterial strains adhesion on bioactive RGD modified titanium surfaces: a first step toward cell selective surfaces. 2008 , 84, 425-35	106
809	Staphylococcus epidermidis is cleared from biomaterial implants but persists in peri-implant tissue in mice despite rifampicin/vancomycin treatment. 2008 , 85, 498-505	26
808	Bacterial adhesion and osteoblast function on titanium with surface-grafted chitosan and immobilized RGD peptide. 2008 , 86, 865-72	117
807	The local inflammatory environment and microorganisms in "aseptic" loosening of hip prostheses. 2008 , 86, 291-301	36
806	Significance of rpoS during maturation of Escherichia coli biofilms. 2008 , 99, 1462-71	68
805	Amyloids: not only pathological agents but also ordered nanomaterials. 2008 , 47, 4062-9	479
804	Construction and screening of a 2-aminoimidazole library identifies a small molecule capable of inhibiting and dispersing bacterial biofilms across order, class, and phylum. 2008 , 47, 5229-31	95
803	Antimicrobial surfaces through natural product hybrids. 2008 , 47, 7123-6	77
802	Amyloide: nicht nur pathologische Substanzen, sondern auch geordnete Nanomaterialien. 2008 , 120, 4128-4136	52
801	Construction and Screening of a 2-Aminoimidazole Library Identifies a Small Molecule Capable of Inhibiting and Dispersing Bacterial Biofilms across Order, Class, and Phylum. 2008 , 120, 5307-5309	10
800	Antimikrobielle Oberflächen durch Naturstoffhybride. 2008 , 120, 7232-7235	15
799	Proteomics and mass spectrometric studies reveal planktonic growth of Mycobacterium smegmatis in biofilm cultures in the absence of rpoZ. 2008 , 861, 196-202	10

798	Electrospun cellulose acetate fibers containing chlorhexidine as a bactericide. 2008 , 49, 1266-1275	115
797	Preparation of silver/hydroxyapatite nanocomposite spheres. 2008 , 184, 21-24	52
796	Exposure of biofilms to slow flow fields: the convective contribution to growth and disinfection. 2008 , 253, 788-807	46
795	A wireless magnetoelastic-sensing device for in situ evaluation of <i>Pseudomonas aeruginosa</i> biofilm formation. 2008 , 133, 473-477	12
794	Simultaneous determination of rifampicin and levofloxacin concentrations in catheter segments from a mouse model of a device-related infection by liquid chromatography/electrospray ionization tandem mass spectrometry. 2008 , 46, 723-7	15
793	Efficacy of linezolid alone and in combination with rifampin in staphylococcal experimental foreign-body infection. 2008 , 57, 229-35	20
792	Increased adhesion of <i>Enterococcus faecalis</i> strains with bimodal electrophoretic mobility distributions. 2008 , 64, 302-6	8
791	<i>Staphylococcus epidermidis</i> adhesion to He, He/O(2) plasma treated PET films and aged materials: contributions of surface free energy and shear rate. 2008 , 65, 257-68	42
790	Photobactericidal plastic films based on cellulose esterified by chloroacetate and a cationic porphyrin. 2008 , 16, 10091-7	37
789	Real time analysis of <i>Escherichia coli</i> biofilms using calorimetry. 2008 , 47, 1000-1006	19
788	Solid-state NMR studies of bacterial lipoteichoic acid adsorption on different surfaces. 2008 , 34, 154-61	9
787	Surface modification and properties of <i>Bombyx mori</i> silk fibroin films by antimicrobial peptide. 2008 , 254, 2988-2995	89
786	Forming electrochemically active biofilms from garden compost under chronoamperometry. 2008 , 99, 4809-16	61
785	Template assisted synthesis of porous nanofibrous cellulose membranes for tissue engineering. 2008 , 28, 549-554	102
784	Chelated iron sources are inhibitors of <i>Pseudomonas aeruginosa</i> biofilms and distribute efficiently in an in vitro model of drug delivery to the human lung. 2008 , 105, 380-8	33
783	Detection, localization, and conformational analysis of single polysaccharide molecules on live bacteria. 2008 , 2, 1921-9	151
782	Innate and induced resistance mechanisms of bacterial biofilms. 2008 , 322, 85-105	279
781	Regulation of biofilm formation in <i>Escherichia coli</i> K12: Effect of mutations in the genes HNS, STRA, LON, and RPON. 2008 , 23, 159-162	6

780	Detection of a microbial biofilm in intraamniotic infection. 2008 , 198, 135.e1-5	130
779	Biofilm formation and interactions of bacterial strains found in wastewater treatment systems. 2008 , 283, 83-90	85
778	Impact of oleic acid (cis-9-octadecenoic acid) on bacterial viability and biofilm production in <i>Staphylococcus aureus</i> . 2008 , 287, 149-55	56
777	Biofilm-detached cells, a transition from a sessile to a planktonic phenotype: a comparative study of adhesion and physiological characteristics in <i>Pseudomonas aeruginosa</i> . 2009 , 290, 135-42	53
776	Non-surgical treatment of peri-implant mucositis and peri-implantitis: a literature review. 2008 , 35, 305-15	356
775	Comparison of toluidine blue-mediated photodynamic therapy and conventional scaling treatment for periodontitis in rats. 2008 , 43, 162-7	56
774	<i>Boesenbergia pandurata</i> (Roxb.) Schltr., <i>Eleutherine americana</i> Merr. and <i>Rhodomyrtus tomentosa</i> (Aiton) Hassk. as antibiofilm producing and antiquorum sensing in <i>Streptococcus pyogenes</i> . 2008 , 53, 429-36	75
773	Topical antimicrobial therapy of chronic wounds healing by secondary intention using iodine products. 2008 , 5, 361-8	63
772	Correlated biofilm imaging, transport and metabolism measurements via combined nuclear magnetic resonance and confocal microscopy. 2008 , 2, 121-31	67
771	<i>Pseudomonas aeruginosa</i> uses type III secretion system to kill biofilm-associated amoebae. 2008 , 2, 843-52	101
770	In vitro activity of mupirocin on clinical isolates of <i>Staphylococcus aureus</i> and its potential implications in chronic rhinosinusitis. 2008 , 118, 535-40	79
769	Gentian violet and ferric ammonium citrate disrupt <i>Pseudomonas aeruginosa</i> biofilms. 2008 , 118, 2050-6	16
768	Tolerance to antimicrobial agents and persistence of <i>Escherichia coli</i> and cyanobacteria. 2008 , 73, 833-8	6
767	Establishing bacterial communities by 'word of mouth': LuxS and autoinducer 2 in biofilm development. 2008 , 6, 635-43	153
766	Why chronic wounds will not heal: a novel hypothesis. 2008 , 16, 2-10	596
765	Biofilms in chronic wounds. 2008 , 16, 37-44	1014
764	In vitro multispecies Lubbock chronic wound biofilm model. 2008 , 16, 805-13	132
763	Infection associated with tunneled hemodialysis catheters. 2008 , 21, 528-38	82

762	Surface-treated catheters--a review. 2008 , 21, 542-6	49
761	Capacity of multidrug-resistant clinical isolates of <i>Acinetobacter baumannii</i> to form biofilm and adhere to epithelial cell surfaces. 2008 , 14, 49-54	212
760	From iron oxides to infections. 2008 , 6, 196-200	8
759	EhaA is a novel autotransporter protein of enterohemorrhagic <i>Escherichia coli</i> O157:H7 that contributes to adhesion and biofilm formation. 2008 , 10, 589-604	101
758	Global impact of <i>Vibrio cholerae</i> interactions with chitin. 2008 , 10, 1400-10	187
757	<i>Phytophthora parasitica</i> biofilm formation: installation and organization of microcolonies on the surface of a host plant. 2008 , 10, 2164-71	25
756	Identification of genes transcribed by <i>Haemophilus parasuis</i> in necrotic porcine lung through the selective capture of transcribed sequences (SCOTS). 2008 , 10, 3326-36	34
755	Role of sucrose in the fitness of <i>Streptococcus mutans</i> . 2008 , 23, 213-9	49
754	Biofilm formation and autoinducer-2 signaling in <i>Streptococcus intermedius</i> : role of thermal and pH factors. 2008 , 23, 492-7	26
753	Biofilm on the apical region of roots in primary teeth with vital and necrotic pulps with or without radiographically evident apical pathosis. 2008 , 41, 664-9	32
752	Tolerance to the antimicrobial peptide colistin in <i>Pseudomonas aeruginosa</i> biofilms is linked to metabolically active cells, and depends on the <i>pmr</i> and <i>mexAB-oprM</i> genes. 2008 , 68, 223-40	349
751	Growth of <i>Mycobacterium tuberculosis</i> biofilms containing free mycolic acids and harbouring drug-tolerant bacteria. 2008 , 69, 164-74	355
750	Identification of FleQ from <i>Pseudomonas aeruginosa</i> as a c-di-GMP-responsive transcription factor. 2008 , 69, 376-89	477
749	In vitro effect of subinhibitory concentrations of antibiotics on biofilm formation by clinical strains of <i>Salmonella enterica</i> serovar Typhimurium isolated in Slovakia. 2008 , 104, 1294-301	53
748	Anti-adhesive properties of fish tropomyosins. 2008 , 105, 141-50	18
747	A novel cationic-peptide coating for the prevention of microbial colonization on contact lenses. 2008 , 105, 1817-25	169
746	Biofilm-grown <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> SC exhibit both phenotypic and genotypic variation compared with planktonic cells. 2008 , 129, 315-24	20
745	Microscopia eléctrica de barrido ambiental para la detección de biopelículas en las amígdalas. 2008 , 59, 16-20	2

744	Comparison of prevalence of microorganisms on titanium and silicone/polymethyl methacrylate obturators used for rehabilitation of maxillary defects. 2008 , 99, 400-5	30
743	Characterization of biofilm matrix, degradation by DNase treatment and evidence of capsule downregulation in <i>Streptococcus pneumoniae</i> clinical isolates. 2008 , 8, 173	184
742	Survey of bacterial diversity in chronic wounds using pyrosequencing, DGGE, and full ribosome shotgun sequencing. 2008 , 8, 43	532
741	Effects of commonly used food preservatives on biofilm formation of <i>Streptococcus mutans</i> in vitro. 2008 , 53, 765-72	39
740	Effect of biofilm formation on virulence factor secretion via the general secretory pathway in <i>Streptococcus mutans</i> . 2008 , 53, 1179-85	19
739	Recent advances in molecular techniques to study microbial communities in food-associated matrices and processes. 2008 , 25, 745-61	157
738	<i>Candida</i> biofilms: is adhesion sexy?. 2008 , 18, R717-20	28
737	<i>Staphylococcus aureus</i> utilizes environmental RNA as a building material in specific polysaccharide-dependent biofilms.. 2022 , 8, 17	0
736	Study of the Influence of <i>Pseudomonas aeruginosa</i> on Brass and (H) Brass Behavior Against Corrosion in Drinking Water. 2022 , 8, 1	
735	Optogenetic tools for microbial synthetic biology.. 2022 , 107953	0
734	Interplay of physico-chemical and mechanical bacteria-surface interactions with transport processes controls early biofilm growth: A review.. 2022 , 304, 102665	1
733	Present status and future directions - irrigants and irrigation methods.. 2022 ,	6
732	A Smart Hydrogel with Anti-biofilm and Anti-virulence Activities to Treat <i>P. aeruginosa</i> Infections.. 2022 , e2200299	0
731	A review on the antimicrobial and antibiofilm activity of doped hydroxyapatite and its composites for biomedical applications. 2022 , 31, 103311	2
730	Synergy of light-controlled Pd nanozymes with NO therapy for biofilm elimination and diabetic wound treatment acceleration. 2022 , 24, 100831	0
729	Synergistic photodynamic/photothermal bacterial inactivation over heterogeneous quaternized chitosan/silver/cobalt phosphide nanocomposites.. 2022 , 616, 304-315	4
728	Functional modification of polydimethylsiloxane nanocomposite with silver nanoparticles-based montmorillonite for antibacterial applications. 2022 , 642, 128666	2
727	Effect of Filter Media on Performance of Biofilm Reactor for Treatment of Domestic Wastewater. 2022 , 26,	

726	Antibiotic Susceptibility And Biofilm Formation Of Clinical Isolates Of Pseudomonas Species From Wounds Specimens.	
725	Evaluation of Antimicrobial Activity of Iron Oxide Nanoparticles on Biofilm Production and Antibiotic Resistance in Acinetobacter baumannii Strains. 2021 , 36, 210-219	
724	Zooplankton as a transitional host for Escherichia coli in freshwater.	0
723	Synthesis, Antimicrobial Assay and SARs of Pyrazole Included Heterocyclic Derivatives. 1-15	0
722	Autoinducer Analogs Can Provide Bactericidal Activity to Macrolides in through Antibiotic Tolerance Reduction.. 2021 , 11,	0
721	Socialization of Providencia stuartii enables resistance to environmental insults.	
720	The Engineered Antibiotic Peptide PLG0206 Eliminates Biofilms and Is a Potential Treatment for Periprosthetic Joint Infections.. 2021 , 11,	0
719	Hyaluronic acid based nanomedicines as promising wound healers for acute-to-chronic wounds: a review of recent updates and emerging trends. 1-19	1
718	Ribosomal Hibernation-Associated Factors in .. 2021 , 10,	2
717	A Randomized, Double-Blind, Placebo-Controlled Clinical Trial of a Mouthwash Containing Extract for Preventing Dental Caries.. 2021 , 19,	0
716	Molecular and Cellular Mechanisms Influenced by Postbiotics.. 2021 , 22,	5
715	Small molecule targeting amyloid fibrils inhibits Streptococcus mutans biofilm formation.. 2021 , 11, 171	2
714	Genetic and transcriptomic characteristics of RhlR-dependent quorum sensing in cystic fibrosis isolates of Pseudomonas aeruginosa.	
713	Temperature-Dependent Influence of FliA Overexpression on PHL628 Biofilm Growth and Composition.. 2021 , 11, 775270	0
712	Prognostic factors for surgical site infection following intramedullary nailing of diaphyseal fractures of the femur and tibia in adult patients at a tertiary hospital in Lusaka, Zambia.. 2021 , 494755211064657	
711	Microplastics in the Food Chain.. 2021 , 11,	7
710	Micro-/Nanorobots in Antimicrobial Applications: Recent Progress, Challenges, and Opportunities.. 2021 , e2101991	5
709	Antimicrobial activity of a novel Spanish propolis against planktonic and sessile oral Streptococcus spp.. 2021 , 11, 23860	1

708	Potential of Flow Cytometric Approaches for Rapid Microbial Detection and Characterization in the Food Industry-A Review.. 2021 , 10,	2
707	Oxacillin (Methicillin) Resistant Staphylococci in Domestic Animals in the Czech Republic.. 2021 , 10,	
706	In vitro activities of cellulase and ceftazidime, alone and in combination against <i>Pseudomonas aeruginosa</i> biofilms.. 2021 , 21, 347	3
705	Role of Microplastics as Attachment Media for the Growth of Microorganisms. 2022 , 313-325	0
704	Nanotechnology: A Recent Breakthrough Against Resistant Biofilm Infection. 2022 , 345-370	
703	Updates in the Use of Antibiotics, Biofilms.. 2022 , 52, e1-e19	
702	Biofilm and Gene Expression Characteristics of the Carbapenem-Resistant Enterobacterales, IMP, and NDM-1 Associated with Common Bacterial Infections.. 2022 , 19,	0
701	Cu-Doped Hollow Bioactive Glass Nanoparticles for Bone Infection Treatment.. 2022 , 14,	0
700	Zooplankton as a Transitional Host for in Freshwater.. 2022 , e0252221	1
699	Carbon Dots as Drug Delivery Vehicles for Antimicrobial Applications: A Minireview.. 2022 ,	0
698	Positive biofilms to guide surface microbial ecology in livestock buildings.. 2022 , 4, 100075	0
697	Calcium carbonate mineralization is essential for biofilm formation and lung colonization.. 2022 , 25, 104234	0
696	Genetic and Transcriptomic Characteristics of RhlR-Dependent Quorum Sensing in Cystic Fibrosis Isolates of <i>Pseudomonas aeruginosa</i> .. 2022 , 7, e0011322	0
695	Microevolution of the and Reinforces the Bias of Quorum Sensing System in Laboratory Strains of PAO1.. 2022 , 13, 821895	1
694	Availability of polyamines affects virulence and survival of <i>Neisseria meningitidis</i> .. 2022 ,	0
693	Mucoid <i>Pseudomonas aeruginosa</i> Can Produce Calcium-Gelled Biofilms Independent of the Matrix Components Psl and CdrA.. 2022 , e0056821	2
692	Biofilms preserve transmissibility of a multi-drug resistance plasmid.	
691	Chapter 4. Biological Consequences of the BloodSurface Interaction. 136-183	

690 Data_Sheet_1.docx. **2019**,

689 Data_Sheet_2.xls. **2019**,

688 Data_Sheet_3.pdf. **2019**,

687 Data_Sheet_4.xlsx. **2019**,

686 Data_Sheet_5.xlsx. **2019**,

685 Image1.TIF. **2018**,

684 Image2.TIF. **2018**,

683 Image3.TIF. **2018**,

682 Image4.TIF. **2018**,

681 Image5.TIF. **2018**,

680 Image6.TIF. **2018**,

679 Image7.tif. **2018**,

678 Image_1.JPEG. **2018**,

677 Table_1.DOCX. **2018**,

676 Table_1.pdf. **2019**,

675 DataSheet1.ZIP. **2018**,

674 Presentation1.PDF. **2018**,

673 Table1.xlsx. **2018**,

672 Table2.xlsx. **2018**,

671 Table3.xlsx. **2018**,

670 Video1.MP4. **2018**,

669 Video2.MP4. **2018**,

668 DataSheet_1.pdf. **2020**,

667 Data_Sheet_1.zip. **2019**,

666 Data_Sheet_1.docx. **2019**,

665 Table_1.DOCX. **2019**,

664 Table_2.XLSX. **2019**,

663 Data_Sheet_1.PDF. **2019**,

662 Data_Sheet_1.docx. **2018**,

661 Data_Sheet_2.docx. **2018**,

660 Table_1.docx. **2018**,

659 Table_2.docx. **2018**,

658 Table_3.docx. **2018**,

657 Table_4.docx. **2018**,

656 Data_Sheet_1.pdf. **2019**,

655 Data_Sheet_1.docx. **2018**,

654 Data_Sheet_1.pdf. **2019,**

653 Data_Sheet_2.xlsx. **2019,**

652 Data_Sheet_1.XLS. **2019,**

651 Data_Sheet_2.XLS. **2019,**

650 Image_1.TIF. **2019,**

649 Image_2.TIF. **2019,**

648 Image_3.TIF. **2019,**

647 Image_4.TIF. **2019,**

646 Image_5.TIF. **2019,**

645 Image_6.TIFF. **2019,**

644 Image_7.TIF. **2019,**

643 Table_1.docx. **2019,**

642 Table_1.doc. **2019,**

641 Data_Sheet_1.docx. **2020,**

640 Data_Sheet_1.docx. **2020,**

639 Table_1.DOCX. **2019,**

638 Data_Sheet_1.PDF. **2020,**

637 Image_1.PDF. **2020,**

636 Image_2.PDF. 2020,

635 Table_1.PDF. 2020,

634 Table_2.PDF. 2020,

633 Image_1.PDF. 2018,

632 Data_Sheet_1.PDF. 2020,

631 Image_1.TIF. 2019,

630 Image_2.TIF. 2019,

629 Image_3.TIF. 2019,

628 Image_4.TIF. 2019,

627 Image_5.TIF. 2019,

626 Image_1.JPEG. 2019,

625 Image_2.JPEG. 2019,

624 Image_3.JPEG. 2019,

623 Image_4.JPEG. 2019,

622 Image_5.JPEG. 2019,

621 Image_6.jpeg. 2019,

620 Table_1.docx. 2019,

619 Table_1.DOCX. 2019,

618 Data_Sheet_1.docx. **2019,**

617 Presentation_1.PDF. **2018,**

616 Data_Sheet_1.pdf. **2019,**

615 Presentation_1.PPTX. **2020,**

614 Presentation_2.PPTX. **2020,**

613 Presentation_3.PPTX. **2020,**

612 Table_1.XLSX. **2020,**

611 Data_Sheet_1.PDF. **2020,**

610 Table_1.XLS. **2020,**

609 Table_2.XLS. **2020,**

608 Table_3.XLS. **2020,**

607 Table_4.XLS. **2020,**

606 Data_Sheet_1.PDF. **2018,**

605 Image_1.PDF. **2018,**

604 Image_2.PDF. **2018,**

603 Image_3.PDF. **2018,**

602 Image_4.PDF. **2018,**

601 Table_1.PDF. **2018,**

600 Table_2.PDF. **2018**,

599 Table_3.XLSX. **2018**,

598 Image_1.JPEG. **2019**,

597 Image_2.JPEG. **2019**,

596 Table_1.DOCX. **2019**,

595 Table_1.DOCX. **2019**,

594 Image_1.tif. **2020**,

593 Table_1.docx. **2020**,

592 Table_2.docx. **2020**,

591 Data_Sheet_1.xlsx. **2020**,

590 Image_1.tif. **2020**,

589 Image_2.tif. **2020**,

588 Image_3.tif. **2020**,

587 Image_4.tif. **2020**,

586 Table_1.docx. **2020**,

585 Data_Sheet_1.pdf. **2020**,

584 DataSheet1.xlsx. **2018**,

583 Image_1.TIF. **2020**,

582 Image_2.TIF. 2020,

581 Table_1.docx. 2020,

580 Table_2.docx. 2020,

579 Data_Sheet_1.docx. 2020,

578 Image_1.TIFF. 2021,

577 Table_1.XLSX. 2021,

576 Image_1.tiff. 2020,

575 Image_2.tiff. 2020,

574 Image_3.tiff. 2020,

573 Image_4.tiff. 2020,

572 Image_5.tiff. 2020,

571 Image_6.tiff. 2020,

570 Image_7.tiff. 2020,

569 Image_8.tiff. 2020,

568 Table_1.docx. 2020,

567 Table_2.docx. 2020,

566 Table_3.docx. 2020,

565 Table_4.xlsx. 2020,

564 Table_5.xlsx. **2020**,

563 Table_6.xlsx. **2020**,

562 Table_7.xlsx. **2020**,

561 The expression of glycosyltransferases sdgA and sdgB in Staphylococcus epidermidis depends on the conditions of biofilm formation.. **2022**, 204, 274

560 Thermoplastic zwitterionic elastomer with critical antifouling properties.. **2022**,

559 Sanguinarine synergistically potentiates aminoglycoside-mediated bacterial killing.. **2022**,

o

558 A proof-of-concept study of the removal of early and late phase biofilm from skin wound models using a liquid acoustic stream.. **2022**,

557 Bioresponsive nano-antibacterials for HS-sensitized hyperthermia and immunomodulation against refractory implant-related infections.. **2022**, 8, eabn1701

6

556 Multi-purpose Disinfecting Solutions only Partially Inhibit the Development of Ocular Microbes Biofilms in Contact Lens Storage Cases. **2021**, 28, 116-122

555 Our Perception of Autoimmunity and Microbes. **2022**, 105-108

554 Potential of Metal Oxide Nanoparticles and Nanocomposites as Antibiofilm Agents: Leverages and Limitations. **2022**, 163-209

o

553 Bioprospecting of the Probiotic Potential of Yeasts Isolated from a Wine Environment.

552 Biofilm Formation of Food-Borne Pathogens. **2022**, 461-497

551 Response of Foodborne Pathogens to Osmotic Stress. **2022**, 125-140

550 Functional amyloids from bacterial biofilms - structural properties and interaction partners.

o

549 FEATURES OF THE BIOCENOSIS OF TROPIC ULCERS ON THE BACKGROUND OF CHRONIC VENOUS INSUFFICIENCY, THE POSSIBILITY OF TREATMENT. **2022**, 55-59

o

548 Socialization of *Providencia stuartii* Enables Resistance to Environmental Insults. **2022**, 10, 901

o

547 Mechanism Involved in Biofilm Formation of *Enterococcus faecalis*.

546 Efficacy of Radiations against Bacterial Biofilms.

545 In Silico and Experimental Investigation of the Biological Potential of Some Recently Developed Carprofen Derivatives.. **2022**, 27,

544 Whither NMR of Biofilms?. **2022**, 225-235

543 Ultrasound-Activated Nanodroplet Disruption of the Biofilm in Dental Root Canal.. **2022**,

542 Molecular Pathogenesis and Clinical Impact of Biofilms in Surgery.

541 Epigallocatechin-3-Gallate Ameliorates Acute Lung Damage by Inhibiting Quorum-Sensing-Related Virulence Factors of .. **2022**, 13, 874354

540 FUNGAL BIOFILMS: INSIGHTS FOR THE FOOD INDUSTRY. **2022**, 46, 100846

539 Could Bacillus biofilms enhance the effectivity of biocontrol strategies in the phyllosphere?. **2022**,

538 Microbiology and Epidemiology of Escherichia albertii: An Emerging Elusive Foodborne Pathogen. **2022**, 10, 875

537 Review on Stenotrophomonas maltophilia: an emerging multidrug-resistant opportunistic pathogen.. **2022**,

536 Natural transformation allows transfer of SCCmec-mediated methicillin resistance in Staphylococcus aureus biofilms.. **2022**, 13, 2477

535 Antibiofilm activity of phytochemicals against Enterococcus faecalis: A literature review.. **2022**,

534 Antiplanktonic and Antibiofilm Activity of Rheum palmatum against Streptococcus oralis and Porphyromonas gingivalis. **2022**, 10, 965

533 Inosine and D-Mannose Secreted by Drug-Resistant Affect Viability of Lung Epithelial Cells.. **2022**, 27,


532 Improving the Hemocompatibility of Antimicrobial Peptidomimetics through Amphiphilicity Masking Using a Secondary Amphiphilic Polymer.. **2022**, e2200546

531 Multidrug-Resistant and Virulent Organisms Trauma Infections: Trauma Infectious Disease Outcomes Study Initiative.. **2022**, 187, 42-51

530 Nanomaterials enabling clinical translation of antimicrobial photodynamic therapy.. **2022**,

529 Supermagnetic halloysite nanotubes surface-tuned with aminosilane for protease immobilization and applied for eradication of bacterial biofilm. **2022**, 593, 153469

528	Modified PCL/PEG/GelMA electrospun blends reduced biofilm formation. 2022 , 320, 132315	
527	Light controlled drug-based supramolecular polymer self-assemblies for efficient antibacterial manipulation. 2022 , 1, 100014	1
526	Tri-functional unit groups contained polyurethane composites with excellent antibacterial property and biocompatibility.	0
525	Antibacterial and Antibiofilm Activities of Novel Antimicrobial Peptide DP7 against the Periodontal Pathogen Porphyromonas gingivalis.. 2022 ,	0
524	Simulated large joint fluid model for evaluating intra-articular antibiotic delivery systems: initial evaluation using antibiotic-loaded calcium sulfate beads. 2022 , 7, 117-125	
523	Genetic Diversity, Biofilm Formation, and Antibiotic Resistance of Pseudomonas aeruginosa Isolated from Cow, Camel, and Mare with Clinical Endometritis. 2022 , 9, 239	1
522	Deconstructing the PhageBacterial Biofilm Interaction as a Basis to Establish New Antibiofilm Strategies. 2022 , 14, 1057	2
521	Application of GeraniolChitosan Blend Film with Quorum Sensing Inhibitory Activity as Packaging Materials for Biofilm Control in Fresh Fruit and Vegetable.	0
520	Quantifying yeast colony morphologies with feature engineering from time-lapse photography.. 2022 , 9, 216	
519	Challenges in the diagnosis and management of wound infection.. 2022 ,	0
518	Acute and chronic wound infections: microbiological, immunological, clinical and therapeutic distinctions.. 2022 , 31, 436-445	4
517	Avenues of sustainable pollutant bioremediation using microbial biofilms. 2022 , 121-153	0
516	A Self-Cleaning Surface Based on UV-Activatable, AgCl Micropumps for Bacterial Killing and Removal.	
515	Phytochemical profiling, antibacterial and antioxidant properties of Crocus sativus flower: A comparison between tepals and stigmas. 2022 , 20, 431-443	1
514	A Combination of Pharmacophore-Based Virtual Screening, Structure-Based Lead Optimization, and DFT Study for the Identification of S. epidermidis TcaR Inhibitors. 2022 , 15, 635	1
513	Horizontal Transfer of Virulence Factors by Pathogenic Enterobacteria to Marine Saprotrophic Bacteria during Co-Cultivation in Biofilm. 2022 , 11, 17	
512	Structural Polymorphism of Lysozyme Amyloid Fibrils. 2022 , 16, 259-267	0
511	Evolution towards small colony variants of pandemic multidrug resistant ST131 Escherichia coli isolates from a 10-year bone infection.	

510	Identification of Protein drug targets of Biofilm formation and Quorum sensing in multidrug resistant <i>Enterococcus faecalis</i> . 2022 , 23,	
509	Potential of Continuous Local Antibiotic Perfusion Therapy for Fracture-Related Infections.	
508	Pharmacokinetic evaluation of cefiderocol for the treatment of multidrug resistant Gram-negative infections.	
507	Phytochemically stabilized chitosan encapsulated Cu and Ag nanocomposites to remove cefuroxime axetil and pathogens from the environment. 2022 , 212, 451-464	1
506	Liquid crystalline lipid nanoparticle promotes the photodynamic activity of gallium protoporphyrin against <i>S. aureus</i> biofilms. 2022 , 232, 112474	0
505	Precisely controlled and deeply penetrated micro-nano hybrid multifunctional motors with enhanced antibacterial activity against refractory biofilm infections. 2022 , 436, 129210	1
504	In situ real-time investigation of <i>Staphylococcus aureus</i> on hemisphere-patterned polyurethane films. 2022 , 216, 112577	
503	 2022 , 98-117	
502	Magnetoelectrically Ignited Nanozyme-Eel for Combating Bacterial Biofilms.	1
501	Clinical Infections, Antibiotic Resistance, and Pathogenesis of <i>Staphylococcus haemolyticus</i> . 2022 , 10, 1130	2
500	<i>E. coli</i> biofilm formation and its susceptibility towards T4 bacteriophages studied in a continuously operating mixing tubular bioreactor system.	1
499	Current Perspectives for Engineering Antimicrobial Nanostructured Materials. 2022 , 100399	0
498	Microbial Biofilms. 2022 , 249-267	
497	Clinical <i>Escherichia coli</i> : From Biofilm Formation to New Antibiofilm Strategies. 2022 , 10, 1103	3
496	<i>Pseudomonas aeruginosa</i> contracts mucus to rapidly form biofilms in tissue-engineered human airways.	0
495	Recent Advances in 3D Bioprinting: A Review of Cellulose-Based Biomaterials Ink. 2022 , 14, 2260	0
494	Facile, fluorine-free fabrication of bacterial antifouling titanium alloy Ti6Al4V surfaces for surgically implanted devices. 2022 , 128580	1
493	Hybrid N-Acylcysteines as Dual-Acting Matrix Disruptive and Anti-Quorum Sensing Agents Fighting <i>Pseudomonas aeruginosa</i> Biofilms: Design, Synthesis, Molecular Docking Studies, and In Vitro Assays.	0

- 492 Marine natural products and their synthetic analogs as promising antibiofilm agents for antibiotics discovery and development. **2022**, 114513 2
- 491 Mycobacterium tuberculosis survival and biofilm formation studies: effect of d-amino acids, d-cycloserine and its components.
- 490 Shielding Surfaces from Viruses and Bacteria with a Multiscale Coating. 2201415 1
- 489 Pseudomonas aeruginosa strains from both clinical and environmental origins readily adopt a stable small colony variant (SCV) phenotype resulting from single mutations in c-di-GMP pathways.
- 488 Current management trends for surgical site infection after posterior lumbar spinal instrumentation. A systematic review. **2022**, 0
- 487 Improvement of antimicrobial susceptibility testing in biofilm-growing coagulase-negative Staphylococcus hominis. **2022**, 198, 106493 1
- 486 A 3D calcium-deficient hydroxyapatite-based scaffold with gold nanoparticles effective against Micrococcus luteus as an artificial bone substitute. **2022**, 219, 110793 1
- 485 Occurrence and fate of bacterial endotoxins in the environment (air, water, wastewater) and remediation technologies: An overview. **2022**, 303, 135089 2
- 484 A photo-thermal nanocomposite capable of relieving inflammatory response to compete multidrug-resistant pseudomonas aeruginosa infection. **2022**, 446, 137173 0
- 483 Design, Synthesis and Biological Evaluation of Benzoheterocyclic Sulfoxide Derivatives as Quorum Sensing Inhibitors in Pseudomonas Aeruginosa.
- 482 Biocontrol from the Rhizosphere: Probiotic Pseudomonads. **2022**, 179-212
- 481 S-Nitroso-N-acetylpenicillamine grafted silicone oil for antibacterial interface applications. 0
- 480 A PEDOT nano-composite for hyperthermia and elimination of urological bacteria. **2022**, 212994 0
- 479 In vitro and in vivo antibacterial activity of sea anemone-isolated Vibrio parahaemolyticus against Yersinia ruckeri. 0
- 478 Filamentous Pseudomonas Phage Pf4 in the Context of Therapy-Inducibility, Infectivity, Lysogenic Conversion, and Potential Application. **2022**, 14, 1261 0
- 477 A Flagella Hook Coding Gene flgE Positively Affects Biofilm Formation and Cereulide Production in Emetic Bacillus cereus. 13, 0
- 476 Photothermal nanofibrillar membrane based on hyaluronic acid and graphene oxide to treat Staphylococcus aureus and Pseudomonas aeruginosa infected wounds. **2022**, 1
- 475 Nosocomial Pneumonia in the Mechanically Ventilated Patient.

- 474 Differential metabolism between biofilm and suspended *Pseudomonas aeruginosa* cultures in bovine synovial fluid by 2D NMR-based metabolomics.
- 473 Rapid adaptation of a complex trait during experimental evolution of *Mycobacterium tuberculosis*. 11, 0
- 472 Cytocompatible Amphipathic Carbon Quantum Dots as Potent Membrane-Active Antibacterial Agents with Low Drug Resistance and Effective Inhibition of Biofilm Formation. 1
- 471 Construction of DNA-Conjugated Covalent Organic Frameworks with Enhanced Photodynamic, Photothermal, and Nanozymatic Activities for Efficient Bacterial Inhibition. **2022**, 14, 28289-28300 3
- 470 The Complex Mechanism of the *Salmonella typhi* Biofilm Formation That Facilitates Pathogenicity: A Review. **2022**, 23, 6462 1
- 469 Thymol Increases Sensitivity of Clinical Col-R Gram-Negative Bacteria to Colistin. 1
- 468 Zeolite 4A as a jammer of bacterial communication in *Chromobacterium violaceum* and *Pseudomonas aeruginosa*. 0
- 467 Liverpool Epidemic Strain Isolates of *Pseudomonas aeruginosa* Display High Levels of Antimicrobial Resistance during Both Planktonic and Biofilm Growth. 2
- 466 The Current Knowledge on the Pathogenesis of Tissue and Medical Device-Related Biofilm Infections. **2022**, 10, 1259 1
- 465 Microbially-derived cocktail of carbohydrases as an anti-biofouling agents: a green approach 1-27 1
- 464 Characterization of Distinct Biofilm Cell Subpopulations and Implications in Quorum Sensing and Antibiotic Resistance. 0
- 463 Recombinant Pils: Cloning, Expression and Biochemical Characterization of a Pil-Fimbriae Subunit. **2022**, 10, 1174
- 462 Novel liposome-like assemblies composed of phospholipid-porphyrin conjugates with photothermal and photodynamic activities against bacterial biofilms. **2022**, 623, 121915 0
- 461 EFFECT OF D-RIBOSE ON *FUSOBACTERIUM NUCLEATUM* PLANKTONIC PROLIFERATION AND BIOFILM MATURATION. **2022**, 13,
- 460 Role of environmental stresses in elevating resistance mutations in bacteria: Phenomena and mechanisms. **2022**, 307, 119603 3
- 459 Septic Ankle Arthritis and Tibial Osteomyelitis. **2022**, 759-799
- 458 Role of biofilm in host-pathogen interaction. **2022**, 227-272
- 457 Treatment of Periodontal Disease with Cationic Dextran Through Biofilm Phase Transition.

- 456 Biofilm: Design of experiments and relevant protocols. **2022**, 1-27
- 455 Antibiotic resistance in biofilm-forming pathogenic Coliforms & the role of membrane proteins. **2022**, 273-287 0
- 454 Quorum Sensing Inhibition Based Drugs to Conquer Antimicrobial Resistance.
- 453 Multispecies biofilms in fermentation: Biofilm formation, microbial interactions, and communication. 0
- 452 Antimicrobial Peptides against Multidrug-Resistant *Pseudomonas aeruginosa* Biofilm from Cystic Fibrosis Patients. **2022**, 65, 9050-9062 2
- 451 Bacterial adhesion inhibition on water treatment membrane by a modified HHC-36 antimicrobial peptide.
- 450 A mechanistic understanding of biofilm morphogenesis: Coexistence of mobile and sessile aggregates and phase-separated patterns.
- 449 Biofilms with a dash of color: A hands-on activity for school students to build a biofilm model, and use it to understand antibiotic tolerance in biofilms.
- 448 Recent Development of Polydopamine Anti-Bacterial Nanomaterials. **2022**, 23, 7278 2
- 447 Antimicrobial Activity of Composites-Based on Biopolymers. **2022**, 2, 258-283 4
- 446 Activity of singly and doubly modified derivatives of C20-epi-salinomycin against *Staphylococcus* strains. **2022**, 75, 445-453
- 445 High-efficiency photothermal sterilization on PDMS film with Au@CuS yolk-shell nanoparticles. **2022**, 1
- 444 Genomics of *Staphylococcus aureus* and *Staphylococcus epidermidis* from Periprosthetic Joint Infections and Correlation to Clinical Outcome. 1
- 443 Synergy between c-di-GMP and quorum-sensing signaling in *Vibrio cholerae* biofilm morphogenesis.
- 442 Biofilm control on metallic materials in medical fields from the viewpoint of materials science □ from the fundamental aspects to evaluation. 1-25 0
- 441 Offense and Defense in Granulomatous Inflammation Disease. 12, 0
- 440 Development of zebrafish (*Danio rerio*) as an in vivo model for *Borrelia burgdorferi* infection.
- 439 Control of Maize Sheath Blight and Elicit Induced Systemic Resistance Using *Paenibacillus polymyxa* Strain SF05. **2022**, 10, 1318 0

- 438 Investigating Biofilm Formation and Antibiofilm Activity Using Real Time Cell Analysis Method in Carbapenem Resistant *Acinetobacter baumannii* Strains. **2022**, 79,
- 437 Biofilm Development in Gram-Positive and Gram-Negative Bacteria.
- 436 The Innate Immune Protein Calprotectin Interacts With and Encases Biofilm Communities of *Pseudomonas aeruginosa* and *Staphylococcus aureus*. 12, 0
- 435 Potentiating hypoxic microenvironment for antibiotic activation by photodynamic therapy to combat bacterial biofilm infections. **2022**, 13, 5
- 434 A Noninvasive Method for Time-Lapse Imaging of Microbial Interactions and Colony Dynamics.
- 433 Preclinical evaluation of a commercially available biofilm disrupting wound lavage for musculoskeletal trauma. **2022**, 17, 0
- 432 The Microbiological Etiology of Fracture-Related Infection. 12, 1
- 431 Activity of Exebacase (CF-301) against Biofilms Formed by *Staphylococcus epidermidis* Strains Isolated from Prosthetic Joint Infections. 1
- 430 Cinnamomum: The New Therapeutic Agents for Inhibition of Bacterial and Fungal Biofilm-Associated Infection. 12, 1
- 429 Efficacy of Short-Term High Dose Pulsed Dapsone Combination Therapy in the Treatment of Chronic Lyme Disease/Post-Treatment Lyme Disease Syndrome (PTLDS) and Associated Co-Infections: A Report of Three Cases and Literature Review. **2022**, 11, 912
- 428 Persistence of *Staphylococcus* spp. in milk from cows undergoing homeopathy to control subclinical mastitis. **2022**, 18, 0
- 427 Molecular Basis of the Slow Growth of *Mycoplasma hominis* on Different Energy Sources. 12, 0
- 426 Race for Applicable Antimicrobial Dental Implant Surfaces to Fight Biofilm-Related Disease: Advancing in Laboratorial Studies vs Stagnation in Clinical Application. 0
- 425 Cerium-Based MetalOrganic Framework with Intrinsic Haloperoxidase-Like Activity for Antibiofilm Formation. 2206294 0
- 424 Clinical risk factors for admission with *Pseudomonas* and multidrug-resistant *Pseudomonas* community-acquired pneumonia. **2022**, 11, 0
- 423 Burden of bacterial bloodstream infections and recent advances for diagnosis. 0
- 422 A T3SS Regulator Mutant HY9901 β raC of *Vibrio alginolyticus* Decreased the Expression of HopPmaJ and Provided Protection to *Danio rerio* as a Live-Attenuated Vaccine. 9, 0
- 421 A previously uncharacterized gene, PA2146, contributes to biofilm formation and drug tolerance across the γ -Proteobacteria. **2022**, 8, 1

- 420 Endodontic treatment of an immature maxillary lateral incisor with type II dens invaginatus in an orthodontic patient: A case report.
- 419 Polymicrobial biofilms of ocular bacteria and fungi on ex vivo human corneas. **2022**, 12, 0
- 418 Reclaimed wastewater reuse in irrigation: Role of biofilms in the fate of antibiotics and spread of antimicrobial resistance. **2022**, 221, 118830 0
- 417 New insights into the inhibitory roles and mechanisms of D-amino acids in bacterial biofilms in medicine, industry, and agriculture. **2022**, 263, 127107
- 416 Engineering Antimicrobial Polymer Nanocomposites: In Situ Synthesis, Disruption of Polymicrobial Biofilms, and In Vivo Activity.
- 415 Preliminary Study on Phytochemical Constituents and Biological Activities of Essential Oil from *Myriactis nepalensis* Less.. **2022**, 27, 4631
- 414 Motility Increases the Numbers and Durations of Cell-Surface Engagements for *Escherichia coli* Flowing near Poly(ethylene glycol)-Functionalized Surfaces. 1
- 413 Electrochemical Sensors based on MoS₂-functionalized Laser Induced Graphene for Real-time Monitoring of Phenazines produced by *Pseudomonas aeruginosa*. 2200773 0
- 412 Fluorescence in situ hybridisation in Carnoy's fixed tonsil tissue. **2022**, 12,
- 411 Emergence of Small Colony Variants (SCVs) is an adaptive strategy used by *Pseudomonas aeruginosa* to palliate O₂ limitations.
- 410 Effects of Volatile Organic Compounds on Biofilms and Swimming Motility of *Agrobacterium tumefaciens*. **2022**, 10, 1512
- 409 Phytochemicals as Antimicrobial Agents. **2022**, 211-245
- 408 Easy Fabrication of a Polymeric Transparent Sheet to Combat Microbial Infection. **2022**, 5, 3951-3959 1
- 407 An In Situ Study to Understand Community Structure of Estuarine Microbes on the Plastisphere. **2022**, 10, 1543
- 406 Effect of ultrasound amplitude and frequency on nanoparticle diffusion in an agarose hydrogel. **2022**, 152, 640-650
- 405 Bacterial Colonization in Double J Stent and Bacteriuria in Post-Renal Transplant Patients. **2022**,
- 404 Nanobiotechnology: Applications in Chronic Wound Healing. Volume 17, 3125-3145 0
- 403 Electrospun Nanofibrous Membranes Accelerate Biofilm Formation and Probiotic Enrichment: Enhanced Tolerances to pH and Antibiotics. **2022**, 14, 31601-31612 1

- 402 Small-Molecule-Induced Activation of Cellular Respiration Inhibits Biofilm Formation and Triggers Metabolic Remodeling in *Staphylococcus aureus*. 0
- 401 Antibiotic induced biofilm formations in *Pseudomonas aeruginosa* strains KPW.1-S1 and HRW.1-S3 are associated with increased production of eDNA and exoproteins, increased ROS generation, and increased cell surface hydrophobicity.
- 400 Detection of Biofilm Formation on Material Surfaces by Ag+ Coating. **2022**, 12, 1031
- 399 The dynamic transcriptome during maturation of biofilms formed by methicillin-resistant *Staphylococcus aureus*. 13, 0
- 398 Pathogenomics and clinical recurrence influence biofilm capacity of *Escherichia coli* isolated from canine urinary tract infections. **2022**, 17, e0270461 1
- 397 Designer Liposomic Nanocarriers Are Effective Biofilm Eradicators. 0
- 396 Optimal dose of lactoferrin reduces the resilience of in vitro *Staphylococcus aureus* colonies. **2022**, 17, e0273088 0
- 395 The inactivation efficacy of plasma-activated acetic acid against *Salmonella Typhimurium* cells and biofilm.
- 394 Ionic Liquid-Aided Synthesis of Anatase TiO₂ Nanoparticles: Photocatalytic Water Splitting and Electrochemical Applications. **2022**, 12, 1133 1
- 393 Control Measurements of *Escherichia coli* Biofilm: A Review. **2022**, 11, 2469 0
- 392 Injectable soft tissue filler infection with a similar appearance to an odontogenic abscess. **2022**, 10, 0
- 391 Treatment of *Pseudomonas aeruginosa* infectious biofilms: Challenges and strategies. 13, 0
- 390 Specific quantitative detection of *Streptococcus suis* and *Actinobacillus pleuropneumoniae* in co-infection and mixed biofilms. 12, 1
- 389 Biochemical and Molecular Mechanisms of Antibiotic Resistance in *Salmonella* spp.. **2022**, 103985 0
- 388 Three lines of defense: A multifunctional coating with anti-adhesion, bacteria-killing and anti-quorum sensing properties for preventing biofilm formation of *Pseudomonas aeruginosa*. **2022**, 1
- 387 Early biofilm and streamer formation is mediated by wall shear stress and surface wettability: A multifactorial microfluidic study. **2022**, 11, 1
- 386 Biofilms with a Dash of Color: A Hands-On Activity for School Students to Build a Biofilm Model and Use It to Understand Antibiotic Tolerance in Biofilms. 0
- 385 A monocyte α 1 β 2-macroglobulin pathway critical for repair post-infection. 1

- 384 Pseudomonas . **2022**, 318-343
- 383 Surgical Site Infections Associated With Implanted Pulse Generators for Deep Brain Stimulation: Meta-Analysis and Systematic Review. **2022**,
- 382 Common themes in antimicrobial and anticancer drug resistance. 13, 0
- 381 Molecular Approach for the Laboratory Diagnosis of Periprosthetic Joint Infections. **2022**, 10, 1573 2
- 380 3D Printed Microfluidic Bioreactors Used for the Preferential Growth of Bacterial Biofilms through Dielectrophoresis. **2022**, 13, 1377 1
- 379 Laboratory development of subaerial biofilms commonly found on buildings. A methodological review. **2022**, 223, 109451 0
- 378 Preparation of poly(E-caprolactone) nanofibrous mats incorporating graphene oxide-silver nanoparticle hybrid composite by electrospinning method for potential antibacterial applications. **2022**, 653, 129969
- 377 In situ synthesis of cuprous oxide on cotton fiber for developing functional textile with broad-spectrum antibacterial activity. **2022**, 187, 115442 0
- 376 Pharmacological Approaches for the Prevention of Breast Implant Capsular Contracture. **2022**, 280, 129-150
- 375 Adsorption of Candida albicans on Ti-6Al-4V surface and its corrosion effects in artificial saliva. **2022**, 148, 108248 0
- 374 Antibiotika l preparat och verkningsmekanismer. **2002**, 112, 0
- 373 Strong Biofilm Formation and Low Cloxacillin Susceptibility in Biofilm-Growing CC398 Staphylococcus aureus Responsible for Bacteremia in French Intensive Care Units, 2021. **2022**, 10, 1857 0
- 372 A review on biofilms and the currently available antibiofilm approaches: Matrix-destabilizing hydrolases and anti-bacterial peptides as promising candidates for the food industries. **2022**, 219, 1163-1179 0
- 371 Prevention of hospital pathogen biofilm formation by antimicrobial peptide KWI18. **2022**, 172, 105791 0
- 370 Synthesis, optimization, and physicochemical characterization of selenium nanoparticles from polysaccharide of mangrove Rhizophora mucronata with potential bioactivities. **2022**, 2, 100019 0
- 369 Impact of graft architecture of PEGylated copolymers assembly on hydroxyapatite in the differential regulation of initial cell and bacterial adhesion. **2022**, 606, 154836 0
- 368 Biofilm-mediated decolorization, degradation and detoxification of synthetic effluent by novel biofilm-producing bacteria isolated from textile dyeing effluent. **2022**, 314, 120237 1
- 367 The Action of Phytochemicals in the Control of Pathogenic Biofilms. **2022**, 371-398 0

- 366 Introduction: Biofilms 101. **2022**, 3-15 ○
- 365 Prevention of Biofilms in Catheter-Associated Urinary Tract Infections (CAUTIs): A Review. **2022**, 61-97 ○
- 364 Plasma technology in antimicrobial nanocoatings. **2022**, 207-219 ○
- 363 A novel biodegradable ureteral stent with antibacterial ability to inhibit biofilm formation. ○
- 362 An overview of biomedical applications of choline geranate (CAGE): a major breakthrough in drug delivery. **2022**, 12, 25977-25991 1
- 361 A Simple 96-Well Plate-Based Method for Development of Candida Biofilms Under Static Conditions. **2022**, 225-231 ○
- 360 Application of ionic liquids in pharmaceuticals and medicine. **2022**, 317-375 ○
- 359 Antibiotic Resistance Development in Bacterial Biofilms. **2022**, 37-58 ○
- 358 Biofilm in Equine and Other Veterinary Wounds. **2022**, 553-573 ○
- 357 Encrustation in Urinary Stents. **2022**, 95-109 ○
- 356 Green synthesis of calcium hydroxide-coated silver nanoparticles using *Andrographis paniculata* and *Ocimum sanctum* Linn. leaf extracts: An antimicrobial and cytotoxic activity. **2022**, 25, 369 ○
- 355 Antibodies Against Biofilms: Mechanisms and Applications. **2022**, 263-298 ○
- 354 Historical Medical Remedies as Potential Anti-Biofilm Approaches: Can We Look Back to Move Forward?. **2022**, 351-367 ○
- 353 Advancements in antimicrobial nanoscale materials and self-assembling systems. ○
- 352 Biomaterial-Associated Infection: Pathogenesis and Prevention. **2022**, 245-257 ○
- 351 Preventing Biofilm Formation and Encrustation on Urinary Implants: (Bio)molecular and Physical Research Approaches. **2022**, 437-447 ○
- 350 Regenerable bacterial killing-releasing ultrathin smart hydrogel surfaces modified with zwitterionic polymer brushes. **2022**, 22, 719-732 4
- 349 Chemical Regulation of *Pseudomonas aeruginosa* Biofilm Formation as a Potential Treatment for Persistent Infections. **2022**, 159-179 ○

348	Rapid synthesis of drug-encapsulated films by evaporation-induced self-assembly for highly-controlled drug release from biomaterial surfaces. 2022 , 10, 6453-6463	0
347	Multimodal Imaging and Phototherapy of Cancer and Bacterial Infection by Graphene and Related Nanocomposites. 2022 , 27, 5588	0
346	Chemical composition and biological activity of essential oil of the Moroccan endemic <i>Origanum grosii</i> . 2022 ,	0
345	Biofilms: Formation, Research Models, Potential Targets, and Methods for Prevention and Treatment. 2203291	3
344	Infektionsmanagement. 2022 , 125, 788-791	0
343	Exploring the Function of Quorum Sensing Regulated Biofilms in Biological Wastewater Treatment: A Review. 2022 , 23, 9751	1
342	A common vesicle proteome drives fungal biofilm development. 2022 , 119,	0
341	In vitro bactericidal efficacy of a new triple antibiotic paste formulation against <i>Enterococcus faecalis</i> biofilm.	0
340	Effect of NZ2114 against <i>Streptococcus dysgalactiae</i> biofilms and its application in murine mastitis model. 13,	0
339	The endoglycosidase activity of Dispersin B is mediated through electrostatic interactions with cationic poly- ϵ -(1-6)-N-acetylglucosamine.	1
338	A designed cyclic analogue of gomesin has potent activity against <i>Staphylococcus aureus</i> biofilms.	1
337	Bactericidal Anti-Adhesion Potential Integrated Polyoxazoline/Silver Nanoparticle Composite Multilayer Film with pH Responsiveness. 2022 , 14, 3685	0
336	Microbial persisters and host: recent advances and future perspectives. 1-13	1
335	Pedicle Double-Barrel Fibular Transplantation Versus Bone Transport in the Treatment of Upper Tibial Osteomyelitis with Bone Defects: A Retrospective Study.	0
334	Non-thermal plasma causes <i>Pseudomonas aeruginosa</i> biofilm release to planktonic form and inhibits production of Las-B elastase, protease and pyocyanin. 12,	0
333	Genome-wide analysis reveals the emergence of multidrug resistant <i>Stenotrophomonas acidaminiphila</i> strain SINDOREI isolated from a patient with sepsis. 13,	0
332	Synergy between c-di-GMP and Quorum-Sensing Signaling in <i>Vibrio cholerae</i> Biofilm Morphogenesis.	0
331	Chlorine doping impact on the photocatalytic and antibacterial activity of sprayed In ₂ S ₃ films. 1-12	0

330	<i>Pseudomonas aeruginosa</i> persister cell formation upon antibiotic exposure in planktonic and biofilm state. 2022 , 12,	0
329	Anti-Biofilm, Antibacterial, and Anti-Quorum Sensing Activities of Selected South African Plants Traditionally Used to Treat Diarrhoea. 2022 , 2022, 1-12	1
328	Bacteriocin Production by <i>Escherichia coli</i> during Biofilm Development. 2022 , 11, 2652	0
327	A Microfluidic Approach for Quantitative Study of Spatial Heterogeneity in Bacterial Biofilms. 2200047	1
326	Prevalence of Microplastics, Antibiotic Resistant Genes and Microplastic Associated Biofilms in Estuary - A Review.	0
325	Liquid Crystal Precursor System as a Vehicle for Curcumin-Mediated Photodynamic Inactivation of Oral Biofilms.	0
324	Antiviral activity of bee products. 2022 , 28,	1
323	Promising Application of D-Amino Acids toward Clinical Therapy. 2022 , 23, 10794	1
322	Activity of Phage Lactoferrin Mixture against Multi Drug Resistant <i>Staphylococcus aureus</i> Biofilms. 2022 , 11, 1256	0
321	A Superhydrophilic, Light/Microwave-Absorbing Coating with Remarkable Antibacterial Efficacy. 2022 , 14, 42468-42482	0
320	Anti-biofilm effects of sinomenine against <i>Staphylococcus aureus</i> .	0
319	<i>Pseudomonas aeruginosa</i> Strains from Both Clinical and Environmental Origins Readily Adopt a Stable Small-Colony-Variant Phenotype Resulting from Single Mutations in c-di-GMP Pathways.	1
318	Treatment of periprosthetic joint infections guided by minimum biofilm eradication concentration (MBEC) in addition to minimum inhibitory concentration (MIC): protocol for a prospective randomised clinical trial. 2022 , 12, e058168	0
317	Plasma treatment effects on destruction and recovery of <i>Porphyromonas gingivalis</i> biofilms. 2022 , 17, e0274523	0
316	Prevention and Eradication of Biofilm by Dendrimers: A Possibility Still Little Explored. 2022 , 14, 2016	1
315	Microbial Biofilms in Root Canal Systems. 2022 , 74-84	0
314	The combination of diethyldithiocarbamate and copper ions is active against <i>Staphylococcus aureus</i> and <i>Staphylococcus epidermidis</i> biofilms in vitro and in vivo. 13,	2
313	Environmental Hazard of Polypropylene from Disposable Face Masks Linked to the COVID-19 Pandemic and Its Possible Mitigation Techniques through a Green Approach. 2022 , 2022, 1-17	0

312	Cocktail of isobavachalcone and curcumin enhance eradication of <i>Staphylococcus aureus</i> biofilm from orthopedic implants by gentamicin and alleviate inflammatory osteolysis. 13,	0
311	Zinc oxide nanoparticles impact the expression of the genes involved in toxin-antitoxin systems in multidrug-resistant <i>Acinetobacter baumannii</i> .	0
310	Antibacterial Adhesion Strategy for Dental Titanium Implant Surfaces: From Mechanisms to Application. 2022 , 13, 169	2
309	Predictive Factors of Surgical Site Infection in Prosthetic Joint Surgery: A Prospective Study on 760 Arthroplasties. 2022 , 2022, 1-8	0
308	Multidrug-Resistant Bacteria: Their Mechanism of Action and Prophylaxis. 2022 , 2022, 1-17	1
307	Permanent, Antimicrobial Coating to Rapidly Kill and Prevent Transmission of Bacteria, Fungi, Influenza, and SARS-CoV-2. 2022 , 14, 42483-42493	2
306	Molecular epidemiology, characterization of virulence factors and antibiotic-resistance profile of <i>Streptococcus agalactiae</i> isolated from dairy farms in China and Pakistan. 2022 ,	0
305	Antimicrobial Potential of Pomegranate Extracts.	0
304	In Vitro and In Vivo Antimicrobial Activity of Hypochlorous Acid against Drug-Resistant and Biofilm-Producing Strains.	0
303	Biofilm formation and its impact on environmental survival and antibiotic resistance of <i>Mycoplasma anserisalpiginidis</i> strains. 2022 , 70, 184-191	0
302	Enhancement of the Bactericidal Effect of Antibiotics by Inhibition of Enzymes Involved in Production of Hydrogen Sulfide in Bacteria. 2022 , 56, 638-648	0
301	The clinical meaning of biofilm formation ability: The importance of context. 2022 , 40, 415-417	0
300	Interfacial cavitation.	0
299	Controllable deposition of Ag nanoparticles on various substrates via interfacial polyphenol reduction strategy for antibacterial application. 2022 , 655, 130287	0
298	Respiratory quinolones can eradicate amoxicillin-induced mature biofilms and nontypeable <i>Haemophilus influenzae</i> in biofilms. 2022 , 28, 1595-1604	0
297	Role of Two-Component System Networks in <i>Pseudomonas aeruginosa</i> Pathogenesis. 2022 , 371-395	0
296	Controlling Biofilm Development Through Cyclic di-GMP Signaling. 2022 , 69-94	0
295	Antibiotic Resistance in <i>Pseudomonas</i> . 2022 , 117-143	2

- 294 Transcriptional Profiling of *Pseudomonas aeruginosa* Infections. **2022**, 303-323 ○
- 293 Analysis of the effects of disinfectants and plasma treatment on biofilm growth by a thermal flow sensor for real time measurements. **2022**, ○
- 292 The biofilm characteristics and management of skin flap infection following cochlear implantation. **2022**, 42, 372-379 ○
- 291 Ultrasound-Activatable Phase-Shift Nanoparticle as a Targeting Antibacterial Agent for Efficient Eradication of *Pseudomonas aeruginosa* Biofilms. **2022**, 14, 47420-47431 ○
- 290 Methicillin-Resistant *Staphylococcus aureus* in Diabetic Foot Infections: Protein Profiling, Virulence Determinants, and Antimicrobial Resistance. **2022**, 12, 10803 1
- 289 Genome-wide mapping of fluoroquinolone-stabilized DNA gyrase cleavage sites displays drug specific effects that correlate with bacterial persistence. ○
- 288 Türkiye ve Romanya kökenli *Pseudomonas aeruginosa* izolatlarının antibiyotik dirençlerinin, biyofilm oluşumu ve genotiplerinin araştırılması ○
- 287 One-step synthesized antimicrobial peptide-functionalized gold nanoclusters for selective imaging and killing of pathogenic bacteria. 13, ○
- 286 Antibacterial Inorganic Coating of Calcium Silicate Hydrate Substrates by Copper Incorporation. ○
- 285 Infectious Diseases Impact on Biomedical Devices and Materials. ○
- 284 Isolation, characterization, and identification of bioactive metabolite from soil derived *Streptomyces polyrhachis* AS07. **2022**, 9, 158-167 ○
- 283 Gallium Protoporphyrin Liquid Crystalline Lipid Nanoparticles: A Third-Generation Photosensitizer against *Pseudomonas aeruginosa* Biofilms. **2022**, 14, 2124 ○
- 282 Efficacy of Paracrine Factors from Mesenchymal Stem Cells for Treating Biofilm-Infected Wounds in a Murine Model. **2022**, 18, 186-193 ○
- 281 Insights of ethyl acetate fraction from *Vassobia breviviflora* in multidrug-resistant bacteria and cancer cells: from biological to therapeutic. **2022**, 85, 972-987 ○
- 280 Photothermal Nanozyme-based Microneedle Patch against Refractory Bacterial Biofilm Infection via Iron-actuated Janus Ion Therapy. 2207961 4
- 279 Advances in Chemically Powered Micro/Nanorobots for Biological Applications: A Review. 2209883 ○
- 278 Effects of Sub-Minimum Inhibitory Concentrations of Imipenem and Colistin on Expression of Biofilm-Specific Antibiotic Resistance and Virulence Genes in *Acinetobacter baumannii* Sequence Type 1894. **2022**, 23, 12705 2
- 277 Synthesis and Antimicrobial Evaluation of New Cephalosporin Derivatives Containing Cyclic Disulfide Moieties. ○

276	A Host-Directed Approach to the Detection of Infection in Hard-to-Heal Wounds. 2022 , 12, 2408	0
275	Development of an innovative in vivo model of PJI treated with DAIR. 9,	0
274	Silver Nanoparticles Produced by Laser Ablation and Re-Irradiation Are Effective Preventing Peri-Implantitis Multispecies Biofilm Formation. 2022 , 23, 12027	0
273	Differential metabolism between biofilm and suspended <i>Pseudomonas aeruginosa</i> cultures in bovine synovial fluid by 2D NMR-based metabolomics. 2022 , 12,	1
272	Characterization of <i>Leuconostoc mesenteroides</i> MJM60376 as an oral probiotic and its anti-biofilm activity.	0
271	Impact of different oral treatments on the composition of the supragingival plaque microbiome. 2022 , 14,	1
270	Investigating the Origin of <i>Mycobacterium chimaera</i> Contamination in Heater-Cooler Units: Integrated Analysis with Fourier Transform Infrared Spectroscopy and Whole-Genome Sequencing.	0
269	Risk Factors for Postoperative Osteomyelitis among Patients after Bone Fracture: A Matched Case-Control Study. 2022 , 11, 6072	0
268	Chronic rhinosinusitis patients display an aberrant immune cell localisation with enhanced <i>S. aureus</i> biofilm metabolic activity and biomass. 2022 ,	0
267	Identification of Persister Drug Combination Clinafloxacin + Cefuroxime + Gentamicin That Eradicates Persistent <i>Pseudomonas aeruginosa</i> Infection in a Murine Cystic Fibrosis Model. Publish Ahead of Print,	0
266	Mo154 Synergistically Enhanced Antibiofilm and Antibacterial Effects of Spermine via Coassembly.	0
265	Metabolomic Profiling of the Responses of Planktonic and Biofilm <i>Vibrio cholerae</i> to Silver Nanoparticles. 2022 , 11, 1534	0
264	New understanding of gut microbiota and colorectal anastomosis leak: A collaborative review of the current concepts. 12,	1
263	Pyocyanin and 1-Hydroxyphenazine Promote Anaerobic Killing of <i>Pseudomonas aeruginosa</i> via Single-Electron Transfer with Ferrous Iron.	0
262	Antiadhesive and Antibiofilm Effect of Malvidin-3-Glucoside and Malvidin-3-Glucoside/Neochlorogenic Acid Mixtures upon <i>Staphylococcus</i> . 2022 , 12, 1062	0
261	Transcriptome sequencing reveals the difference in the expression of biofilm and planktonic cells between two strains of <i>Salmonella Typhimurium</i> . 2022 , 4, 100086	0
260	GOx-encapsulated iron-phenolic networks power catalytic cascade to eradicate bacterial biofilms. 2022 , 352, 1-14	3
259	Quantifying biofilm propagation on chemically modified surfaces. 2022 , 4, 100088	0

258	Effect of antibiotics and sanitizers on Salmonella biofilms associated with seafood contact surfaces. 2023 , 266, 127213	0
257	Growth and prevalence of antibiotic-resistant bacteria in microplastic biofilm from wastewater treatment plant effluents. 2023 , 856, 159024	0
256	Bacteria as sensors: Real-time NMR analysis of extracellular metabolites detects sub-lethal amounts of bactericidal molecules released from functionalized materials. 2023 , 1867, 130253	1
255	Helicobacter pylori. 2023 ,	0
254	Bioadhesion and biofouling at solid-liquid interface. 2023 ,	0
253	Antibiofilm properties of biosurfactants: A tool against the food pathogens. 2023 , 91-110	0
252	Highly durable photocatalytic titanium suboxide polymer nanocomposite films with visible light-triggered antibiofilm activity. 2023 , 454, 139971	0
251	Inhibitory effect and possible mechanism of oregano and clove essential oils against Pectobacterium carotovorum subsp. carotovorum as onion soft rot in storage. 2023 , 196, 112164	0
250	BENEFICIAL EFFECTS OF CLARITHROMYCIN IN PATIENTS WITH SEPSIS. 2013 , 20, 54-58	0
249	Inhibition of Biofilm Formation Using Fluoroquinolone Antibiotics against <i>Escherichia coli</i> ; Isolated from Mastitic Dairy Cattle. 2022 , 75, e191-e198	0
248	Engineering white blood cell membrane-camouflaged nanocarriers for inflammation-related therapeutics. 2023 , 23, 80-100	1
247	?????????????????????????????. 2022 , 71, 781-783	0
246	An active bacterial anti-adhesion strategy based on directional transportation of bacterial droplets driven by triboelectric nanogenerators.	0
245	Recent advances on the regulation of bacterial biofilm formation by herbal medicines. 13,	0
244	MOFs and MOF-Derived Materials for Antibacterial Application. 2022 , 13, 215	1
243	Extracellular Vesicles Contribute to Mixed-Fungal Species Competition during Biofilm Initiation.	0
242	Neighboring Carboxylic Acid Boosts Peroxidase-Like Property of Metal-Phenolic Nano-Networks in Eradicating Streptococcus mutans Biofilms. 2206657	2
241	FapA is an intrinsically disordered chaperone for Pseudomonas functional amyloid FapC. 2022 , 167878	0

- 240 Impact of Fe²⁺ and Shear Stress on the Development and Mesoscopic Structure of BiofilmsA
Bacillus subtilis Case Study. **2022**, 10, 2234 ○
- 239 Nanoscale calcium oxide and its biomedical applications: A comprehensive review. **2022**, 102506 ○
- 238 Global Downregulation of Penicillin Resistance and Biofilm Formation by MRSA Is Associated with
the Interaction between Kaempferol Rhamnosides and Quercetin. ○
- 237 A case report: Intermittent catheterization combined with rehabilitation in the treatment of
carbapenem-resistant *Klebsiella pneumoniae* catheter-associated urinary tract infection. 12, ○
- 236 Genetic diversity and virulence factors of Gram-negative bacilli isolated at the CHU-Z in
Abomey-Calavi/So-Ava (Benin). **2022**, e01426 ○
- 235 The Alginate and Motility Regulator AmrZ is Essential for the Regulation of the Dispersion
Response by *Pseudomonas aeruginosa* Biofilms. ○
- 234 Physiological Benefits of Oxygen-Terminating Extracellular Electron Transfer. ○
- 233 Molecular co-localization of multiple drugs in a nanoscopic delivery vehicle for potential synergistic
remediation of multi-drug resistant bacteria. **2022**, 12, ○
- 232 *Escherichia coli* Biofilm Formation, Motion and Protein Patterns on Hyaluronic Acid and
Polydimethylsiloxane Depend on Surface Stiffness. **2022**, 13, 237 ○
- 231 *Pseudomonas aeruginosa*. **2023**, 884-889.e2 ○
- 230 Biocide loaded shear-thinning hydrogel with anti-biofilm efficacy cures topical infection. ○
- 229 Photothermal-triggered release of alkyl radicals and cascade generation of hydroxyl radicals via a
versatile hybrid nanocatalyst for hypoxia-irrelevant synergistic antibiofilm therapy. **2023**, 455, 140903 ○
- 228 A Novel Full Solar Light Spectrum Responsive Antimicrobial Agent by WS₂ Quantum Dots for
Photocatalytic Wound Healing Therapy. ○
- 227 Drug delivery approaches for enhanced antibiofilm therapy. **2023**, 353, 350-365 ○
- 226 Evidence of a possible multicellular life cycle in *Escherichia coli*. **2023**, 26, 105795 2
- 225 Light-regulated adsorption and desorption of *Chlamydomonas* cells at surfaces. ○
- 224 Role of wound microbiome, strategies of microbiota delivery system and clinical management.
2023, 192, 114671 ○
- 223 Antimicrobial micro/nanorobotic materials design: From passive combat to active therapy. **2023**,
152, 100712 ○

- 222 Rapid synthesis of bismuth-organic frameworks as selective antimicrobial materials against microbial biofilms. **2023**, 18, 100507 ○
- 221 Biofilms and their impact on the food industry. **2023**, 30, 103523 ○
- 220 Growth suppression of bacteria by biofilm deterioration using silver nanoparticles with magnetic doping. **2022**, 14, 18143-18156 ○
- 219 Pharmacy students’ overall knowledge and awareness regarding biofilms. **2022**, 12, 60-66 ○
- 218 Non-invasive biomedical sensors for early detection and monitoring of bacterial biofilm growth at the point of care. **2022**, 22, 4758-4773 ○
- 217 The History of Antibiotics Illumes the Future of Antimicrobial Peptides Administered Through Nanosystems. **2022**, 1-74 ○
- 216 Antibacterial surface coatings of fracture fixation implants. **2022**, 12, 1013-1019 ○
- 215 Inhibition of heterotrophic bacterial biofilm in the soil ferrosphere by *Streptomyces* spp. and *Bacillus velezensis*. **2022**, 38, 916-925 ○
- 214 PAS Domain-Containing Chemoreceptors Influence the Signal Sensing and Intestinal Colonization of *Vibrio cholerae*. **2022**, 13, 2224 ○
- 213 Developing an Electrical System toward the Prevention of Heat Ventilation Air Conditioning Contamination. **2022**, 12, 11842 ○
- 212 The role of bacterial membrane vesicles in antibiotic resistance. ○
- 211 Comparative metabolite profiling of four polyphenol rich *Morus* leaves extracts in relation to their antibiofilm activity against *Enterococcus faecalis*. **2022**, 12, ○
- 210 GltS regulates biofilm formation in methicillin-resistant *Staphylococcus aureus*. **2022**, 5, ○
- 209 Human Osteoblast-Conditioned Media Can Influence *Staphylococcus aureus* Biofilm Formation. **2022**, 23, 14393 ○
- 208 Meta-analysis addressing the characterization and risk identification of antibiotics and antibiotic resistance genes in global groundwater. **2022**, 160513 1
- 207 Biofilm production ability of *Streptococcus dysgalactiae* subsp. *equisimilis*: relatedness with host, Lancefield group, source, clonal complex, and virulence-associated gene. **2022**, ○
- 206 Effectiveness of *Pseudomonas aeruginosa* type VI secretion system relies on toxin potency and type IV pili-dependent interaction. ○
- 205 Mannosylated Gold Nanoclusters Incorporated with a Repurposed Antihistamine Drug Promethazine for Antibacterial and Antibiofilm Applications. **2022**, 5, 5911-5923 ○

204	Glaesserella parasuis autotransporters EspP1 and EspP2 are novel IgA-specific proteases. 13,	0
203	MBRA-2: a Modified Chemostat System to Culture Biofilms.	0
202	Effect of Atmospheric Conditions on Pathogenic Phenotypes of Arcobacter butzleri. 2022 , 10, 2409	0
201	The Sia System and c-di-GMP Play a Crucial Role in Controlling Cell-Association of Psl in Planktonic P. aeruginosa. 2022 , 204,	0
200	Innovative Strategies to Overcome Antimicrobial Resistance and Tolerance. 2023 , 11, 16	2
199	Effective Therapeutic Options for Melioidosis: Antibiotics versus Phage Therapy. 2023 , 12, 11	0
198	A Thermosensitive, Chitosan-Based Hydrogel as Delivery System for Antibacterial Liposomes to Surgical Site Infections. 2022 , 14, 2841	2
197	Genome-Based Analysis of Virulence Factors and Biofilm Formation in Novel P. aeruginosa Strains Isolated from Household Appliances. 2022 , 10, 2508	0
196	Nature-Inspired Biomimetic Surfaces for Controlling Bacterial Attachment and Biofilm Development. 2201425	0
195	Monoclonal antibodies that target extracellular DNABII proteins or the type IV pilus of nontypeable Haemophilus influenzae (NTHI) worked additively to disrupt 2-genera biofilms. 2022 , 4, 100096	1
194	Synthesis of chitosan-Cu based bioactive material for coating catheters: in vitro cytotoxicity evaluation.	0
193	Strategies to Mitigate and Treat Orthopaedic Device-Associated Infections. 2022 , 11, 1822	0
192	Involvement of Bacterial Outer Membrane Vesicles in Cell-Cell Interactions and Their Role in Multi-Species Communities. 2023 , 165-193	0
191	Developing Antibiofilm Fibrillar Scaffold with Intrinsic Capacity to Produce Silver Nanoparticles. 2022 , 23, 15378	0
190	Biofilms preserve the transmissibility of a multi-drug resistance plasmid. 2022 , 8,	2
189	Enhanced Hemocompatibility of Lysine Grafted Polyacrylonitrile Electrospun Nanofiber Membranes as a Potential Bilirubin Adsorption in Hemoperfusion.	0
188	Core-Shell Nanoparticle Combined with Bacterial Targeting and Antibiotic Loading for Bacteria Tracing and Clearing. 2200084	0
187	Swimming in Complex Fluids. 2023 , 14,	0

186	Why vary what's working? Phase variation and biofilm formation in <i>Francisella tularensis</i> . 13,	0
185	Structure of the AlgKX modification and secretion complex required for alginate production and biofilm attachment in <i>Pseudomonas aeruginosa</i> . 2022 , 13,	0
184	An All in one Strategy to Boost Antibacterial Phototherapy via Porphyrin and Boron Dipyrromethenes based Covalent Organic Framework. 2022 , 141017	0
183	May the force be with you: the role of hyper-mechanostability of the bone sialoprotein binding protein during early stages of <i>Staphylococci</i> infections.	0
182	Effect of Sub-Inhibitory Concentrations of Nitrofurantoin, Ciprofloxacin, and Trimethoprim on In Vitro Biofilm Formation in Uropathogenic <i>Escherichia coli</i> (UPEC). 2023 , 11, 1	0
181	A Novel Simple In Vitro System Mimicking Natural Environment for the Biofilm Cultivation of Cutaneous Bacteria. 2022 , 12, 1923	0
180	Synthesis and in vitro antibacterial, antifungal, anti-proliferative activities of novel adamantane-containing thiazole compounds. 2022 , 12,	1
179	Density and temperature controlled fluid extraction in a bacterial biofilm is determined by poly- γ -glutamic acid production. 2022 , 8,	0
178	Science-based strategies of antibacterial coatings with bactericidal properties for biomedical and healthcare settings. 2022 , 100442	0
177	Effects of Toxin-Antitoxin System HicAB on Biofilm Formation by Extraintestinal Pathogenic <i>E. coli</i> . 2023 , 80,	0
176	The effect of recognition on competition among clones in spatially structured microbial communities.	0
175	Osteoarticular Mycoses. 2022 , 35,	1
174	GC-MS Analysis and Microbiological Evaluation of Caraway Essential Oil as a Virulence Attenuating Agent against <i>Pseudomonas aeruginosa</i> . 2022 , 27, 8532	2
173	Protoporphyrin IX derived from dual-species anaerobic biofilms of <i>Fusobacterium necrophorum</i> and <i>Porphyromonas levii</i> attenuates bovine neutrophil function. 2022 , 4, 100095	0
172	Silver Nanoparticles Phytofabricated through <i>Azadirachta indica</i> : Anticancer, Apoptotic, and Wound-Healing Properties. 2023 , 12, 121	1
171	Orthopaedic Implant Technology: Biomaterials from Past to Future. 2011 , 40, 237-244	6
170	Macrophage Polarization Induced by Bacteria-Responsive Antibiotic-Loaded Nanozymes for Multidrug Resistance-Bacterial Infections Management. 2204928	0
169	In Situ Investigation of <i>Pseudomonas aeruginosa</i> Biofilm Development: Interplay between Flow, Growth Medium, and Mechanical Properties of Substrate. 2023 , 15, 2781-2791	0

- 168 Spatial exclusion leads to tug-of-war ecological dynamics between competing species within microchannels. ○
- 167 Combined Use of Antimicrobial Peptides with Antiseptics against Multidrug-Resistant Bacteria: Pros and Cons. **2023**, 15, 291 1
- 166 Genome-wide mapping of fluoroquinolone-stabilized DNA gyrase cleavage sites displays drug specific effects that correlate with bacterial persistence. ○
- 165 Effective Biofilm Eradication on Orthopedic Implants with Methylene Blue Based Antimicrobial Photodynamic Therapy In Vitro. **2023**, 12, 118 ○
- 164 Extracellular succinate induces spatially organized biofilm formation in *Clostridioides difficile*. ○
- 163 Strontium-doped bioactive glass/PDA functionalized polyetheretherketone with immunomodulatory property for enhancing photothermal clearance of *Staphylococcus aureus*. **2023**, 225, 111552 ○
- 162 Subinhibitory concentrations of florfenicol increase the biofilm formation of *Piscirickettsia salmonis*. ○
- 161 Immune response modulation by *Pseudomonas aeruginosa* persister cells. ○
- 160 A mechanistic understanding of microcolony morphogenesis: coexistence of mobile and sessile aggregates. ○
- 159 Nature-Inspired Surface Structures Design for Antimicrobial Applications. **2023**, 24, 1348 ○
- 158 Auranofin inhibits virulence pathways in *Pseudomonas aeruginosa*. **2023**, 117167 ○
- 157 The CuO and AgO co-modified ZnO nanocomposites for promoting wound healing in *Staphylococcus aureus* infection. **2023**, 100552 ○
- 156 Therapeutic Strategies against Biofilm Infections. **2023**, 13, 172 1
- 155 Lipid Liquid Crystal Nanoparticles: Promising Photosensitizer Carriers for the Treatment of Infected Cutaneous Wounds. **2023**, 15, 305 ○
- 154 Contamination of dental unit water lines (DUWL) with *Legionella pneumophila* and *Pseudomonas aeruginosa*; A Middle East systematic review and meta-analysis. **2023**, ○
- 153 Using optical coherence tomography images to evaluate fungal growth in relined resins. ○
- 152 Disruption of biofilms in periodontal disease through the induction of phase transition by cationic dextrans. **2023**, ○
- 151 Exogenous c-di-GMP inhibited the biofilm formation of *Vibrio splendidus*. **2023**, 175, 105981 ○

- 150 Enzymatic bionanocatalysts for combating peri-implant biofilm infections by specific heat-amplified chemodynamic therapy and innate immunomodulation. **2023**, 67, 100917 1
- 149 Endotracheal tube biofilm in critically ill patients during the COVID-19 pandemic : description of an underestimated microbiological compartment. **2022**, 12, 0
- 148 A 24-hour *Endida sp.* biofilm formation dynamically assessed with modified macrometric method. **2022**, 12, 1129-1135 0
- 147 Activity of Sodium Trimetaphosphate Nanoparticles on Cariogenic-Related Biofilms In Vitro. **2023**, 13, 170 0
- 146 Antimicrobial activity of water-soluble tetra-cationic porphyrins on *Pseudomonas aeruginosa*. **2022**, 103266 0
- 145 Physical and Antimicrobial Properties of Chitosan/Silver Nanoparticle Composite Hydrogels: Role of the Crosslinker. **2023**, 11, 133-143 0
- 144 The Determination, Monitoring, Molecular Mechanisms and Formation of Biofilm in *E. coli*. 0
- 143 The Emerging Role of Probiotics and their Derivatives against Biofilm-Producing MRSA: A Scoping Review. **2022**, 2022, 1-10 0
- 142 Root canal microbiota as an augmented reservoir of antimicrobial resistance genes in type 2 diabetes mellitus patients. 30, 0
- 141 Microbial Biofilm—modern sustainable approach for bioremediation in 21st century. **2022**, 65-92 0
- 140 Microbial biofilms: A persisting public health challenge. **2023**, 291-314 0
- 139 Instantaneous Clearing of Biofilm (iCBiofilm): an optical approach to revisit bacterial and fungal biofilm imaging. **2023**, 6, 0
- 138 Mechanical Characterization and Single-Cell Imaging of Bacterial Biofilms. 0
- 137 Esophageal dysbiosis and pathogenesis of gastroesophageal reflux disease. **2023**, 47-60 0
- 136 Nanotechnology as a Promising Approach to Combat Multidrug Resistant Bacteria: A Comprehensive Review and Future Perspectives. **2023**, 11, 413 1
- 135 Multifunctional ZnFeO₄-Based Antibiotic Cross-Linked Nanoplatfrom for Magnetically Targeted Treatment of Microbial Biofilms. **2023**, 6, 2141-2150 0
- 134 Nanogels for drug delivery: physicochemical properties, biological behavior, and in vivo applications. **2023**, 95-131 0
- 133 Role of biofilms in hospital-acquired infections (HAIs). **2023**, 209-245 0

- 132 Microfluidic Separation and Enrichment of Escherichia coli by Size Using Viscoelastic Flows. **2023**, 95, 2561-2569
- 131 Molecular mechanism of biofilm formation of pathogenic microorganisms and their role in host pathogen interaction. **2023**, 569-586
- 130 Antimicrobial peptide resistance and scope of computational biology in antimicrobial peptide research. **2023**, 261-295
- 129 Streptococcus pneumoniae biofilms and human infectious diseases: A review. **2023**, 475-483
- 128 A common tolerance mechanism of bacterial biofilms to antibiotics.
- 127 Polymicrobial biofilms: Impact on fungal pathogenesis. **2023**, 521-567
- 126 The NET response to biofilm infections. **2023**, 575-589
- 125 From understanding bacterial interactions to developing bactericidal surfaces. **2023**, 41-57
- 124 Smart Bactericidal Surfaces with Thermoresponsive Switchability and Ph-Controlled Regenerability.
- 123 Removal and control of biofilms in wounds. **2023**, 275-289
- 122 A highly stretchable, adhesive and absorbent hybrid hydrogel dressing for photothermal/chemodynamic antibacterial therapy.
- 121 Building blocks of biofilms An engaging and hands-on microbiology outreach activity for school children and the general public. **2023**, 5,
- 120 CRISPR-Cas system as a promising player against bacterial infection and antibiotic resistance. **2023**, 68, 100948
- 119 Bacterial Biofilm and Dentistry. **2001**, 29, 355-360
- 118 Biofilms: Sensing and Signaling. **2001**, 29, 351-353
- 117 Periodontitis as a Biofilm Infection. **2001**, 29, 362-369
- 116 New lectin isolated from the tropical sponge Haliclona (Reniera) implexiformis (Hechtel, 1965) shows antibiofilm effect. **2023**, 95,
- 115 Pandemic response: Isolationism or solidarity?. **2023**, 93-108

- 114 Mechanism of action of the lantibiotics on the multidrug-resistant organisms. **2023**, 85-117 ○
- 113 Synthesis, Biological Evaluation and in Silico Study of N -(2- and 3-Pyridinyl)benzamide Derivatives as Quorum Sensing Inhibitors against *Pseudomonas aeruginosa*. **2023**, 20, ○
- 112 Potential side effects of antibacterial coatings in orthopaedic implants: A systematic review of clinical studies. 11, ○
- 111 Metalloprotein-inspired supramolecular photodynamic nanodrugs by multicomponent coordination for deep penetration and enhanced biofilm eradication. ○
- 110 The Use of Preoperative Antibiotics in Hardware-Based Hand Procedures Is Not Necessary. Publish Ahead of Print, ○
- 109 Disruption of Biofilm Formation and Quorum Sensing in Pathogenic Bacteria by Compounds from *Zanthoxylum Gilletti* (De Wild) P.G. Waterman. ○
- 108 Biofilm formation by *E. coli* and *S. aureus* on cellphone cover: sensitivity to commercially available sanitizers. **2023**, 70, 181-186 ○
- 107 Hydrophilic Modification Strategies to Enhance the Surface Biocompatibility of Poly(dimethylsiloxane)-Based Biomaterials for Medical Applications. 2202333 ○
- 106 Biology and Regulation of Staphylococcal Biofilm. **2023**, 24, 5218 ○
- 105 *Staphylococcus lugdunensis* infective endocarditis with perforation of the sinus of Valsalva: a Case Report. ○
- 104 Antimicrobial Peptide Nanoparticle-Based Microneedle Patches for the Treatment of Bacteria-Infected Wounds. ○
- 103 Inhibiting bacterial biofilm formation by stimulating c-di-GMP regulation using citrus peel extract from Jeju Island. **2023**, 872, 162180 ○
- 102 Self-enhanced ROS generation by responsive co-delivery of H₂O₂ and O₂ based on a versatile composite biomaterial for hypoxia-irrelevant multimodal antibiofilm therapy. **2023**, 142958 ○
- 101 Novel high-throughput screening platform identifies enzymes to tackle biofouling on reverse osmosis membranes. **2023**, 554, 116485 1
- 100 Biofilm growth monitoring using guided wave ultralong-range Surface Plasmon Resonance: A proof of concept. **2023**, 228, 115204 ○
- 99 Conductive hydrogels with hierarchical biofilm inhibition capability accelerate diabetic ulcer healing. **2023**, 463, 142457 ○
- 98 Antibiofilm action using water-soluble tetra-cationic porphyrin and antibacterial photodynamic therapy against *Moraxella* spp. from cattle. **2023**, 178, 106081 ○
- 97 Photodynamic nano hydroxyapatite with biofilm penetration capability for dental plaque eradication and prevention of demineralization. **2023**, 225, 113242 ○

- 96 In vitro anti-biofilm effects of *Loxostylis alata* extracts and isolated 5-demethyl sinensetin on selected foodborne bacteria. **2023**, 156, 29-34 ○
- 95 Removal of biocontamination in the food industry using physical methods; an overview. **2023**, 148, 109645 ○
- 94 Synergy effect of bactericidal and antifouling with structure reversion and hydrolysis of cationic amphiphilic copolymer PHMA-b-PCBMAE to zwitterionic copolymer. **2023**, 179, 107508 ○
- 93 Raspberry-like gold nanozyme-hybrid liposomes for hypoxia-enhanced biofilm eradication. **2023**, 50, 101828 ○
- 92 Using electrochemical impedance spectroscopy to study biofilm growth in a 3D-printed flow cell system. **2023**, 14, 100326 ○
- 91 Bioactive wound powders as wound healing dressings and drug delivery systems. **2023**, 423, 118501 ○
- 90 Berberine disrupts staphylococcal proton motive force to cause potent anti-staphylococcal effects in vitro. **2023**, 5, 100117 ○
- 89 Local Antibiotic Delivery Options in Prosthetic Joint Infection. **2023**, 12, 752 ○
- 88 Graphene oxide affects bacteriophage infection of bacteria by promoting the formation of biofilms. **2023**, 880, 163027 ○
- 87 *Bacillus subtilis*-based biofilms. **2022**, 93-104 ○
- 86 PNAG exopolysaccharide eradication gives neutrophils access to *Staphylococcus aureus* biofilm infections. ○
- 85 Facile and versatile strategy for fabrication of highly bacteriostatic and biocompatible SLA-Ti surfaces with the regulation of Mg/Cu coimplantation ratio for dental implant applications. **2023**, 223, 113180 ○
- 84 Antimicrobial Effects of Non-Thermal Atmospheric Pressure Plasma on Oral Microcosm Biofilms. **2023**, 20, 2447 ○
- 83 Intelligent design and medical applications of antimicrobial hydrogels. **2023**, 53, 100696 ○
- 82 Haemodialysis vascular catheter-related blood stream infection: Organism types and clinical outcomes. **2023**, 28, 249-253 ○
- 81 VIRULICIDAL EFFECT OF THE PROBIOTIC DRUG "SVITECO-MULTI" ON POLIOVIRUS TYPE 1 AND INFLUENZA VIRUS. **2022**, 91, 24-27 ○
- 80 Porous surface with fusion peptides embedded in strontium titanate nanotubes elevates osteogenic and antibacterial activity of additively manufactured titanium alloy. **2023**, 224, 113188 ○
- 79 Silver Nanoparticles: Bactericidal and Mechanistic Approach against Drug Resistant Pathogens. **2023**, 11, 369 1

- 78 A dual-functional PEEK implant coating for anti-bacterial and accelerated osseointegration. **2023**, 224, 113196 ○
- 77 Quantitative Proteomic Characterization of Foreign Body Response towards Silicone Breast Implants Identifies Chronological Disease-Relevant Biomarker Dynamics. **2023**, 13, 305 ○
- 76 Differential Susceptibility of Mixed Polymicrobial Biofilms Involving Ocular Coccoid Bacteria (*Staphylococcus aureus* and *S. epidermidis*) and a Filamentous Fungus (*Fusarium solani*) on Ex Vivo Human Corneas. **2023**, 11, 413 ○
- 75 Design, synthesis, and biological evaluation of benzoheterocyclic sulfoxide derivatives as quorum sensing inhibitors in *Pseudomonas aeruginosa*. **2023**, 38, ○
- 74 Phage and Antibiotic Combinations Reduce *Staphylococcus aureus* in Static and Dynamic Biofilms Grown on an Implant Material. **2023**, 15, 460 ○
- 73 Effects of *Euterpe oleracea* Mart. extract on *Candida* spp. biofilms. **2023**, 54, 29-36 ○
- 72 May the force be with you: The role of hyper-mechanostability of the bone sialoprotein binding protein during early stages of *Staphylococci* infections. 11, ○
- 71 In vitro and in vivo synergistic effects of hydroxychloroquine and itraconazole on *Cryptococcus neoformans*. ○
- 70 Industrial backgrounds and microbes growth. **2023**, 141-217 ○
- 69 Revisions- und Wechselendoprothetik [Azetabulum]. **2023**, 18, 21-40 ○
- 68 Identification of Potential Antimicrobial Targets of *Pseudomonas aeruginosa* Biofilms through a Novel Screening Approach. **2023**, 11, ○
- 67 Larval Therapy and Larval Excretions/Secretions: A Potential Treatment for Biofilm in Chronic Wounds? A Systematic Review. **2023**, 11, 457 ○
- 66 Therapeutic Drug Monitoring of Vancomycin Concentrations for the Management of Bone and Joint Infections: An Urgent Need. **2023**, 8, 113 ○
- 65 Perspective: The viscoelastic properties of biofilm infections and mechanical interactions with phagocytic immune cells. 13, ○
- 64 Sensitive and Accurate Differentiation of Extracellular Polymeric Substance Hydrolysis Using Flow Cytometry during Biofilm Extracellular Polymeric Substance Extraction. **2023**, 3, 1019-1028 ○
- 63 Foodborne Pathogen Biofilms: Development, Detection, Control, and Antimicrobial Resistance. **2023**, 12, 352 ○
- 62 Self-Homeostasis Immunoregulatory Strategy for Implant-Related Infections through Remodeling Redox Balance. **2023**, 17, 4574-4590 ○
- 61 Morphological computation and decentralized learning in a swarm of sterically interacting robots. **2023**, 8, ○

- 60 Long-term changes in thickness, live/dead bacterial ratio, and mineral content in biofilm on ceramic and stainless steel orthodontic attachments. ○
- 59 Staphylococcus aureus chronic intramammary infections in dairy cows: Pathogen-specific characteristics. **2023**, 2023, ○
- 58 Clinical effectiveness of antimicrobial dressings. **2023**, 203-227 ○
- 57 Rationally Designed Ionic Covalent Organic Networks (iCONs) with Efficient Antimicrobial Activities. **2023**, 12, 376-381 ○
- 56 Recent advances in biofilm formation and their role in environmental protection. **2023**, 263-279 ○
- 55 Emergence of Small Colony Variants Is an Adaptive Strategy Used by Pseudomonas aeruginosa to Mitigate the Effects of Redox Imbalance. **2023**, 8, ○
- 54 Enhanced Bacteriostatic Properties of Ti Alloys by Surface Nitriding. ○
- 53 In Vitro Models of Bacterial Biofilms: Innovative Tools to Improve Understanding and Treatment of Infections. **2023**, 13, 904 ○
- 52 A Comprehensive Mechanistic Antibacterial and Antibiofilm Study of Potential Bioactive ((BpA)2bp)Cu/Zn Complexes via Bactericidal Mechanisms against Escherichia coli. **2023**, 28, 2215 ○
- 51 Virulence Characteristics and Molecular Typing of Carbapenem-Resistant ST15 Klebsiella pneumoniae Clinical Isolates, Possessing the K24 Capsular Type. **2023**, 12, 479 ○
- 50 New Perspectives on BolA: A Still Mysterious Protein Connecting Morphogenesis, Biofilm Production, Virulence, Iron Metabolism, and Stress Survival. **2023**, 11, 632 ○
- 49 Combination d-Amino Acid and Photothermal Hydrogel for the Treatment of Prosthetic Joint Infections. **2023**, 6, 1231-1241 ○
- 48 Clinical Antibiotic-Resistance Plasmids Have Small Effects on Biofilm Formation and Population Growth in Escherichia coli in vitro. ○
- 47 Bacterial protease-responsive shape memory polymers for infection surveillance and biofilm inhibition in chronic wounds. ○
- 46 OprF impacts Pseudomonas aeruginosa biofilm matrix eDNA levels in a nutrient-dependent manner. ○
- 45 The role of nanocomposites against biofilm infections in humans. 13, ○
- 44 Can We Eliminate Microorganisms From the Root Canal System?. **2018**, 46, 227-235 ○
- 43 Sonocatalytic hydrogen/hole-combined therapy for anti-biofilm and infected diabetic wound healing. **2023**, 10, ○

- 42 Piezoelectric Nanozyme for Dual-Driven Catalytic Eradication of Bacterial Biofilms. ○
- 41 Diagnostic accuracy of sonication fluid cultures from prosthetic components in periprosthetic joint infection: an updated diagnostic meta-analysis. **2023**, 18, ○
- 40 Pillararenes as Promising Carriers for Drug Delivery. **2023**, 24, 5167 ○
- 39 Bacteriophages: the dawn of a new era in periodontal microbiology?. 1-12 ○
- 38 A Review on Nano Ti-Based Oxides for Dark and Photocatalysis: From Photoinduced Processes to Bioimplant Applications. **2023**, 13, 982 ○
- 37 Protein amyloid aggregate: Structure and function. ○
- 36 Antimicrobial and Antibiofilm Activity of Copper-Based Metallic Compounds Against Bacteria Related with Healthcare-Associated Infections. **2023**, 80, ○
- 35 Cinacalcet exhibits rapid bactericidal and efficient anti-biofilm activities against multidrug-resistant Gram-positive pathogens. **2023**, 26, 106378 ○
- 34 Anti-biofilm potential against *P. aeruginosa* biofilm in cystic fibrosis infection by systemically developed garlic extract incorporated liposomal formulation. **2023**, 82, 104359 ○
- 33 Antimicrobial photodynamic therapy with *Ligularia fischeri* against methicillin-resistant *Staphylococcus aureus* infection in *Caenorhabditis elegans* model. **2023**, 66, ○
- 32 Antimicrobial PDT effectively destroys *E. coli* and *E. faecalis* orthopaedic biofilms compared to low efficacy of a tobramycin and vancomycin mixture: an in vitro study using optical coherence tomography. **2023**, ○
- 31 Biosynthesized Ag₂ZnO nanohybrids exhibit strong antibacterial activity by inducing oxidative stress. **2023**, ○
- 30 Immune Response Modulation by *Pseudomonas aeruginosa* Persister Cells. ○
- 29 Synthesis of biologically derived poly(pyrogallol) nanofibers for antibacterial applications. **2023**, 11, 3356-3363○
- 28 Swimming of Buoyant Bacteria in Quiescent Medium and Shear Flows. **2023**, 39, 4224-4232 ○
- 27 Two-stage revision in periprosthetic knee joint infections. 14, 113-122 ○
- 26 Science-Informed Health Policies for Oral and Systemic Health. Volume 15, 43-57 ○
- 25 Effect of nisin and p-coumaric acid on autoinducer-2 activity, biofilm formation, and sprE expression of *Enterococcus faecalis*. ○

- 24 Ultrastructural Evidence of Mitochondrial Dysfunction in Osteomyelitis Patients. **2023**, 24, 5709
- 23 Applying enzyme treatments in *Bacillus cereus* biofilm removal. **2023**, 180, 114667
- 22 In Vitro Antibiofilm Activity of Resveratrol against *Aeromonas hydrophila*. **2023**, 12, 686
- 21 Characterization of the Biofilms Formed by Histamine-Producing *Lentilactobacillus parabuchneri* Strains in the Dairy Environment. **2023**, 12, 1503
- 20 Thymol-Decorated Gold Nanoparticles for Curing Clinical Infections Caused by Bacteria Resistant to Last-Resort Antibiotics.
- 19 Isoamphipathic antibacterial molecules regulating activity and toxicity through positional isomerism.
- 18 Mechanical ventilation in dogs and cats with tick paralysis. 10,
- 17 A study on the effect of denture cleaning utilizing active micro-locomotion of diatom complex. **2023**, 50, 59-68
- 16 Spatial transcriptome uncovers rich coordination of metabolism in *E. coli* K12 biofilm.
- 15 Crosstalk between microbial biofilms in the gastrointestinal tract and chronic mucosa diseases. 14,
- 14 *Vibrio cholerae* biofilms use modular adhesins with glycan-targeting and nonspecific surface binding domains for colonization. **2023**, 14,
- 13 Microbubble cavitation restores *Staphylococcus aureus* antibiotic susceptibility in vitro and in a septic arthritis model. **2023**, 6,
- 12 HKUST-1 loaded few-layer Ti3C2Tx for synergistic chemo-photothermal effects to enhance antibacterial activity.
- 11 Detection of microbial biofilms inside the lumen of ureteral stents: two case reports. **2023**, 17,
- 10 PtsN in *Pseudomonas aeruginosa* Is Phosphorylated by Redundant Upstream Proteins and Impacts Virulence-Related Genes.
- 9 Fabrication of ultrafiltration membranes with improved antifouling and antibacterial capability by surface modification of quaternary ammonium. **2023**, 112083
- 8 Sonodynamic Bacterial Inactivation Enhanced by an Actuator-Integrated Mechanism.
- 7 Biofilm microenvironment-responsive polymeric CO releasing micelles for enhanced amikacin efficacy. **2023**, 357, 561-571

- 6 The importance of superoxide anion for *Escherichia coli* biofilm removal using plasma-activated water. **2023**, 109977
- 5 The *Pseudomonas aeruginosa* Biofilm Matrix Protein CdrA Has Similarities to Other Fibrillar Adhesin Proteins.
- 4 The phospholipid biosynthesis enzyme PlsB contains three distinct domains for membrane association, lysophosphatidic acid synthesis and dimerization.
- 3 Why does SLIPS inhibit *P.aeruginosa* initial adhesion in static condition?. **2023**,
- 2 A wettability-transformable superhydrophobic composite coating of hydroxyapatite/bismuth sulfide/lauric acid on AZ31B Mg alloy with dual-function of antibacterial and osteogenic properties. **2023**,
- 1 Role of natural plant extracts with anti-*Porphyromonas gingivalis* function in the prevention and treatment of periodontitis. **2023**,