

# Biofilm in Implant Infections: Its Production and Regulation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Infrared Spectroscopic Studies of Siderophore-Related Hydroxamic Acid Ligands Adsorbed on Titanium Dioxide. <i>Langmuir</i> , 2006, 22, 10109-10117.	1.6	55
2	Automated Ribotyping to Distinguish the Different <sup>non</sup> Sau/ <sup>non</sup> Sep Staphylococcal Emerging Pathogens in Orthopedic Implant Infections. <i>International Journal of Artificial Organs</i> , 2006, 29, 421-429.	0.7	14
3	Advances in in Vitro and in Vivo Models for Studying the Staphylococcal Factors Involved in Implant Infections. <i>International Journal of Artificial Organs</i> , 2006, 29, 368-378.	0.7	29
4	Biofilm Related Infections: Is There a Place for Conservative Treatment of Port-Related Bloodstream Infections?. <i>International Journal of Artificial Organs</i> , 2006, 29, 379-386.	0.7	13
5	Animal Models of Osteomyelitis. <i>International Journal of Artificial Organs</i> , 2006, 29, 407-420.	0.7	52
6	Prevalence and Antibiotic Resistance of 15 Minor Staphylococcal Species Colonizing Orthopedic Implants. <i>International Journal of Artificial Organs</i> , 2006, 29, 395-401.	0.7	70
7	Emerging Staphylococcus Species as New Pathogens in Implant Infections. <i>International Journal of Artificial Organs</i> , 2006, 29, 360-367.	0.7	77
8	Prosthetic-joint-associated infections. <i>Best Practice and Research in Clinical Rheumatology</i> , 2006, 20, 1045-1063.	1.4	202
9	YliH (BssR) and YceP (BssS) Regulate Escherichia coli K-12 Biofilm Formation by Influencing Cell Signaling. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2449-2459.	1.4	215
10	Tight Modulation of Escherichia coli Bacterial Biofilm Formation through Controlled Expression of Adhesion Factors. <i>Applied and Environmental Microbiology</i> , 2007, 73, 3391-3403.	1.4	51
11	Surgical Wound Healing and Management. , 0, , .		16
12	Staphylococcus Biofilm Components as Targets for Vaccines and Drugs. <i>International Journal of Artificial Organs</i> , 2007, 30, 813-819.	0.7	14
13	Biotechnological War against Biofilms. Could Phages Mean the End of Device-Related Infections?. <i>International Journal of Artificial Organs</i> , 2007, 30, 805-812.	0.7	14
14	A Sheep Model for the Study of Biofilms in Rhinosinusitis. <i>American Journal of Rhinology &amp; Allergy</i> , 2007, 21, 339-345.	2.3	82
15	The etiology of medial migration of tympanostomy tubes. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2007, 71, 678.	0.4	5
16	Protection against Escherichia coli infection by antibody to the Staphylococcus aureus poly-N-acetylglucosamine surface polysaccharide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7528-7533.	3.3	74
17	Bacterial Communications in Implant Infections: A Target for an Intelligence War. <i>International Journal of Artificial Organs</i> , 2007, 30, 757-763.	0.7	103
18	Bacterial Gangs Attack Implants. <i>International Journal of Artificial Organs</i> , 2007, 30, 755-756.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Underestimated Collateral Effects of Antibiotic Therapy in Prosthesis-Associated Bacterial Infections. International Journal of Artificial Organs, 2007, 30, 786-791.	0.7	5
20	Effects of Tigecycline, Linezolid and Vancomycin on Biofilms of Viridans Streptococci Isolates from Patients with Endocarditis. International Journal of Artificial Organs, 2007, 30, 798-804.	0.7	6
21	Microbiology of Infection in Mechanical Circulatory Support. International Journal of Artificial Organs, 2007, 30, 764-770.	0.7	13
22	Prevalence of Genes Encoding for Staphylococcal Leukocidal Toxins among Clinical Isolates of Staphylococcus Aureus from Implant Orthopedic Infections. International Journal of Artificial Organs, 2007, 30, 792-797.	0.7	19
23	Microbial Polysaccharide Structures. , 2007, , 123-179.		18
24	Linezolid in the Treatment of Implant-related Chronic Osteomyelitis. Clinical Orthopaedics and Related Research, 2007, 461, 40-43.	0.7	32
25	Antibiotic multiresistance strictly associated with IS256 andica genes inStaphylococcus epidermidis strains from implant orthopedic infections. Journal of Biomedical Materials Research - Part A, 2007, 83A, 813-818.	2.1	27
26	Advancements in molecular epidemiology of implant infections and future perspectives. Biomaterials, 2007, 28, 5155-5168.	5.7	95
27	Biofilms in Ear, Nose, and Throat Infections: How Important are They?. Laryngoscope, 2007, 117, 668-673.	1.1	98
28	Confocal Scanning Laser Microscopy Evidence of Biofilms in Patients With Chronic Rhinosinusitis. Laryngoscope, 2007, 117, 1302-1306.	1.1	169
29	Interactions and competition within the microbial community of the human colon: links between diet and health. Environmental Microbiology, 2007, 9, 1101-1111.	1.8	518
30	Bacterial colonization immediately after installation on oral titanium implants. Clinical Oral Implants Research, 2007, 18, 501-508.	1.9	377
31	Complications of Central Venous Catheterization. Journal of the American College of Surgeons, 2007, 204, 681-696.	0.2	313
32	Fluorescence microscopic visualization and quantification of initial bacterial colonization on enamel in situ. Archives of Oral Biology, 2007, 52, 1048-1056.	0.8	162
33	Continuous nondestructive monitoring of Bordetella pertussis biofilms by Fourier transform infrared spectroscopy and other corroborative techniques. Analytical and Bioanalytical Chemistry, 2007, 387, 1759-1767.	1.9	47
34	Microbe repelling coated stainless steel analysed by field emission scanning electron microscopy and physicochemical methods. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 751-760.	1.4	52
35	Strong biofilm production, antibiotic multi-resistance and high gelE expression in epidemic clones of Enterococcus faecalis from orthopaedic implant infections. Biomaterials, 2008, 29, 580-586.	5.7	76
36	Oneâ€year bacterial colonization patterns of <i>Staphylococcus aureus</i> and other bacteria at implants and adjacent teeth. Clinical Oral Implants Research, 2008, 19, 242-248.	1.9	151

#	ARTICLE	IF	CITATIONS
37	Weak effect of metal type and ica genes on staphylococcal infection of titanium and stainless steel implants. <i>Clinical Microbiology and Infection</i> , 2008, 14, 1135-1145.	2.8	30
38	The potential of lipid- and polymer-based drug delivery carriers for eradicating biofilm consortia on device-related nosocomial infections. <i>Journal of Controlled Release</i> , 2008, 128, 2-22.	4.8	91
39	Understanding the pathophysiology of hemodialysis access problems as a prelude to developing innovative therapies. <i>Nature Clinical Practice Nephrology</i> , 2008, 4, 628-638.	2.0	24
40	Discovery of a Quorum-Sensing Inhibitor of Drug-Resistant Staphylococcal Infections by Structure-Based Virtual Screening. <i>Molecular Pharmacology</i> , 2008, 73, 1578-1586.	1.0	177
41	New Anti-Infective Coatings of Medical Implants. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1957-1963.	1.4	61
42	Evaluation of Quantitative Analysis of Cultures from Sonicated Retrieved Orthopedic Implants in Diagnosis of Orthopedic Infection. <i>Journal of Clinical Microbiology</i> , 2008, 46, 488-492.	1.8	142
43	Population-level virulence factors amongst pathogenic bacteria: relation to infection outcome. <i>Future Microbiology</i> , 2008, 3, 31-42.	1.0	24
44	Pathogenesis of mucosal biofilm infections: challenges and progress. <i>Expert Review of Anti-Infective Therapy</i> , 2008, 6, 201-208.	2.0	85
46	Still Stuck in the Slime. <i>International Journal of Artificial Organs</i> , 2008, 31, 749-751.	0.7	3
47	Photodynamic Action of Merocyanine 540 on Staphylococcus Epidermidis Biofilms. <i>International Journal of Artificial Organs</i> , 2008, 31, 848-857.	0.7	16
48	Suppression of Biofilm Related, Device-Associated Infections by Staphylococcal Quorum Sensing Inhibitors. <i>International Journal of Artificial Organs</i> , 2008, 31, 761-770.	0.7	57
49	The Alpha-Like Surface Proteins: An Example of an Expanding Family of Adhesins. <i>International Journal of Artificial Organs</i> , 2008, 31, 834-840.	0.7	5
50	Perspectives on DNA Vaccines. Targeting Staphylococcal Adhesins to Prevent Implant Infections. <i>International Journal of Artificial Organs</i> , 2009, 32, 635-641.	0.7	11
51	New Concepts and New Weapons in Implant Infections. <i>International Journal of Artificial Organs</i> , 2009, 32, 533-536.	0.7	44
52	Current Methods for Molecular Epidemiology Studies of Implant Infections. <i>International Journal of Artificial Organs</i> , 2009, 32, 642-654.	0.7	7
53	A Long-Term Retrospective Review of 5 Cases using Daptomycin for Prosthetic Device Infections after Surgery. <i>International Journal of Artificial Organs</i> , 2009, 32, 299-307.	0.7	4
54	Panton-Valentine Leukocidin Gene Detected in a <i>Staphylococcus Aureus</i> Strain Isolated from a Knee Arthroprosthesis Infection. <i>International Journal of Artificial Organs</i> , 2009, 32, 630-634.	0.7	6
55	Bacterial Otitis Media, the Chinchilla Middle Ear, and Biofilms. <i>Journal of Infectious Diseases</i> , 2009, 199, 774-775.	1.9	8

#	ARTICLE	IF	CITATIONS
56	New Anti-infective Coatings of Surgical Sutures Based on a Combination of Antiseptics and Fatty Acids. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1439-1449.	1.9	38
57	Introduction to biofilms in urology. , 2009, , 3-41.		2
58	Biomaterial and antibiotic strategies for periâ€implantitis: A review. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 88B, 530-543.	1.6	265
59	Secondary flow mixing due to biofilm growth in capillaries of varying dimensions. <i>Biotechnology and Bioengineering</i> , 2009, 103, 353-360.	1.7	17
60	Reduction of Biofilm Formation on aâ€C:H Coated Implants: Investigation of Biofilmâ€Surface Interactions by Variation of Thin Film Properties. <i>Plasma Processes and Polymers</i> , 2009, 6, S41.	1.6	11
61	Pluronic's influence on pseudomonad biofilm and phenazine production. <i>FEMS Microbiology Letters</i> , 2009, 293, 148-153.	0.7	17
62	Cross-kingdom interactions: <i>Candida albicans</i> and bacteria. <i>FEMS Microbiology Letters</i> , 2009, 299, 1-8.	0.7	362
63	The sociobiology of biofilms. <i>FEMS Microbiology Reviews</i> , 2009, 33, 206-224.	3.9	566
64	Staphylococcal biofilms impair wound healing by delaying reepithelialization in a murine cutaneous wound model. <i>Wound Repair and Regeneration</i> , 2009, 17, 354-359.	1.5	260
66	In vitro antimicrobial activity of alpha-melanocyte stimulating hormone against major human pathogen <i>Staphylococcus aureus</i> . <i>Peptides</i> , 2009, 30, 1627-1635.	1.2	43
68	Phosphorylcholine Impairs Susceptibility to Biofilm Formation of Hydrogel Contact Lenses. <i>American Journal of Ophthalmology</i> , 2009, 147, 134-139.	1.7	39
69	Inhibitory efficacy of various antibiotics on matrix and viable mass of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> biofilms. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 525-531.	1.1	56
70	Submicron Trenches Reduce the <i>Pseudomonas fluorescens</i> Colonization Rate on Solid Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 136-143.	4.0	43
71	Phosphonate monolayers functionalized by silver thiolate species as antibacterial nanocoatings on titanium and stainless steel. <i>Journal of Materials Chemistry</i> , 2009, 19, 141-149.	6.7	72
72	Biofilm formation by <i>ica</i> -positive and <i>ica</i> -negative strains of <i>Staphylococcus epidermidis</i> in vitro. <i>Biofouling</i> , 2009, 25, 367-375.	0.8	25
74	Prospecting Gene Therapy of Implant Infections. <i>International Journal of Artificial Organs</i> , 2009, 32, 689-695.	0.7	20
75	Adhesion of <i>Streptococcus Mutans</i> to Different Restorative Materials. <i>International Journal of Artificial Organs</i> , 2009, 32, 671-677.	0.7	48
76	Suicide and Fratricide in Bacterial Biofilms. <i>International Journal of Artificial Organs</i> , 2009, 32, 537-544.	0.7	42

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77	Biofilm Related to Dental Implants. <i>Implant Dentistry</i> , 2010, 19, 387-393.	1.7	68
78	Detection of Bacterial Biofilm on Cochlear Implants Removed Because of Device Failure, Without Evidence of Infection. <i>Otology and Neurotology</i> , 2010, 31, 1320-1324.	0.7	25
79	Subclinical (Biofilm) Infection Causes Capsular Contracture in a Porcine Model following Augmentation Mammoplasty. <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 835-842.	0.7	258
80	Breast Implant Infections: Is Cefazolin Enough?. <i>Plastic and Reconstructive Surgery</i> , 2010, 126, 779-785.	0.7	93
81	Common complications in the surgical intensive care unit. <i>Critical Care Medicine</i> , 2010, 38, S483-S493.	0.4	18
82	Photodynamic Action of Tri-meso (N-methylpyridyl), meso (N-tetradecyl-pyridyl) Porphine on <i>Staphylococcus Epidermidis</i> Biofilms Grown on Ti6Al4V Alloy. <i>International Journal of Artificial Organs</i> , 2010, 33, 636-645.	0.7	39
83	Developing an engineered antimicrobial/prophylactic system using electrically activated bactericidal metals. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 2103-2114.	1.7	13
84	Revision cochlear implantation in children. <i>Operative Techniques in Otolaryngology - Head and Neck Surgery</i> , 2010, 21, 233-238.	0.1	2
85	Gentamycin delivered from a PDLLA coating of metallic implants. <i>Injury</i> , 2010, 41, 1053-1059.	0.7	97
86	Anti-inflammatory properties of bioactive titanium metals. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 700-705.	2.1	5
87	Polymorphisms of <i>agr</i> locus correspond to distinct genetic patterns of virulence in <i>Staphylococcus aureus</i> clinical isolates from orthopedic implant infections. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 825-832.	2.1	8
88	Characterization of protein degradation in serum-based lubricants during simulation wear testing of metal-on-metal hip prostheses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 94B, 429-440.	1.6	27
89	Development and testing of a novel microcantilever technique for measuring the cohesive strength of intact biofilms. <i>Biotechnology and Bioengineering</i> , 2010, 105, 924-934.	1.7	43
90	Anti-biofilm activity of sub-inhibitory povidone-iodine concentrations against <i>Staphylococcus epidermidis</i> and <i>Staphylococcus aureus</i> . <i>Journal of Orthopaedic Research</i> , 2010, 28, 1252-1256.	1.2	95
91	Biofilm formation on bone grafts and bone graft substitutes: Comparison of different materials by a standard in vitro test and microcalorimetry. <i>Acta Biomaterialia</i> , 2010, 6, 3791-3797.	4.1	61
92	Antibiotic-loaded biomaterials and the risks for the spread of antibiotic resistance following their prophylactic and therapeutic clinical use. <i>Biomaterials</i> , 2010, 31, 6363-6377.	5.7	342
93	Silver nanoparticles impede the biofilm formation by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus epidermidis</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 79, 340-344.	2.5	555
94	Orthopedic Infections in Equine Long Bone Fractures and Arthrodeses Treated by Internal Fixation: 192 Cases (1990-2006). <i>Veterinary Surgery</i> , 2010, 39, 588-593.	0.5	88

#	ARTICLE	IF	CITATIONS
95	Evaluation of <i>Bacillus anthracis</i> and <i>Yersinia pestis</i> sample collection from nonporous surfaces by quantitative real-time PCR. <i>Letters in Applied Microbiology</i> , 2010, 50, 431-437.	1.0	11
96	A biofilm exists on healthy mucosa of the paranasal sinuses: a prospectively performed, blinded, scanning electron microscope study. <i>Clinical Otolaryngology</i> , 2010, 35, 104-110.	0.6	38
97	Host Defense Against Implant Infection: The Ambivalent Role of Phagocytosis. <i>International Journal of Artificial Organs</i> , 2010, 33, 565-567.	0.7	32
98	Activities of High-Dose Daptomycin, Vancomycin, and Moxifloxacin Alone or in Combination with Clarithromycin or Rifampin in a Novel <i>In Vitro</i> Model of <i>Staphylococcus aureus</i> Biofilm. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4329-4334.	1.4	118
99	Treatment of a cochlear implant biofilm infection: a potential role for alternative antimicrobial agents. <i>Journal of Laryngology and Otology</i> , 2010, 124, 729-738.	0.4	22
100	Ventricular Assist Devices and Total Artificial Hearts. , 2010, , 339-371.		1
101	Determination of biofilm mechanical properties from tensile tests performed using a micro-cantilever method. <i>Biofouling</i> , 2010, 26, 479-486.	0.8	34
102	Inhibitory Effect of Biocides on the Viable Masses and Matrices of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> Biofilms. <i>Applied and Environmental Microbiology</i> , 2010, 76, 3135-3142.	1.4	134
103	Economic implications of infections of implantable cardiac devices in a single institution. <i>European Journal of Cardio-thoracic Surgery</i> , 2010, 37, 875-879.	0.6	24
104	The use of muscle flaps in the salvage of infected exposed implants for internal fixation. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2010, 92-B, 401-405.	3.4	27
105	Biofilms: An Extra Hurdle for Effective Antimicrobial Therapy. <i>Current Pharmaceutical Design</i> , 2010, 16, 2279-2295.	0.9	119
106	Current Concepts Regarding the Effect of Wound Microbial Ecology and Biofilms on Wound Healing. <i>Surgical Clinics of North America</i> , 2010, 90, 1147-1160.	0.5	73
107	Prevention of Early Vascular Graft Infection Using Regional Antibiotic Release. <i>Journal of Surgical Research</i> , 2010, 164, e185-e191.	0.8	35
108	Burns, biofilm and a new appraisal of burn wound sepsis. <i>Burns</i> , 2010, 36, 49-56.	1.1	145
109	Surface Nanocrystallization for Bacterial Control. <i>Langmuir</i> , 2010, 26, 10930-10934.	1.6	20
110	Antimicrobial Advances in Treating Periodontal Diseases. <i>Frontiers of Oral Biology</i> , 2012, 15, 133-148.	1.5	33
111	Microbiologic Results After Non-Surgical Erbium-Doped:Yttrium, Aluminum, and Garnet Laser or Air-Abrasive Treatment of Peri-Implantitis: A Randomized Clinical Trial. <i>Journal of Periodontology</i> , 2011, 82, 1267-1278.	1.7	107
112	<i>Staphylococcus aureus</i> biofilms. <i>Virulence</i> , 2011, 2, 445-459.	1.8	734

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113	Treatment of prosthetic osteoarticular infections. Expert Opinion on Pharmacotherapy, 2011, 12, 899-912.	0.9	32
114	Infection, Inflammation, and Bone Regeneration: a Paradoxical Relationship. Journal of Dental Research, 2011, 90, 1052-1061.	2.5	259
115	Biofilm Growth on Implants: Bacteria Prefer Plasma Coats. International Journal of Artificial Organs, 2011, 34, 811-817.	0.7	45
116	New Trends in Diagnosis and Control Strategies for Implant Infections. International Journal of Artificial Organs, 2011, 34, 727-736.	0.7	97
117	Emerging Pathogenetic Mechanisms of the Implant-Related Osteomyelitis by <i>Staphylococcus Aureus</i> . International Journal of Artificial Organs, 2011, 34, 781-788.	0.7	69
118	Biofilm Extracellular-DNA in 55 <i>Staphylococcus Epidermidis</i> Clinical Isolates from Implant Infections. International Journal of Artificial Organs, 2011, 34, 840-846.	0.7	21
119	Biofilm Formation of <i>Candida</i> spp. Isolates from Patients at a Cardiothoracic Intensive Care Unit. International Journal of Artificial Organs, 2011, 34, 818-823.	0.7	8
120	Bacterial DNA from Orthopedic Implants after Routine Removal. International Journal of Artificial Organs, 2011, 34, 856-862.	0.7	9
121	Extracellular DNA in Biofilms. International Journal of Artificial Organs, 2011, 34, 824-831.	0.7	219
122	High-Throughput Assay for Bacterial Adhesion on Acellular Dermal Matrices and Synthetic Surgical Materials. Plastic and Reconstructive Surgery, 2011, 128, 1061-1068.	0.7	37
123	Lactic Acid Bacteria (LAB) in Grape Fermentations—An Example of LAB as Contaminants in Food Processing. , 2011, , 361-378.		0
124	Oxidative and nitrosative stress in <i>Staphylococcus aureus</i> biofilm. FEMS Microbiology Letters, 2011, 315, 23-29.	0.7	60
125	The characteristics of biofilms in peri-implant disease. Journal of Clinical Periodontology, 2011, 38, 203-213.	2.3	300
126	The response of <i>Pseudomonas aeruginosa</i> biofilm to the presence of a glass polyalkenoate cement formulated from a silver containing glass. Journal of Materials Science, 2011, 46, 285-287.	1.7	11
127	Intraoperative subcutaneous wound closing culture sample: a predicting factor for periprosthetic infection after hip- and knee-replacement?. Archives of Orthopaedic and Trauma Surgery, 2011, 131, 1389-1396.	1.3	10
128	Aseptic Loosening of Total Hip Arthroplasty: Infection Always Should be Ruled Out. Clinical Orthopaedics and Related Research, 2011, 469, 1401-1405.	0.7	59
129	Comparison of bacterial adhesion and cellular proliferation on newly developed three-dimensional scaffolds manufactured by rapid prototyping technology. Journal of Biomedical Materials Research - Part A, 2011, 98A, 303-311.	2.1	13
130	Biofilm growth on medical implants with randomness. Mathematical and Computer Modelling, 2011, 54, 1682-1686.	2.0	12



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131	Antibacterial properties of silver containing diamond like carbon coatings produced by ion induced polymer densification. <i>Surface and Coatings Technology</i> , 2011, 205, 4850-4854.	2.2	27
132	Survival of Adhering Staphylococci during Exposure to a Quaternary Ammonium Compound Evaluated by Using Atomic Force Microscopy Imaging. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5010-5017.	1.4	45
133	Antibiotic-Loaded Cement in Orthopedic Surgery: A Review. <i>ISRN Orthopedics</i> , 2011, 2011, 1-8.	0.7	149
134	Biofilms in chronic rhinosinusitis: systematic review and suggestions for future research. <i>Journal of Laryngology and Otology</i> , 2011, 125, 331-337.	0.4	29
135	Prophage Junction Fragments as Markers for <i>Listeria monocytogenes</i> Genotypes Unique to Individual Meat and Poultry Processing Plants and a Model for Rapid Niche-Specific Adaptation, Biofilm Formation, and Persistence. <i>Applied and Environmental Microbiology</i> , 2011, 77, 3279-3292.	1.4	122
136	Bone Grafting and One-Stage Revision of THR - Biological Reconstruction and Effective Antimicrobial Treatment Using Antibiotic Impregnated Allograft Bone. <i>HIP International</i> , 2012, 22, 62-68.	0.9	21
137	Surface-Treated versus Untreated Large-Bore Catheters as Vascular Access in Hemodialysis and Apheresis Treatments. <i>International Journal of Nephrology</i> , 2012, 2012, 1-8.	0.7	7
138	Vancomycin-Modified Implant Surface Inhibits Biofilm Formation and Supports Bone-Healing in an Infected Osteotomy Model in Sheep. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 1406-1415.	1.4	106
139	Identification and treatment of infected total hip arthroplasty. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 509-518.	2.0	17
140	Magnetic Drug Targeting as New Therapeutic Option for the Treatment of Biomaterial Infections. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 2321-2336.	1.9	10
141	Drug-eluting silk sutures to retard post-operative surgical site infections. <i>Journal of Industrial Textiles</i> , 2012, 42, 176-190.	1.1	14
143	Risk of Breast Implant Bacterial Contamination From Endogenous Breast Flora, Prevention With Nipple Shields, and Implications for Biofilm Formation. <i>Aesthetic Surgery Journal</i> , 2012, 32, 956-963.	0.9	99
144	Impact of Biofilms on Quality of Life of Rhinosinusitis Patients after Endoscopic Sinus Surgery. <i>Clinical Rhinology</i> , 2012, 5, 95-102.	0.1	0
145	Effects of Fermented Sumach on the Formation of Slime Layer of <i>Staphylococcus aureus</i> . <i>Balkan Medical Journal</i> , 2012, 29, 84-87.	0.3	3
146	Interactions of Staphylococci with Osteoblasts and Phagocytes in the Pathogenesis of Implant-Associated Osteomyelitis. <i>International Journal of Artificial Organs</i> , 2012, 35, 713-726.	0.7	27
147	From Koch's Postulates to Biofilm Theory. The Lesson of Bill Costerton. <i>International Journal of Artificial Organs</i> , 2012, 35, 695-699.	0.7	21
148	Extended Trimethoprim/Sulfamethoxazole Prophylaxis for Implant Reconstruction in the Previously Irradiated Chest Wall. <i>Plastic and Reconstructive Surgery</i> , 2012, 129, 37e-45e.	0.7	25
149	Antibacterial Activity of Glutathione-Coated Silver Nanoparticles against Gram Positive and Gram Negative Bacteria. <i>Langmuir</i> , 2012, 28, 8140-8148.	1.6	271

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150	Photocatalytic and antimicrobial properties of surgical implant coatings of titanium dioxide deposited through cathodic arc evaporation. <i>Biotechnology Letters</i> , 2012, 34, 2299-2305.	1.1	46
151	Effectiveness of ciprofloxacin or linezolid in combination with rifampicin against <i>Enterococcus faecalis</i> in biofilms. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 433-439.	1.3	65
152	Chlorhexidine delivery system from titanium/polybenzyl acrylate coating: Evaluation of cytotoxicity and early bacterial adhesion. <i>Journal of Dentistry</i> , 2012, 40, 329-337.	1.7	40
153	Improved antibacterial and antibiofilm activity of magnesium fluoride nanoparticles obtained by water-based ultrasound chemistry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 702-711.	1.7	74
154	Surgical Site Infection and the Use of Antimicrobials. , 2012, , 68-84.		24
155	Diffusive transport without detailed balance in motile bacteria: does microbiology need statistical physics?. <i>Reports on Progress in Physics</i> , 2012, 75, 042601.	8.1	407
156	Immobilized antibiotics to prevent orthopaedic implant infections. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1165-1176.	6.6	248
157	In vivo efficacy of a silicone cationic steroid antimicrobial coating to prevent implant-related infection. <i>Biomaterials</i> , 2012, 33, 8641-8656.	5.7	59
158	Synchronizing nonfouling and antimicrobial properties in a zwitterionic hydrogel. <i>Biomaterials</i> , 2012, 33, 8928-8933.	5.7	116
159	Cis-2-decenoic Acid Inhibits <i>S. aureus</i> Growth and Biofilm In Vitro: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 2663-2670.	0.7	79
160	Synergistic antibacterial efficacy of early combination treatment with tobramycin and quorum-sensing inhibitors against <i>Pseudomonas aeruginosa</i> in an intraperitoneal foreign-body infection mouse model. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 1198-1206.	1.3	158
161	Effect of Strain Rate on the Mechanical Properties of <i>Staphylococcus epidermidis</i> Biofilms. <i>Langmuir</i> , 2012, 28, 2812-2816.	1.6	24
162	Breast Implant Infections. <i>Infectious Disease Clinics of North America</i> , 2012, 26, 111-125.	1.9	105
163	Drug release and bone growth studies of antimicrobial peptide-loaded calcium phosphate coating on titanium. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1344-1352.	1.6	91
164	Influence of gaseous ozone in peri-implantitis: bactericidal efficacy and cellular response. An in vitro study using titanium and zirconia. <i>Clinical Oral Investigations</i> , 2012, 16, 1049-1059.	1.4	42
165	Revision Total Knee Arthroplasty: Infection Should Be Ruled Out in All Cases. <i>Journal of Arthroplasty</i> , 2012, 27, 1239-1243.e2.	1.5	39
166	Hydrophobic polycationic coatings that inhibit biofilms and support bone healing during infection. <i>Biomaterials</i> , 2012, 33, 1245-1254.	5.7	139
167	Biofilm formation in <i>Staphylococcus</i> implant infections. A review of molecular mechanisms and implications for biofilm-resistant materials. <i>Biomaterials</i> , 2012, 33, 5967-5982.	5.7	874

#	ARTICLE	IF	CITATIONS
168	Bone loss biomarkers associated with peri-implantitis. A cross-sectional study. <i>Clinical Oral Implants Research</i> , 2013, 24, 1110-1116.	1.9	63
170	Salvage revision TKR for infection: a 10-year experience of a two-stage re-implantation technique. <i>European Orthopaedics and Traumatology</i> , 2013, 4, 3-8.	0.1	0
171	Characterization of the biofilm forming ability of <i>Staphylococcus pseudintermedius</i> from dogs. <i>BMC Veterinary Research</i> , 2013, 9, 93.	0.7	79
172	Microbial communities related to volatile organic compound emission in automobile air conditioning units. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 8777-8793.	1.7	9
173	Recent advances in mechanical characterisation of biofilm and their significance for material modelling. <i>Critical Reviews in Biotechnology</i> , 2013, 33, 145-171.	5.1	68
174	Implant-associated localized osteitis in murine femur fracture by biofilm forming <i>Staphylococcus aureus</i> : A novel experimental model. <i>Journal of Orthopaedic Research</i> , 2013, 31, 2013-2020.	1.2	25
175	Current and emergent strategies for disinfection of hospital environments. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 2718-2732.	1.3	146
176	Complications of Injectable Fillers, Part I. <i>Aesthetic Surgery Journal</i> , 2013, 33, 561-575.	0.9	207
177	Multispecies biofilms and host responses: "Discriminating the Trees from the Forest". <i>Cytokine</i> , 2013, 61, 15-25.	1.4	28
178	Decontamination of dental implant surfaces by means of photodynamic therapy. <i>Lasers in Medical Science</i> , 2013, 28, 303-309.	1.0	80
179	A photo-triggered layered surface coating producing reactive oxygen species. <i>Biomaterials</i> , 2013, 34, 9763-9769.	5.7	11
180	Evolving strategies for preventing biofilm on implantable materials. <i>Materials Today</i> , 2013, 16, 177-182.	8.3	87
181	Mechanical, photocatalytic and microbiological properties of titanium dioxide thin films synthesized with the sol-gel and low temperature plasma deposition techniques. <i>Materials Research Bulletin</i> , 2013, 48, 4022-4031.	2.7	25
182	Quorum sensing inhibitor FS3-coated vascular graft enhances daptomycin efficacy in a rat model of staphylococcal infection. <i>Peptides</i> , 2013, 40, 77-81.	1.2	45
183	Characterization and antibacterial performance of bioactive Ti-Zn-O coatings deposited on titanium implants. <i>Thin Solid Films</i> , 2013, 528, 143-150.	0.8	46
184	Surface-Dependent Mechanical Stability of Adsorbed Human Plasma Fibronectin on Ti6Al4V: Domain Unfolding and Stepwise Unraveling of Single Compact Molecules. <i>Langmuir</i> , 2013, 29, 8554-8560.	1.6	10
185	Antibiofilm agents and implant-related infections in orthopaedics: where are we?. <i>Journal of Chemotherapy</i> , 2013, 25, 67-80.	0.7	58
186	In Vitro Adhesion of Commensal and Pathogenic Bacteria to Commercial Titanium Implants with Different Surfaces. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 453-462.	1.0	3

#	ARTICLE	IF	CITATIONS
187	Prosthesis infections after orthopedic joint replacement: the possible role of bacterial biofilms. Orthopedic Reviews, 2013, 5, 65-71.	0.3	129
188	Periprosthetic joint infection: Current concept. Indian Journal of Orthopaedics, 2013, 47, 10-17.	0.5	102
189	A 5-Year Retrospective Study on Postsurgical Periimplant Infection During Initial Bone Healing Period. Implant Dentistry, 2013, 22, 20-25.	1.7	0
190	Bacterial colonisation of porous titanium coatings for orthopaedic implant applications – effect of surface roughness and porosity. Powder Metallurgy, 2013, 56, 267-271.	0.9	18
191	<i>In Vitro</i> Activity and Durability of a Combination of an Antibiofilm and an Antibiotic against Vascular Catheter Colonization. Antimicrobial Agents and Chemotherapy, 2013, 57, 621-625.	1.4	21
192	Diagnosis of periprosthetic joint infection. Current Orthopaedic Practice, 2013, 24, 92-97.	0.1	0
193	Materials for implantable systems. , 2013, , 3-38.		6
194	Suitability of Biomorphic Silicon Carbide Ceramics as Drug Delivery Systems against Bacterial Biofilms. ISRN Pharmaceutics, 2013, 2013, 1-8.	1.0	1
195	Evidence-Based Medicine. Plastic and Reconstructive Surgery, 2013, 132, 1684-1696.	0.7	68
196	Bacterial Growth on Cochlear Implants as a Potential Origin of Complications. Otology and Neurotology, 2013, 34, 539-543.	0.7	13
197	Incidence of Surgical-Site Infection Is Not Affected by Method of Immediate Breast Reconstruction. Plastic and Reconstructive Surgery, 2013, 132, 20e-29e.	0.7	14
198	Analyses of Antibacterial Activity and Cell Compatibility of Titanium Coated with a Zn–Ca–N Film. PLoS ONE, 2013, 8, e56771.	1.1	15
199	Investigation of the Presence of Biofilms in Chronic Suppurative Otitis Media, Nonsuppurative Otitis Media, and Chronic Otitis Media with Cholesteatoma by Scanning Electron Microscopy. Scientific World Journal, The, 2013, 2013, 1-6.	0.8	28
200	Biophysical Effects on Chronic Rhinosinusitis Bacterial Biofilms. , 2013, , .		1
201	Surgical Site Infections after Deep Brain Stimulation Surgery: Frequency, Characteristics and Management in a 10-Year Period. PLoS ONE, 2014, 9, e105288.	1.1	102
202	Bacteriophage Mediated Killing of Staphylococcus aureus In Vitro on Orthopaedic K Wires in Presence of Linezolid Prevents Implant Colonization. PLoS ONE, 2014, 9, e90411.	1.1	52
203	Lysostaphin-Coated Titan-Implants Preventing Localized Osteitis by Staphylococcus aureus in a Mouse Model. PLoS ONE, 2014, 9, e115940.	1.1	44
204	Antibiofilm Effect of Octenidine Hydrochloride on Staphylococcus aureus, MRSA and VRSA. Pathogens, 2014, 3, 404-416.	1.2	51

#	ARTICLE	IF	CITATIONS
205	Influence of Bacterial Presence on Biofilm Formation of <i>Candida albicans</i> . Yonsei Medical Journal, 2014, 55, 449.	0.9	34
206	A graphene/zinc oxide nanocomposite film protects dental implant surfaces against cariogenic <i>Streptococcus mutans</i> . Biofouling, 2014, 30, 1281-1294.	0.8	102
207	Importance of positioning for microbial evolution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1639-47.	3.3	132
208	Management Strategies for Infected Total Hip Arthroplasty. A Critical Appreciation of Problems and Techniques. HIP International, 2014, 24, 44-47.	0.9	8
209	The Macrophage Inflammatory Proteins MIP1 $\pm$ (CCL3) and MIP2 (CXCL2) in Implant-Associated Osteomyelitis: Linking Inflammation to Bone Degradation. Mediators of Inflammation, 2014, 2014, 1-10.	1.4	74
210	Bacterial Adherence to Biomaterials Used in Surgical Procedures. , 2014, , 41-57.		10
211	Staphylococcal biofilm growth on smooth and porous titanium coatings for biomedical applications. Journal of Biomedical Materials Research - Part A, 2014, 102, 215-224.	2.1	95
212	<i>In Vitro</i> Efficacy of a Novel Active-Release Antimicrobial Coating To Eradicate Biofilms of <i>Pseudomonas aeruginosa</i> . Antimicrobial Agents and Chemotherapy, 2014, 58, 2400-2404.	1.4	9
213	MAPLE fabricated magnetite@eugenol and (3-hydroxybutyric acid-co-3-hydroxyvaleric acid) polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. Applied Surface Science, 2014, 306, 16-22.	3.1	51
214	Mechanisms of synergy in polymicrobial infections. Journal of Microbiology, 2014, 52, 188-199.	1.3	149
215	Antimicrobial susceptibility testing in biofilm-growing bacteria. Clinical Microbiology and Infection, 2014, 20, 981-990.	2.8	391
216	Bone-Implant Interface in Orthopedic Surgery. , 2014, , .		7
217	Oral Administration of the Broad-Spectrum Antibiofilm Compound Toremfene Inhibits <i>Candida albicans</i> and <i>Staphylococcus aureus</i> Biofilm Formation <i>In Vivo</i> . Antimicrobial Agents and Chemotherapy, 2014, 58, 7606-7610.	1.4	22
218	Site specific immobilization of a potent antimicrobial peptide onto silicone catheters: evaluation against urinary tract infection pathogens. Journal of Materials Chemistry B, 2014, 2, 1706.	2.9	71
219	Green synthesis of Kocuran-functionalized silver glyconanoparticles for use as antibiofilm coatings on silicone urethral catheters. Nanotechnology, 2014, 25, 325101.	1.3	44
220	Role of protein environment and bioactive polymer grafting in the <i>S. epidermidis</i> response to titanium alloy for biomedical applications. Materials Science and Engineering C, 2014, 45, 176-183.	3.8	26
221	Novel anti-infective activities of chitosan immobilized titanium surface with enhanced osteogenic properties. Colloids and Surfaces B: Biointerfaces, 2014, 122, 126-133.	2.5	30
222	Effective Antifouling Using Quorum-Quenching Acylase Stabilized in Magnetically-Separable Mesoporous Silica. Biomacromolecules, 2014, 15, 1153-1159.	2.6	54

#	ARTICLE	IF	CITATIONS
223	Activities of Tobramycin and Polymyxin E against <i>Pseudomonas aeruginosa</i> Biofilm-Coated Medical Grade Endotracheal Tubes. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1723-1729.	1.4	16
224	Delay before implanting a port-a-cath after removing the previous one because of infection. <i>MÃ©decine Et Maladies Infectieuses</i> , 2014, 44, 315-320.	5.1	3
225	Polymeric Biomaterials for Implantable Prostheses. , 2014, , 309-331.		17
226	Washing-resistant surfactant coated surface is able to inhibit pathogenic bacteria adhesion. <i>Applied Surface Science</i> , 2014, 303, 147-154.	3.1	38
227	Prevention of infection in external fixator pin sites. <i>Acta Biomaterialia</i> , 2014, 10, 595-603.	4.1	81
228	Biocompatibility of silver nanoparticles and silver ions in primary human mesenchymal stem cells and osteoblasts. <i>Acta Biomaterialia</i> , 2014, 10, 439-449.	4.1	234
229	Coatings and surface modifications imparting antimicrobial activity to orthopedic implants. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 475-495.	3.3	64
230	Rapid efficient synthesis and characterization of silver, gold, and bimetallic nanoparticles from the medicinal plant <i>Plumbago zeylanica</i> and their application in biofilm control. <i>International Journal of Nanomedicine</i> , 2014, 9, 2635.	3.3	127
231	The Ever-Changing Role of Biofilms in Plastic Surgery. <i>Plastic and Reconstructive Surgery</i> , 2014, 133, 865e-872e.	0.7	28
232	Bacterial growth, detachment and cell size control on polyethylene terephthalate surfaces. <i>Scientific Reports</i> , 2015, 5, 15159.	1.6	62
233	Microbiologically Influenced Corrosion and Its Impact on Metals and Other Materials. , 2015, , 401-426.		2
234	Colloidal crystal based plasma polymer patterning to control <i>Pseudomonas aeruginosa</i> attachment to surfaces. <i>Biointerphases</i> , 2015, 10, 04A309.	0.6	12
235	Evaluation of Contact Lens Multipurpose Solutions on Bacterial Biofilm Development. <i>Eye and Contact Lens</i> , 2015, 41, 177-182.	0.8	14
236	Intraoperative application of chlorhexidine gel reduces bacterial counts in internal implant cavity. <i>European Journal of Oral Sciences</i> , 2015, 123, 425-431.	0.7	3
237	Antibiofilm Activity of the Brown Alga <i>Halidrys siliquosa</i> against Clinically Relevant Human Pathogens. <i>Marine Drugs</i> , 2015, 13, 3581-3605.	2.2	17
238	Inhibition of <i>Staphylococcus aureus</i> Adhesion to the Surface of a Reticular Heavyweight Polypropylene Mesh Soaked in a Combination of Chlorhexidine and Allicin: An In vitro Study. <i>PLoS ONE</i> , 2015, 10, e0126711.	1.1	25
239	Synergistic Activity of the Plant Defensin HsAFP1 and Caspofungin against <i>Candida albicans</i> Biofilms and Planktonic Cultures. <i>PLoS ONE</i> , 2015, 10, e0132701.	1.1	67
240	Preclinical Bioassay of a Polypropylene Mesh for Hernia Repair Pretreated with Antibacterial Solutions of Chlorhexidine and Allicin: An In Vivo Study. <i>PLoS ONE</i> , 2015, 10, e0142768.	1.1	28

#	ARTICLE	IF	CITATIONS
241	An Activity of Thioacyl Derivatives of 4-Aminoquinolinium Salts towards Biofilm Producing and Planktonic Forms of Coagulase-Negative Staphylococci. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	1
242	One-pot three-component domino protocol for the synthesis of novel pyrano[2,3-d]pyrimidines as antimicrobial and anti-biofilm agents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7294-7306.	1.5	42
243	Sepsis in head and neck cancer patients treated with chemotherapy and radiation: Literature review and consensus. <i>Critical Reviews in Oncology/Hematology</i> , 2015, 95, 191-213.	2.0	33
244	Total Knee Arthroplasty. , 2015, , .		4
245	The Potential of Metal Nanoparticles for Inhibition of Bacterial Biofilms. , 2015, , 119-132.		3
246	Biofilms in Infections of the Eye. <i>Pathogens</i> , 2015, 4, 111-136.	1.2	120
247	Retrospective evaluation of the incidence of early periprosthetic infection with silver-treated endoprostheses in high-risk patients. <i>Bone and Joint Journal</i> , 2015, 97-B, 252-257.	1.9	163
248	Presence of bacteria in failed anterior cruciate ligament reconstructions. <i>SpringerPlus</i> , 2015, 4, 460.	1.2	17
249	Motility-Induced Phase Separation. <i>Annual Review of Condensed Matter Physics</i> , 2015, 6, 219-244.	5.2	1,045
250	In vitro and in vivo characterization of antibacterial activity and biocompatibility: A study on silver-containing phosphonate monolayers on titanium. <i>Acta Biomaterialia</i> , 2015, 15, 266-277.	4.1	58
251	An update on surgical and antimicrobial therapy for acute periprosthetic joint infection: new challenges for the present and the future. <i>Expert Review of Anti-Infective Therapy</i> , 2015, 13, 249-265.	2.0	26
252	Biofilms and implant-associated infections. , 2015, , 19-45.		7
253	Evidence-based management of deep wound infection after spinal instrumentation. <i>Journal of Clinical Neuroscience</i> , 2015, 22, 238-242.	0.8	52
254	Successful matrix guided tissue regeneration of decellularized pulmonary heart valve allografts in elderly sheep. <i>Biomaterials</i> , 2015, 52, 221-228.	5.7	50
255	Controlled drug release from antibiotic-loaded layered double hydroxide coatings on porous titanium implants in a mouse model. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2141-2149.	2.1	43
256	Nanoparticle-Stabilized Capsules for the Treatment of Bacterial Biofilms. <i>ACS Nano</i> , 2015, 9, 7775-7782.	7.3	172
257	Infected animal models for tissue engineering. <i>Methods</i> , 2015, 84, 17-24.	1.9	13
258	Bactericidal effect on Foley catheters obtained by plasma and silver nitrate treatments. <i>High Performance Polymers</i> , 2015, 27, 655-660.	0.8	16

#	ARTICLE	IF	CITATIONS
259	Fabrication of Biopolymer Hydrogel Containing Ag Nanoparticles for Antibacterial Property. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 7393-7400.	1.8	42
260	Bacterial biofilm on the sinus mucosa of healthy subjects and patients with chronic rhinosinusitis (with or without nasal polyposis). <i>Journal of Laryngology and Otology</i> , 2015, 129, 46-49.	0.4	20
261	Candida Survival Strategies. <i>Advances in Applied Microbiology</i> , 2015, 91, 139-235.	1.3	126
262	Sonication assisted microbiological diagnosis of implant-related infection caused by <i>Prevotella disiens</i> and <i>Staphylococcus epidermidis</i> in a patient with cranioplasty. <i>BMC Research Notes</i> , 2015, 8, 307.	0.6	10
263	The sludge loading rate regulates the growth and release of heterotrophic bacteria resistant to six types of antibiotics in wastewater activated sludge. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 206-212.	1.7	13
264	<i>Pseudomonas aeruginosa</i> Biofilm Infections: Community Structure, Antimicrobial Tolerance and Immune Response. <i>Journal of Molecular Biology</i> , 2015, 427, 3628-3645.	2.0	200
265	Electrochemical Detection of Alginate Penetration in Immobilized Layer-by-Layer Films by Unnatural Amino Acid Containing Antimicrobial Peptides. <i>Electrochimica Acta</i> , 2015, 186, 245-252.	2.6	7
267	Bone Regeneration. , 2015, , 313-333.		19
268	Biofilm-based Healthcare-associated Infections. <i>Advances in Experimental Medicine and Biology</i> , 2015, , .	0.8	13
269	Antimicrobial micro/nanostructured functional polymer surfaces. , 2016, , 153-192.		3
270	Innate Immune Response in Implant-Associated Infections: Neutrophils against Biofilms. <i>Materials</i> , 2016, 9, 387.	1.3	15
271	Shaping the Growth Behaviour of Biofilms Initiated from Bacterial Aggregates. <i>PLoS ONE</i> , 2016, 11, e0149683.	1.1	83
272	Synthesis, characterization, and applications of nanobiomaterials for antimicrobial therapy. , 2016, , 103-152.		16
273	Evaluation of Biofilm Formation Among <i>Klebsiella pneumoniae</i> Isolates and Molecular Characterization by ERIC-PCR. <i>Jundishapur Journal of Microbiology</i> , 2016, 9, e30682.	0.2	71
274	Implantable Device-Related Infection. <i>Shock</i> , 2016, 46, 597-608.	1.0	207
275	Fabrication of a silver particle-integrated silicone polymer-covered metal stent against sludge and biofilm formation and stent-induced tissue inflammation. <i>Scientific Reports</i> , 2016, 6, 35446.	1.6	18
276	Design, synthesis and biological evaluation of diaziridinyl quinone isoxazole hybrids. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 85-98.	2.6	32
277	Incorporation of staphylococci into titanium-grown biofilms: an <i>in vitro</i> submucosal biofilm model for peri-implantitis. <i>Clinical Oral Implants Research</i> , 2016, 27, 890-895.	1.9	31



#	ARTICLE	IF	CITATIONS
278	Total synthesis and inÂvitro bioevaluation of clavaminols A, C, H & deacetyl clavaminol H as potential chemotherapeutic and antibiofilm agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 120, 86-96.	2.6	13
279	The effect of titanium implant surface modification on the dynamic process of initial microbial adhesion and biofilm formation. <i>International Journal of Adhesion and Adhesives</i> , 2016, 69, 125-132.	1.4	36
280	Microbial hitchhikers on marine plastic debris: Human exposure risks at bathing waters and beach environments. <i>Marine Environmental Research</i> , 2016, 118, 10-19.	1.1	259
281	Design, synthesis and inÂvitro biological evaluation of short-chain C12-sphinganine and its 1,2,3-triazole analogs as potential antimicrobial and anti-biofilm agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 118, 98-106.	2.6	23
282	8 Biomaterials in Tympanomastoid Surgery. , 2016, , .		0
283	Advance Polymers and Its Applications. , 2016, , 119-146.		0
284	Systems for Drug Delivery. , 2016, , .		3
285	Low-temperature-processed biocompatible Ag-HAp nanoparticles with anti-biofilm efficacy for tissue engineering applications. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 738-747.	1.1	4
286	Biofilm formation in total hip arthroplasty: prevention and treatment. <i>RSC Advances</i> , 2016, 6, 80244-80261.	1.7	6
287	An efficient one-pot synthesis of thiochromeno[3,4-d]pyrimidines derivatives: Inducing ROS dependent antibacterial and anti-biofilm activities. <i>Bioorganic Chemistry</i> , 2016, 68, 159-165.	2.0	18
288	Bio-inspired strategies for designing antifouling biomaterials. <i>Biomaterials Research</i> , 2016, 20, 18.	3.2	253
289	Copolymer films containing amphiphilic side chains of well-defined fluoroalkyl-segment length with biofouling-release potential. <i>RSC Advances</i> , 2016, 6, 67127-67135.	1.7	19
290	The Role of Chronic Mesh Infection in Delayed-Onset Vaginal Mesh Complications or Recurrent Urinary Tract Infections. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2016, 22, 166-171.	0.6	17
291	Wool Keratin 3D Scaffolds with Light-Triggered Antimicrobial Activity. <i>Biomacromolecules</i> , 2016, 17, 2882-2890.	2.6	21
292	Vascular Catheter-Related Bloodstream Infections. , 2016, , 389-405.		1
293	<i>Candida albicans</i> Pathogenesis: Fitting within the Host-Microbe Damage Response Framework. <i>Infection and Immunity</i> , 2016, 84, 2724-2739.	1.0	144
294	Effects of combined cryopreservation and decellularization on the biomechanical, structural and biochemical properties of porcine pulmonary heart valves. <i>Acta Biomaterialia</i> , 2016, 43, 71-77.	4.1	44
295	Silver-nanoparticles-modified biomaterial surface resistant to staphylococcus: new insight into the antimicrobial action of silver. <i>Scientific Reports</i> , 2016, 6, 32699.	1.6	90

#	ARTICLE	IF	CITATIONS
296	Modulation of the Substitution Pattern of 5-Aryl-2-Aminoimidazoles Allows Fine-Tuning of Their Antibiofilm Activity Spectrum and Toxicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6483-6497.	1.4	18
297	Antibacterial and Antibiofilm Activity of Cationic Small Molecules with Spatial Positioning of Hydrophobicity: An in Vitro and in Vivo Evaluation. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10750-10762.	2.9	92
298	Mechanisms of Bacterial Colonization of Implants and Host Response. <i>Advances in Experimental Medicine and Biology</i> , 2016, 971, 15-27.	0.8	11
299	Solution NMR structure of CsgE: Structural insights into a chaperone and regulator protein important for functional amyloid formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7130-7135.	3.3	22
300	An expeditious four-component domino protocol for the synthesis of novel thiazolo[3,2-a]thiochromeno[4,3-d]pyrimidine derivatives as antibacterial and antibiofilm agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3808-3817.	1.4	24
301	Polymicrobial Biofilm Inhibition Effects of Acetate-Buffered Chitosan Sponge Delivery Device. <i>Macromolecular Bioscience</i> , 2016, 16, 591-598.	2.1	16
302	Improving Antimicrobial Regimens for the Treatment of Breast Tissue Expander-Related Infections. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2016, 4, e704.	0.3	32
303	Mesh Infection and Hernia Repair: A Review. <i>Surgical Infections</i> , 2016, 17, 124-137.	0.7	70
304	Prospective Comparison of Blood Culture Bottles and Conventional Swabs for Microbial Identification of Suspected Periprosthetic Joint Infection. <i>Journal of Arthroplasty</i> , 2016, 31, 1779-1783.	1.5	32
305	Selective labelling and eradication of antibiotic-tolerant bacterial populations in <i>Pseudomonas aeruginosa</i> biofilms. <i>Nature Communications</i> , 2016, 7, 10750.	5.8	137
306	The Relationship of Bacterial Biofilms and Capsular Contracture in Breast Implants. <i>Aesthetic Surgery Journal</i> , 2016, 36, 297-309.	0.9	129
307	Pathogenesis of <i>Candida albicans</i> biofilm. <i>Pathogens and Disease</i> , 2016, 74, ftw018.	0.8	323
308	The radish defensins RsAFP1 and RsAFP2 act synergistically with caspofungin against <i>Candida albicans</i> biofilms. <i>Peptides</i> , 2016, 75, 71-79.	1.2	59
309	Novel strategies against <i>Candida</i> biofilms: interest of synthetic compounds. <i>Future Microbiology</i> , 2016, 11, 69-79.	1.0	13
310	Photoactivatable Nanostructured Surfaces for Biomedical Applications. <i>Topics in Current Chemistry</i> , 2016, 370, 135-168.	4.0	17
311	Synthesis of novel ethyl 1-ethyl-6-fluoro-7-(fatty amido)-1,4-dihydro-4-oxoquinoline-3-carboxylate derivatives and their biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 613-617.	1.0	22
312	Light-Responsive Nanostructured Systems for Applications in Nanomedicine. <i>Topics in Current Chemistry</i> , 2016, , .	4.0	9
313	Urinary catheter capable of repeated on-demand removal of infectious biofilms via active deformation. <i>Biomaterials</i> , 2016, 77, 77-86.	5.7	28

#	ARTICLE	IF	CITATIONS
314	Polysaccharide-based antibiofilm surfaces. <i>Acta Biomaterialia</i> , 2016, 30, 13-25.	4.1	167
315	Proteomics dedicated to biofilmology: What have we learned from a decade of research?. <i>Medical Microbiology and Immunology</i> , 2016, 205, 1-19.	2.6	17
316	Predominance of SCC mec types IV and V among biofilm producing device-associated <i>Staphylococcus aureus</i> strains isolated from tertiary care hospitals in Mysuru, India. <i>Enfermedades Infecciosas Y Microbiología Clínica</i> , 2017, 35, 229-235.	0.3	7
317	Design, synthesis and evaluation of novel pyrazolo-pyrimido[4,5- d ]pyrimidine derivatives as potent antibacterial and biofilm inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1451-1457.	1.0	29
318	Phosphatidylcholine Coatings Deliver Local Antimicrobials and Reduce Infection in a Murine Model: A Preliminary Study. <i>Clinical Orthopaedics and Related Research</i> , 2017, 475, 1847-1853.	0.7	14
319	Synthesis of novel pyrazolo[3,4- b ]quinolinyl acetamide analogs, their evaluation for antimicrobial and anticancer activities, validation by molecular modeling and CoMFA analysis. <i>European Journal of Medicinal Chemistry</i> , 2017, 130, 223-239.	2.6	33
320	The role of IL-1 gene polymorphisms ( IL1A , IL1B , and IL1RN ) as a risk factor in unsuccessful implants retaining overdentures. <i>Journal of Prosthodontic Research</i> , 2017, 61, 439-449.	1.1	8
321	Prevention of Biomaterial Infection by Pre-Operative Incubation with Human Cells. <i>Surgical Infections</i> , 2017, 18, 336-344.	0.7	4
322	Predominance of SCC mec types IV and V among biofilm producing device-associated <i>Staphylococcus aureus</i> strains isolated from tertiary care hospitals in Mysuru, India. <i>Enfermedades Infecciosas Y Microbiología Clínica (English Ed )</i> , 2017, 35, 229-235.	0.2	0
323	Dynamics of mono- and dual-species biofilm formation and interactions between <i>Staphylococcus aureus</i> and Gram-negative bacteria. <i>Microbial Biotechnology</i> , 2017, 10, 819-832.	2.0	66
324	Bacterial colonization of resin composite cements: influence of material composition and surface roughness. <i>European Journal of Oral Sciences</i> , 2017, 125, 294-302.	0.7	39
325	SaeRS Is Responsive to Cellular Respiratory Status and Regulates Fermentative Biofilm Formation in <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2017, 85, .	1.0	48
328	Antibiofilm efficacy of green synthesized graphene oxide-silver nanocomposite using <i>Lagerstroemia speciosa</i> floral extract: A comparative study on inhibition of gram-positive and gram-negative biofilms. <i>Microbial Pathogenesis</i> , 2017, 103, 167-177.	1.3	68
329	Disulfide Bond-Containing Ajoene Analogues As Novel Quorum Sensing Inhibitors of <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2017, 60, 215-227.	2.9	98
330	Ultrasound assisted, VOSO <sub>4</sub> catalyzed synthesis of 4-thiazolidinones: Antimicrobial evaluation of indazole-4-thiazolidinone derivatives. <i>Tetrahedron Letters</i> , 2017, 58, 4632-4637.	0.7	24
331	Medicinal plant products targeting quorum sensing for combating bacterial infections. <i>Asian Pacific Journal of Tropical Medicine</i> , 2017, 10, 729-743.	0.4	122
332	Controlled and Localized Nitric Oxide Precursor Delivery From Chitosan Gels to <i>Staphylococcus aureus</i> Biofilms. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3556-3563.	1.6	12
333	Suction drains in esthetic breast implant exchange are associated with surgical site infections: A retrospective cohort study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017, 70, 1635-1640.	0.5	16

#	ARTICLE	IF	CITATIONS
334	The influence of <i>Desulfovibrio desulfuricans</i> bacteria on a Ni-Ti alloy: electrochemical behavior and surface analysis. <i>Electrochimica Acta</i> , 2017, 249, 135-144.	2.6	11
335	Targeting Cardiovascular Implant Infection. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	22
336	Biofilm formation by the oral pioneer colonizer <i>Streptococcus gordonii</i> : an experimental and numerical study. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	31
337	Antibiotic-loaded bone graft for reduction of surgical site infection in spinal fusion. <i>Spine Journal</i> , 2017, 17, 1917-1925.	0.6	20
338	Nanomedicine and epigenome. Possible health risks. <i>Food and Chemical Toxicology</i> , 2017, 109, 780-796.	1.8	54
339	A retrospective analysis of the risk factors for surgical site infections and long-term follow-up after transpalpebral enucleation in horses. <i>BMC Veterinary Research</i> , 2017, 13, 155.	0.7	5
340	Preventing Breast Implant Contamination in Breast Reconstruction. <i>Annals of Plastic Surgery</i> , 2017, 78, 153-156.	0.5	38
341	Chitosan for the delivery of antibiotics. , 2017, , 147-173.		9
342	3D scaffold with effective multidrug sequential release against bacteria biofilm. <i>Acta Biomaterialia</i> , 2017, 49, 113-126.	4.1	65
343	Biofilm on bone repair devices. , 2017, , 141-158.		0
345	Fungal Strategies to Evade the Host Immune Recognition. <i>Journal of Fungi (Basel, Switzerland)</i> , 2017, 3, 51.	1.5	86
346	Early Healing Events after Periodontal Surgery: Observations on Soft Tissue Healing, Microcirculation, and Wound Fluid Cytokine Levels. <i>International Journal of Molecular Sciences</i> , 2017, 18, 283.	1.8	20
347	Sodium Mercaptoethane Sulfonate Reduces Collagenolytic Degradation and Synergistically Enhances Antimicrobial Durability in an Antibiotic-Loaded Biopolymer Film for Prevention of Surgical-Site Infections. <i>BioMed Research International</i> , 2017, 2017, 1-8.	0.9	3
348	4.20 Tethered Antibiotics $\hat{a}^{\dagger}$ . , 2017, , 360-380.		1
349	Oral microbiome and peri-implant diseases: where are we now?. <i>Therapeutics and Clinical Risk Management</i> , 2017, Volume 13, 1529-1542.	0.9	64
350	Baicalin inhibits biofilm formation, attenuates the quorum sensing-controlled virulence and enhances <i>Pseudomonas aeruginosa</i> clearance in a mouse peritoneal implant infection model. <i>PLoS ONE</i> , 2017, 12, e0176883.	1.1	214
351	Efficacy of Vancomycin-based Continuous Triple Antibiotic Irrigation in Immediate, Implant-based Breast Reconstruction. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2017, 5, e1624.	0.3	7
352	DRUG ELUTING STENTS COATED WITH RAPAMYCIN CRYSTALS FOR THE PREVENTION OF RESTENOSIS AND BIOFILM FORMATION. <i>International Journal of Research in Ayurveda and Pharmacy</i> , 2017, 8, 113-119.	0.0	1

#	ARTICLE	IF	CITATIONS
353	The effect of metronidazole releasing polymer coatings on in vitro biofilm formation. <i>BioNanoMaterials</i> , 2017, 18, .	1.4	1
354	Electrochemical detection of small molecule induced <i>Pseudomonas aeruginosa</i> biofilm dispersion. <i>Electrochimica Acta</i> , 2018, 268, 276-282.	2.6	13
355	Studies on synthesis of novel pyrido[2,3-d]pyrimidine derivatives, evaluation of their antimicrobial activity and molecular docking. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1670-1675.	1.0	34
356	Use of Pulsed Radiofrequency Energy Device (PEAK Plasmablade) in Neuromodulation Implant Revisions. <i>World Neurosurgery</i> , 2018, 112, 31-36.	0.7	8
357	Plasma Activation of a Breast Implant Shell in Conjunction With Antibacterial Irrigants Enhances Antibacterial Activity. <i>Aesthetic Surgery Journal</i> , 2018, 38, 1188-1196.	0.9	18
358	Influence of Type I Fimbriae and Fluid Shear Stress on Bacterial Behavior and Multicellular Architecture of Early <i>Escherichia coli</i> Biofilms at Single-Cell Resolution. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	25
359	Microbial Evaluation in Capsular Contracture of Breast Implants. <i>Plastic and Reconstructive Surgery</i> , 2018, 141, 23-30.	0.7	63
360	Epidemiology of Prosthetic Joint Infection. , 2018, , 5-53.		2
361	Immotile Active Matter: Activity from Death and Reproduction. <i>Physical Review Letters</i> , 2018, 120, 018101.	2.9	14
362	Towards Biofilm Spectroscopy – A Novel Microfluidic Approach for Characterizing Biofilm Subpopulation by Microwave-Based Electrical Impedance Spectroscopy. <i>Frequenz</i> , 2018, 72, 123-134.	0.6	0
363	Biofilm growth and control in cooling water industrial systems. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	35
364	Metal nanoparticles in dermatology and cosmetology: Interactions with human skin cells. <i>Chemico-Biological Interactions</i> , 2018, 295, 38-51.	1.7	126
365	Superiority of the sonication method against conventional periprosthetic tissue cultures for diagnosis of prosthetic joint infections. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2018, 28, 51-57.	0.6	28
366	Tissue–electronics interfaces: from implantable devices to engineered tissues. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	372
367	Prosthetic Joint Infections. , 2018, , .		0
368	Treatment of pathologic peri-implant pockets. <i>Periodontology 2000</i> , 2018, 76, 180-190.	6.3	111
369	Phage preparation FBL1 prevents <i>Bacillus licheniformis</i> biofilm, bacterium responsible for the mortality of the Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Aquaculture</i> , 2018, 484, 160-167.	1.7	13
370	Influence of carbon nanotubes structures embedded in UHMWPE on bacterial adherence. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 934-941.	1.8	4

#	ARTICLE	IF	CITATIONS
371	Variations in the Organisms Causing Deep Surgical Site Infections in Fracture Patients at a Level I Trauma Center (2006–2015). <i>Journal of Orthopaedic Trauma</i> , 2018, 32, e475-e481.	0.7	22
373	Penile prosthesis biofilm formation and emerging therapies against them. <i>Translational Andrology and Urology</i> , 2018, 7, 960-967.	0.6	14
374	Prosthetic Joint Infection: A Major Threat to Successful Total Joint Arthroplasty. <i>Indian Journal of Medical Microbiology</i> , 2018, 36, 475-487.	0.3	10
375	Nanomedicine for anticancer and antimicrobial treatment: an overview. <i>IET Nanobiotechnology</i> , 2018, 12, 1009-1017.	1.9	10
376	New approaches to the implant titanium surface cleaning. <i>Journal of Japanese Society of Periodontology</i> , 2018, 60, 4-12.	0.1	0
377	Precision Medicine: The Role of the MSIDS Model in Defining, Diagnosing, and Treating Chronic Lyme Disease/Post Treatment Lyme Disease Syndrome and Other Chronic Illness: Part 2. <i>Healthcare (Switzerland)</i> , 2018, 6, 129.	1.0	19
378	The Role of Zwitterionic Materials in the Fight against Proteins and Bacteria. <i>Medicines (Basel)</i> , 2018, 7, 10.	0.7	24
379	7 Implants and Biomaterials. , 2018, , .		0
380	Studies on Silver Ions Releasing Processes and Mechanical Properties of Surface-Modified Titanium Alloy Implants. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3962.	1.8	20
381	Action of Antimicrobial Peptides against Bacterial Biofilms. <i>Materials</i> , 2018, 11, 2468.	1.3	186
382	2018 WSES/SIS-E consensus conference: recommendations for the management of skin and soft-tissue infections. <i>World Journal of Emergency Surgery</i> , 2018, 13, 58.	2.1	154
383	Quantum Dots-Based Nano-Coatings for Inhibition of Microbial Biofilms: A Mini Review. , 0, , .		3
384	Antibacterial Surface Coating for Bone Scaffolds Based on the Dark Catalytic Effect of Titanium Dioxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35784-35793.	4.0	15
385	Development and biological evaluation of Ti6Al7Nb scaffold implants coated with gentamycin-saturated bacterial cellulose biomaterial. <i>PLoS ONE</i> , 2018, 13, e0205205.	1.1	28
386	Malnutrition and Fracture Healing: Are Specific Deficiencies in Amino Acids Important in Nonunion Development?. <i>Nutrients</i> , 2018, 10, 1597.	1.7	24
387	Selective Laser Melting of Integrated Ti6Al4V ELI Permeable Walls for Controlled Drug Delivery of Vancomycin. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4412-4424.	2.6	11
388	A Multiscale Agent-Based Model for the Investigation of E. coli K12 Metabolic Response During Biofilm Formation. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 2917-2956.	0.9	6
389	Generation and characterisation of gallium titanate surfaces through hydrothermal ion-exchange processes. <i>Materials and Design</i> , 2018, 155, 264-277.	3.3	20

#	ARTICLE	IF	CITATIONS
390	Daptomycin-loaded biodegradable thermosensitive hydrogels enhance drug stability and foster bactericidal activity against <i>Staphylococcus aureus</i> . <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 260-271.	2.0	34
391	The relationship between substrate morphology and biological performances of nano-silver-loaded dopamine coatings on titanium surfaces. <i>Royal Society Open Science</i> , 2018, 5, 172310.	1.1	14
392	Vision for medicine: <i>Staphylococcus aureus</i> biofilm war and unlocking key's for anti-biofilm drug development. <i>Microbial Pathogenesis</i> , 2018, 123, 339-347.	1.3	69
393	Anti-Infection Technologies for Orthopedic Implants: Materials and Considerations for Commercial Development. , 2018, , 219-242.		0
394	Antibacterial surface modification of titanium implants in orthopaedics. <i>Journal of Tissue Engineering</i> , 2018, 9, 204173141878983.	2.3	98
395	Cell death as a trigger for morphogenesis. <i>PLoS ONE</i> , 2018, 13, e0191089.	1.1	10
396	Fibre laser treatment of martensitic NiTi alloys for load-bearing implant applications: Effects of surface chemistry on inhibiting <i>Staphylococcus aureus</i> biofilm formation. <i>Surface and Coatings Technology</i> , 2018, 349, 488-502.	2.2	11
397	Bioinspired surface modification of orthopedic implants for bone tissue engineering. <i>Biomaterials</i> , 2019, 219, 119366.	5.7	204
398	Thermosensitive hybrid hydrogels for the controlled release of bioactive vancomycin in the treatment of orthopaedic implant infections. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 322-333.	2.0	19
399	A functionalized TiO <sub>2</sub> /Mg <sub>2</sub> TiO <sub>4</sub> nano-layer on biodegradable magnesium implant enables superior bone-implant integration and bacterial disinfection. <i>Biomaterials</i> , 2019, 219, 119372.	5.7	84
400	Efficacy of antimicrobial photodynamic therapy for elimination of <i>Aggregatibacter actinomycetemcomitans</i> biofilm on Laser-Lok titanium discs. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 462-466.	1.3	13
401	Synthesis and biological evaluation of hybrid quinolone-based quaternary ammonium antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 576-590.	2.6	53
402	Antibacterial Properties of a Novel Zirconium Phosphate-Glycinediphosphonate Loaded with Either Zinc or Silver. <i>Materials</i> , 2019, 12, 3184.	1.3	9
403	Interaction of Giant Unilamellar Vesicles with the Surface Nanostructures on Dragonfly Wings. <i>Langmuir</i> , 2019, 35, 2422-2430.	1.6	18
404	Metallic nanoparticles as a potential antimicrobial for catheters and prostheses. , 2019, , 153-196.		3
405	Impact of fundoplication for gastroesophageal reflux in the outcome of benign tracheal stenosis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 1698-1706.	0.4	17
406	Antibacterial Effect of Carbosilane Metallodendrimers in Planktonic Cells of Gram-Positive and Gram-Negative Bacteria and <i>Staphylococcus aureus</i> Biofilm. <i>Biomolecules</i> , 2019, 9, 405.	1.8	19
407	How Functionalized Surfaces Can Inhibit Bacterial Adhesion and Viability. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4920-4936.	2.6	48

#	ARTICLE	IF	CITATIONS
408	High Bactericidal Self-Assembled Nano-Monolayer of Silver Sulfadiazine on Hydroxylated Material Surfaces. <i>Materials</i> , 2019, 12, 2761.	1.3	12
409	Antibacterial drug release from a biphasic gel system: Mathematical modelling. <i>International Journal of Pharmaceutics</i> , 2019, 559, 373-381.	2.6	7
410	Utilization of antimicrobial peptides, analogues and mimics in creating antimicrobial surfaces and bio-materials. <i>Biochemical Engineering Journal</i> , 2019, 150, 107237.	1.8	19
411	The never-ending story of CIED infection prevention: Shall we WRAP it and go?. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1191-1196.	0.8	6
412	Microfluidic Shear Assay to Distinguish between Bacterial Adhesion and Attachment Strength on Stiffness-Tunable Silicone Substrates. <i>Langmuir</i> , 2019, 35, 8840-8849.	1.6	25
413	Engineering the Interface: Nanodiamond Coating on 3D-Printed Titanium Promotes Mammalian Cell Growth and Inhibits <i>Staphylococcus aureus</i> Colonization. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24588-24597.	4.0	60
414	Recent NMR/MRI studies of biofilm structures and dynamics. <i>Annual Reports on NMR Spectroscopy</i> , 2019, 97, 163-213.	0.7	9
415	Antibiotics versus biofilm: an emerging battleground in microbial communities. <i>Antimicrobial Resistance and Infection Control</i> , 2019, 8, 76.	1.5	856
416	The Effect of Dairy Probiotic Beverages on Oral Health. , 2019, , 521-556.		2
417	Phenazine-1-carboxamide functionalized mesoporous silica nanoparticles as antimicrobial coatings on silicone urethral catheters. <i>Scientific Reports</i> , 2019, 9, 6198.	1.6	35
419	Measuring the Metabolic Activity of Mature Mycobacterial Biofilms Using Isothermal Microcalorimetry. <i>Methods in Molecular Biology</i> , 2019, 1964, 141-149.	0.4	0
420	Lysozyme sorption by pure-silica zeolite MFI films. <i>Materials Today Communications</i> , 2019, 19, 352-359.	0.9	7
421	Body mass index impacts infection rates in immediate autogenous breast reconstruction. <i>Breast Cancer Research and Treatment</i> , 2019, 175, 765-773.	1.1	2
422	Biofilm formation by staphylococci in health-related environments and recent reports on their control using natural compounds. <i>Critical Reviews in Microbiology</i> , 2019, 45, 201-222.	2.7	47
423	Chitosan functionalization of titanium and Ti6Al4V alloy with chloroacetic acid as linker agent. <i>Materials Science and Engineering C</i> , 2019, 99, 1133-1140.	3.8	23
424	The Biocompatibility Challenges in the Total Artificial Heart Evolution. <i>Annual Review of Biomedical Engineering</i> , 2019, 21, 85-110.	5.7	17
425	Surgical Site Infection and the Use of Antimicrobials. , 2019, , 77-103.		10
426	Safety and efficacy of a metal stent covered with a silicone membrane containing integrated silver particles in preventing biofilm and sludge formation in endoscopic drainage of malignant biliary obstruction: a phase 2 pilot study. <i>Gastrointestinal Endoscopy</i> , 2019, 90, 663-672.e2.	0.5	13



#	ARTICLE	IF	CITATIONS
427	Skin and soft tissue infections after breast surgery. <i>Current Opinion in Infectious Diseases</i> , 2019, 32, 87-94.	1.3	4
428	Sonication of retrieved implants improves sensitivity in the diagnosis of periprosthetic joint infection. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 623.	0.8	22
429	Anti-Biofilm Effects of Synthetic Antimicrobial Peptides Against Drug-Resistant <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Planktonic Cells and Biofilm. <i>Molecules</i> , 2019, 24, 4560.	1.7	29
430	Cosmetic reconstruction in breast cancer patients: Opportunities for nanocomposite materials. <i>Acta Biomaterialia</i> , 2019, 86, 41-65.	4.1	14
431	Bacteriophage potential against <i>Vibrio parahaemolyticus</i> biofilms. <i>Food Control</i> , 2019, 98, 156-163.	2.8	34
432	Is short term intraoperative application of disinfectants harmful to breast implants in breast reconstruction? An experimental study and literature survey. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 90, 264-268.	1.5	3
433	General Assembly, Diagnosis, Pathogen Isolation: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S207-S214.	1.5	8
434	The effect of a decontamination protocol on contaminated titanium dental implant surfaces with different surface topography in edentulous patients. <i>Acta Odontologica Scandinavica</i> , 2019, 77, 66-75.	0.9	6
435	Materials evolution of bone plates for internal fixation of bone fractures: A review. <i>Journal of Materials Science and Technology</i> , 2020, 36, 190-208.	5.6	133
436	Minimally invasive salvage of infected breast tissue expanders: A continuous closed irrigation technique based on surface biofilm disruption. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020, 73, 295-302.	0.5	4
437	Antimicrobial Electrodeposited Silver-Containing Calcium Phosphate Coatings. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 5531-5541.	4.0	67
438	Strontium-releasing mesoporous bioactive glasses with anti-adhesive zwitterionic surface as advanced biomaterials for bone tissue regeneration. <i>Journal of Colloid and Interface Science</i> , 2020, 563, 92-103.	5.0	22
439	Bayesian inversion for a biofilm model including quorum sensing. <i>Computers in Biology and Medicine</i> , 2020, 117, 103582.	3.9	7
440	IgY Targeting Bacterial Quorum-Sensing Molecules in Implant-Associated Infections. <i>Molecules</i> , 2020, 25, 4027.	1.7	7
441	The evolution from the two stage to the one stage procedure for biofilm based periprosthetic joint infections (PJI). <i>Biofilm</i> , 2020, 2, 100033.	1.5	11
442	Making medical devices safer: impact of plastic and silicone oil on microbial biofilm formation. <i>Journal of Hospital Infection</i> , 2020, 106, 155-162.	1.4	17
443	Coatings on metallic implants for biomedical applications. , 2020, , 359-385.		2
444	Investigation on the effect of vitamin C on growth & biofilm-forming potential of <i>Streptococcus mutans</i> isolated from patients with dental caries. <i>BMC Microbiology</i> , 2020, 20, 231.	1.3	15

#	ARTICLE	IF	CITATIONS
445	Unconventional Device and Material Approaches for Monolithic Biointegration of Implantable Sensors and Wearable Electronics. <i>Advanced Materials Technologies</i> , 2020, 5, .	3.0	37
446	Superbugs, silver bullets, and new battlefields. , 2020, , 81-106.		1
447	Intravital Multiphoton Examination of Implant-Associated <i>Staphylococcus aureus</i> Biofilm Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 574092.	1.8	9
448	Efficacy of Double-Dose 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 Retrospective Chart Review. <i>Antibiotics</i> , 2020, 9, 725.	1.5	7
449	The role of the <i>msaABC</i> R operon in implant-associated chronic osteomyelitis in <i>Staphylococcus aureus</i> USA300 LAC. <i>BMC Microbiology</i> , 2020, 20, 324.	1.3	9
450	Susceptibility to biofilm formation on 3D-printed titanium fixation plates used in the mandible: a preliminary study. <i>Journal of Oral Microbiology</i> , 2020, 12, 1838164.	1.2	21
451	Electrospun Scaffolds Containing Silver-Doped Hydroxyapatite with Antimicrobial Properties for Applications in Orthopedic and Dental Bone Surgery. <i>Journal of Functional Biomaterials</i> , 2020, 11, 58.	1.8	24
452	The Role of Bacterial Biofilm in Antibiotic Resistance and Food Contamination. <i>International Journal of Microbiology</i> , 2020, 2020, 1-10.	0.9	154
453	Effects of the local administration of antibiotics on bone formation on implant surface in animal models: A systematic review and meta-analysis. <i>Japanese Dental Science Review</i> , 2020, 56, 177-183.	2.0	7
454	Charge-Mediated Co-assembly of Amphiphilic Peptide and Antibiotics Into Supramolecular Hydrogel With Antibacterial Activity. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 629452.	2.0	14
455	Integrating CAD and 3D-Printing Techniques to Construct an In Vitro Laser Standard Treatment Platform for Evaluating the Effectiveness of Sterilization by Er:YAG Laser in Peri-Implant Intra-Bony Defects. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3431.	1.3	0
456	Bone Tissue Disorders: Healing Through Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2020, 26, 15416-15437.	1.7	5
457	Efficacy of dalbavancin against MRSA biofilms in a rat model of orthopaedic implant-associated infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2182-2187.	1.3	16
458	Biocompatible implant mimicking cartilage: A new horizon for reconstructive facial field. <i>Artificial Organs</i> , 2020, 44, E494-E508.	1.0	0
459	The effect of electron beam sterilization on the physical properties of the bioresorbable polymer coatings on the titanium 6â€aluminum 4â€vanadium substrate. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2020, 51, 631-644.	0.5	2
460	Analysis of three-dimensional biofilms on different material surfaces. <i>Biomaterials Science</i> , 2020, 8, 3500-3510.	2.6	9
461	Impact of gastroesophageal reflux in the pathogenesis of tracheal stenosis. <i>Translational Cancer Research</i> , 2020, 9, 2123-2135.	0.4	6
462	Effect of cAMP Receptor Protein Gene on Growth Characteristics and Stress Resistance of <i>Haemophilus parasuis</i> Serovar 5. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 19.	1.8	10

#	ARTICLE	IF	CITATIONS
463	Phyto-Mediated Synthesis of Porous Titanium Dioxide Nanoparticles From <i>Withania somnifera</i> Root Extract: Broad-Spectrum Attenuation of Biofilm and Cytotoxic Properties Against HepG2 Cell Lines. <i>Frontiers in Microbiology</i> , 2020, 11, 1680.	1.5	51
464	A novel micellar formulation based on natural plant extracts enhances the efficacy of hydrogen peroxide against biofilms of <i>Staphylococcus</i> spp. and <i>Pseudomonas aeruginosa</i> . <i>Biofouling</i> , 2020, 36, 576-586.	0.8	4
465	Nuclear magnetic resonance to study bacterial biofilms structure, formation, and resilience. , 2020, , 23-70.		1
466	Conducting Polymer-Based Composite Materials for Therapeutic Implantations: From Advanced Drug Delivery System to Minimally Invasive Electronics. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-16.	1.2	14
467	Oral Candidiasis: A Disease of Opportunity. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 15.	1.5	200
468	Thymol Inhibits Biofilm Formation, Eliminates Pre-Existing Biofilms, and Enhances Clearance of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) in a Mouse Peritoneal Implant Infection Model. <i>Microorganisms</i> , 2020, 8, 99.	1.6	25
469	Controlling biofilms using synthetic biology approaches. <i>Biotechnology Advances</i> , 2020, 40, 107518.	6.0	31
470	Acidic electrolyzed water more effectively breaks down mature <i>Vibrio parahaemolyticus</i> biofilm than DNase I. <i>Food Control</i> , 2020, 117, 107312.	2.8	26
471	Modeling of Allee effect in biofilm formation via the stochastic bistable Allen-Cahn partial differential equation. <i>Stochastic Analysis and Applications</i> , 2021, 39, 22-32.	0.9	12
472	Drainage on augmentation mammoplasty: Does it work?. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021, 74, 1093-1100.	0.5	4
473	Indications and postoperative outcomes of surgery for laryngotracheal stenosis: A descriptive study. <i>Auris Nasus Larynx</i> , 2021, 48, 110-115.	0.5	4
474	Antibacterial effect of a copper-containing titanium alloy against implant-associated infection induced by methicillin-resistant <i>Staphylococcus aureus</i> . <i>Acta Biomaterialia</i> , 2021, 119, 472-484.	4.1	54
475	Progress towards 3D-printing diamond for medical implants: A review. <i>Annals of 3D Printed Medicine</i> , 2021, 1, 100002.	1.6	10
476	Highly hydrophobic polytetrafluoroethylene particle immobilization via polydopamine anchor layer on nitric oxide releasing polymer for biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 716-728.	5.0	13
477	Visualization and characterization of <i>Enterococcus faecalis</i> biofilm structure in bovine dentin using 2D and 3D microscopic techniques. <i>Archives of Microbiology</i> , 2021, 203, 269-277.	1.0	0
478	Biofilm and Antimicrobial Resistance. , 2021, , 183-208.		6
479	Polymeric approach to combat drug-resistant methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Materials Science</i> , 2021, 56, 7265-7285.	1.7	14
480	New developments in anti-biofilm intervention towards effective management of orthopedic device related infections (ODRI <sup>™</sup> s). <i>Biofouling</i> , 2021, 37, 1-35.	0.8	7

#	ARTICLE	IF	CITATIONS
481	Measuring Metabolism and Bioenergetic Profiles of Biofilm: Isothermal Calorimetry, Differential Scanning Calorimetry, and Future of Chip Calorimetry. Springer Protocols, 2021, , 155-180.	0.1	0
482	Current Status and Emerging Trend of Nanoshuttle in Biological Applications. Current Pharmaceutical Design, 2021, 27, 105-114.	0.9	1
483	In-silico driven design and development of spirobenzimidazo-quinazolines as potential DNA gyrase inhibitors. Biomedicine and Pharmacotherapy, 2021, 134, 111132.	2.5	9
484	An antibacterial coated polymer prevents biofilm formation and implant-associated infection. Scientific Reports, 2021, 11, 3602.	1.6	47
485	Prevalence, antimicrobial resistance, and biofilm formation of Klebsiella pneumoniae isolated from human and cows. Zagazig Veterinary Journal, 2021, 49, 27-41.	0.1	0
486	Staphylococcus aureus and S. epidermidis in biological systems of hospital environment: Antibiotic resistance patterns in regions of Ukraine. Regulatory Mechanisms in Biosystems, 2021, 12, 160-168.	0.5	0
487	Two Novel Bacteriophages Control Multidrug- and Methicillin-Resistant Staphylococcus pseudintermedius Biofilm. Frontiers in Medicine, 2021, 8, 524059.	1.2	15
488	Understanding Breast Implant Illness: Etiology is the Key. Aesthetic Surgery Journal, 2022, 42, 370-377.	0.9	14
489	Corrosion and antibacterial performance of novel selective-laser-melted (SLMed) Ti-xCu biomedical alloys. Journal of Alloys and Compounds, 2021, 864, 158415.	2.8	29
490	Sustainable Antibacterial Surgical Suture Using a Facile Scalable Silk-Fibroin-Based Berberine Loading System. ACS Biomaterials Science and Engineering, 2021, 7, 2845-2857.	2.6	15
491	Biofilm application in the microbial biochemicals production process. Biotechnology Advances, 2021, 48, 107724.	6.0	31
492	Antibiotics or No Antibiotics, That Is the Question: An Update on Efficient and Effective Use of Antibiotics in Dental Practice. Antibiotics, 2021, 10, 550.	1.5	27
493	Sonication in the diagnosis of fracture-related infections (FRI)â€”a retrospective study on 230 retrieved implants. Journal of Orthopaedic Surgery and Research, 2021, 16, 310.	0.9	4
494	Toward Bactericidal Enhancement of Additively Manufactured Titanium Implants. Coatings, 2021, 11, 668.	1.2	4
495	Investigation of biofilm formation in methicillin-resistant Staphylococcus aureus associated with bacteraemia in a tertiary hospital. Folia Microbiologica, 2021, 66, 741-749.	1.1	1
496	Influence of Contact Lens Materials and Cleaning Procedures on Bacterial Adhesion and Biofilm Formation. Clinical Ophthalmology, 2021, Volume 15, 2391-2402.	0.9	6
497	Bactericidal surfaces: An emerging 21st-century ultra-precision manufacturing and materials puzzle. Applied Physics Reviews, 2021, 8, .	5.5	23
499	From Bulk to Nanoparticles: An Overview of Antiviral Materials, Its Mechanisms, and Applications. Particle and Particle Systems Characterization, 2021, 38, 2100044.	1.2	6

#	ARTICLE	IF	CITATIONS
500	Biofilm Management in Wound Care. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 275e-288e.	0.7	31
501	Lubricin-Inspired Loop Zwitterionic Peptide for Fabrication of Superior Antifouling Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41978-41986.	4.0	15
502	Polyurethanes from Hydrophobic Elastic Materials to Hydrogels with Potent Nonleaching Biocidal and Antibiofilm Activity. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4695-4707.	2.0	9
503	A Possible Relationship between Peri-Implantitis, Titanium Hypersensitivity, and External Tooth Resorption: Metal-Free Alternative to Titanium Implants. <i>Case Reports in Dentistry</i> , 2021, 2021, 1-8.	0.2	3
504	Mycobacterium Biofilms Synthesis, Ultrastructure, and Their Perspectives in Drug Tolerance, Environment, and Medicine. , 2021, , 465-478.		0
505	Regenerative Approaches in Oral Medicine. , 2021, , 197-264.		0
506	Key Properties of a Bioactive Ag-SiO <sub>2</sub> /TiO <sub>2</sub> Coating on NiTi Shape Memory Alloy as Necessary at the Development of a New Class of Biomedical Materials. <i>International Journal of Molecular Sciences</i> , 2021, 22, 507.	1.8	10
508	Vascular Catheter-Related Bloodstream Infections. , 2010, , 311-324.		2
509	Microbiological Diagnosis of Prosthetic Joint Infection. , 2012, , 165-179.		2
510	Biomaterial-Associated Infection: A Perspective from the Clinic. , 2013, , 3-24.		15
511	Antibiofilm Strategies in Orthopedics: Where Are We?. , 2015, , 269-286.		2
512	Lipid- and Polymer-Based Drug Delivery Carriers for Eradicating Microbial Biofilms Causing Medical Device-Related Infections. <i>Advances in Experimental Medicine and Biology</i> , 2015, 831, 147-189.	0.8	4
513	Biofilm-Based Implant Infections in Orthopaedics. <i>Advances in Experimental Medicine and Biology</i> , 2015, 830, 29-46.	0.8	134
514	Biofilms and Implication in Medical Devices in Humans and Animals. <i>Springer Series on Biofilms</i> , 2011, , 191-203.	0.0	4
515	The Use of Scanning Electron Microscopy (SEM) in Visualizing the Root Canal Biofilm. <i>Springer Series on Biofilms</i> , 2015, , 87-101.	0.0	2
516	Synthesis of conjugated PIA- $\alpha$ -SesC and immunological evaluation against biofilm-forming <i>Staphylococcus epidermidis</i> . <i>Journal of Medical Microbiology</i> , 2019, 68, 791-802.	0.7	13
517	Principia $\mathcal{A}$ tiologica: taking causality beyond Koch's postulates. <i>Journal of Medical Microbiology</i> , 2007, 56, 1419-1422.	0.7	71
518	High-dose daptomycin monotherapy cures <i>Staphylococcus epidermidis</i> 'endotipisitis' after failure of conventional therapy. <i>BMJ Case Reports</i> , 2013, 2013, bcr2013009529-bcr2013009529.	0.2	4

#	ARTICLE	IF	CITATIONS
519	Antimicrobial Coating of Devices for Prevention of Infection: Principles and Protection. International Journal of Artificial Organs, 2007, 30, 820-827.	0.7	34
520	Should single- or two-stage revision surgery be used for the management of an infected total knee replacement? A critical review of the literature. OA Orthopaedics, 2013, 1, .	0.1	6
521	First Evidence of Sternal Wound Biofilm following Cardiac Surgery. PLoS ONE, 2013, 8, e70360.	1.1	37
522	Development of a flow chamber system for the reproducible in vitro analysis of biofilm formation on implant materials. PLoS ONE, 2017, 12, e0172095.	1.1	28
523	Preventing bacterial adhesion on scaffolds for bone tissue engineering. International Journal of Bioprinting, 2016, 2, .	1.7	16
524	Evaluation of Madurahydroxylactone as a Slow Release Antibacterial Implant Coating. Open Biomedical Engineering Journal, 2010, 4, 263-270.	0.7	6
525	Osteocompatibility of Biofilm Inhibitors. The Open Orthopaedics Journal, 2014, 8, 442-449.	0.1	9
526	Advancements in Diagnosing Periprosthetic Joint Infections after Total Hip and Knee Arthroplasty. The Open Orthopaedics Journal, 2016, 10, 654-661.	0.1	56
527	A Review of Current Regenerative Medicine Strategies that Utilize Nanotechnology to Treat Cartilage Damage. The Open Orthopaedics Journal, 2016, 10, 862-876.	0.1	14
528	Biofilm formation by staphylococci on fresh, fresh-frozen and processed human and bovine bone grafts. , 2013, 25, 159-166.		16
529	Influence of physico-chemical material characteristics on staphylococcal biofilm formation – A qualitative and quantitative in vitro analysis of five different calcium phosphate bone grafts. , 2014, 28, 39-50.		8
530	In vitro study of Biofilm Growth on Biologic Prosthetics. Polish Journal of Microbiology, 2014, 63, 409-414.	0.6	5
531	Comparative study among clinical and commensal isolates of Enterococcus faecalis for presence of esp gene and biofilm production. Journal of Infection in Developing Countries, 2011, 5, 365-369.	0.5	21
532	Thigh Pain After Total Hip Replacement: A Pathophysiological Review and a Comprehensive Classification. Orthopedics, 2008, 31, 691-699.	0.5	15
533	Human Beta-Defensin-3 for the Diagnosis of Periprosthetic Joint Infection and Loosening. Orthopedics, 2014, 37, e384-90.	0.5	9
534	Biofilm and dental implant: The microbial link. Journal of Indian Society of Periodontology, 2013, 17, 5.	0.3	88
535	Oral biofilm and dental implants: A brief. National Journal of Maxillofacial Surgery, 2011, 2, 228.	0.1	9
536	Recent advancements in magnesium implants for orthopedic application and associated infections. Clinical Trials in Orthopedic Disorders, 2016, 1, 138.	0.2	3

#	ARTICLE	IF	CITATIONS
537	A Comparison of Bacterial Adhesion and Biofilm Formation on Commonly Used Orthopaedic Metal Implant Materials: An In vitro Study. Indian Journal of Orthopaedics, 2019, 53, 148-153.	0.5	39
538	An &lt;i>in vitro&/i> study of antimicrobial agents incorporated into interim restorative materials. Open Journal of Stomatology, 2013, 03, 94-98.	0.1	1
539	Host Defence against Bacterial Biofilms: â€œMission Impossibleâ€?. ISRN Immunology, 2012, 2012, 1-17.	0.7	31
540	Impaired respiration elicits SrrAB-dependent programmed cell lysis and biofilm formation in Staphylococcus aureus. ELife, 2017, 6, .	2.8	107
541	Can EDTA Change MRSA into MSSA? A Future Prospective!. Journal of Clinical and Diagnostic Research JCDR, 2016, 10, DC22-5.	0.8	4
542	CoO Thin Nanosheets Exhibit Higher Antimicrobial Activity Against Tested Gram-positive Bacteria Than Gram-negative Bacteria. Korean Chemical Engineering Research, 2015, 53, 565-569.	0.2	8
543	Copper(II) species with 1â€(i>o</i>)biguanide: Structural characterization, ROS scavenging, antibacterial activity, biocompatibility and in silico studies. Applied Organometallic Chemistry, 2022, 36, e6471.	1.7	5
544	Molecular Identification of Pathogenic Free-Living Amoeba from Household Biofilm Samples in Iran: A Risk Factor for Acanthamoeba Keratitis. Microorganisms, 2021, 9, 2098.	1.6	8
545	Dermal fillers and biofilms: implications for aesthetic clinicians. Journal of Aesthetic Nursing, 2021, 10, 346-349.	0.0	1
546	Debridement of Infected Orthopedic Prostheses. , 2007, , 131-140.		0
547	In Vitro Formation of Biofilms on Lopez Enteral Feeding Valves: Implications for Critical Care Patients and Nurses. Critical Care Nurse, 2008, 28, 37-41.	0.5	0
548	Biofilms and device implants. , 2009, , 59-79.		0
549	AvaliaÃ§Ã£o experimental da atividade antibiofilme do digluconato de clorexidina em bases detergentes. Estudos De Biologia, 2009, 31, .	0.1	0
550	Bone Grafts and Bone Graft Substitutes in Infected Arthroplasty. , 2012, , 291-296.		0
551	Debridement of infected orthopedic prostheses. , 2012, , 100-110.		0
552	Surface Treated Catheters for Vascular Accessâ€”Useful?. Open Journal of Nephrology, 2013, 03, 152-160.	0.0	0
553	Multiorganism Biofilms: A New Challenge for Ecto- and Endoprostheses. Anaplastology, 2013, 02, .	0.1	0
554	Bone-Implant Interface in Biofilm-Associated Bone and Joint Infections. , 2014, , 239-253.		1

#	ARTICLE	IF	CITATIONS
555	Effect of Ethanol Extract of Venenum Bufonis on Biofilm Formation of <i>Staphylococcus aureus</i>. Chinese Medicine, 2014, 05, 218-222.	1.0	0
556	Transmission and Scanning Electron Microscopy of Contacts between Bacterial and Yeast Cells in Biofilms on Different Surfaces. Open Access Library Journal (oalib), 2015, 02, 1-8.	0.1	4
558	A Study Regarding Bacterial Contamination of Surfaces in Dental Offices. Korean Journal of Clinical Laboratory Science, 2015, 47, 279-285.	0.1	3
559	The Surgical Nightmare: Dealing with Infected Mesh. , 2017, , 207-212.		0
560	INTRAVENOUS LINE COLONIZATION IN PATIENTS RECEIVING CYTOTOXIC DRUGS. Journal of Sulaimani Medical College, 2017, 7, 73-84.	0.0	0
561	Total Endoprosthesis of Hip Joint: Characteristics and Application in Patients in the Central Region of Serbia. , 2018, , 781-830.		0
562	GENERAL CHARACTERISTICS AND ISSUES MIXED INFECTIONS CAUSED BY OPPORTUNISTIC MICROORGANISMS. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2017, , 114-126.	0.3	0
563	Evaluation of In Vitro Biofilm Formation on Titanium Nitride Specimens. Biomaterials and Medical Applications, 2018, 01, .	0.0	1
564	Biofilms and Wound Infection Research in theÂUS Military. , 2019, , 55-69.		0
565	Bacteriophages as Biocontrol Agents of Biofilm Infections Associated with Abiotic Prosthetic Devices. , 2019, , 81-99.		0
566	New Antibiotic Substances of the Streptomyces albus Enzybiotic Complex. MikrobiolohichnyÄ-Zhurnal, 2019, 81, 62-72.	0.2	1
567	Microbial biofilms in the human: Diversity and potential significances in health and disease. , 2020, , 89-124.		1
568	Antimicrobial Resistance and Biofilm Formation of Pseudomonas aeruginosa. The International Arabic Journal of Antimicrobial Agents, 2020, 10, .	0.3	1
569	Improve Integration of In Vitro Biofilm Body of Knowledge to Support Clinical Breakthroughs in Surgical Site Infection. Journal of the American Academy of Orthopaedic Surgeons Global Research and Reviews, 2021, 5, .	0.4	1
570	Survival in food environment: Bacterial quorum sensing. Veteriner Hekimler DerneÄi Dergisi, 2021, 92, 83-94.	0.1	1
571	Effects of antimicrobial peptides on Staphylococcus aureus growth and biofilm formation in vitro following isolation from implant-associated infections. International Journal of Clinical and Experimental Medicine, 2015, 8, 1546-51.	1.3	7
572	Effect of Postoperative Amoxicillin on Early Bacterial Colonization of Peri-Implant Sulcus: A Randomized Controlled Clinical Trial. Journal of Dentistry of Tehran University of Medical Sciences, 2016, 13, 309-317.	0.4	4
573	Determining the Biofilm Forming Gene Profile of Clinical Isolates via Multiplex Colony PCR Method. Reports of Biochemistry and Molecular Biology, 2019, 7, 181-188.	0.5	12



#	ARTICLE	IF	CITATIONS
574	Purification of PIA and rSesC as Putative Vaccine Candidates Against. Reports of Biochemistry and Molecular Biology, 2019, 8, 161-167.	0.5	1
575	Versatile Thiol- and Amino-Functionalized Silatranes for in-situ polymerization and Immobilization of Gold Nanoparticles. Journal of the Taiwan Institute of Chemical Engineers, 2022, 132, 104129.	2.7	6
576	Insights into the antibiotic resistance in Biofilms – A Review. Environment Conservation Journal, 0, , .	0.1	1
577	Nanolayered Double Hydroxide Inhibits the Pathogenicity of Vibrio parahaemolyticus. Journal of Nanomaterials, 2021, 2021, 1-15.	1.5	2
578	Fabrication of antibiotic-loaded dissolvable calcium sulfate beads: an in vitro mixing lab utilizing various antibiotic mixing formulas. Journal of Bone and Joint Infection, 2021, 6, 405-412.	0.6	4
579	Chapter 5. Inorganic Biomaterials to Support the Formation and Repair of Bone Tissue. Inorganic Materials Series, 2021, , 242-304.	0.5	0
580	Application of proper orthogonal decomposition for evaluation of coherent structures and energy contents in microbial biofilms. Journal of Microbiological Methods, 2022, 194, 106420.	0.7	1
581	WSES/GAIS/WSIS/SIS-E/AAST global clinical pathways for patients with skin and soft tissue infections. World Journal of Emergency Surgery, 2022, 17, 3.	2.1	32
583	Development of Antibiofilm Therapeutics Strategies to Overcome Antimicrobial Drug Resistance. Microorganisms, 2022, 10, 303.	1.6	42
584	Metal Complexes – A Promising Approach to Target Biofilm Associated Infections. Molecules, 2022, 27, 758.	1.7	17
585	Modular 3D-Printed Peg Biofilm Device for Flexible Setup of Surface-Related Biofilm Studies. Frontiers in Cellular and Infection Microbiology, 2021, 11, 802303.	1.8	6
586	Antimicrobial and Anti-inflammatory Gallium – Defensin Surface Coatings for Implantable Devices. ACS Applied Materials & Interfaces, 2022, 14, 9685-9696.	4.0	7
587	Understanding the science of fungal endophthalmitis - AIOS 2021 Sengamedu Srinivas Badrinath Endowment Lecture. Indian Journal of Ophthalmology, 2022, 70, 768.	0.5	9
588	Personalized, 3D- printed fracture fixation plates versus commonly used orthopedic implant materials- biomaterials characteristics and bacterial biofilm formation. Injury, 2022, 53, 938-946.	0.7	11
589	Prevention of Penile Prosthesis Infection. Current Urology Reports, 2022, 23, 75-81.	1.0	5
590	Microstructure and antibacterial properties of a ZnO coating on a biomaterial surface. Archives of Civil and Mechanical Engineering, 2022, 22, .	1.9	2
592	Amphiphilic Alginate-Based Layer-by-Layer Coatings Exhibiting Resistance against Nonspecific Protein Adsorption and Marine Biofouling. ACS Applied Materials & Interfaces, 2022, 14, 16062-16073.	4.0	8
593	A review on the antimicrobial and antibiofilm activity of doped hydroxyapatite and its composites for biomedical applications. Materials Today Communications, 2022, 31, 103311.	0.9	11

#	ARTICLE	IF	CITATIONS
594	Impressive strides in antibacterial performance amelioration of Ti-based implants via plasma electrolytic oxidation (PEO): A review of the recent advancements. <i>Chemical Engineering Journal</i> , 2022, 441, 136003.	6.6	50
595	A REVIEW ON NATURAL ANTI BIOFILM AGENTS FOR WOUND BIOFILM. <i>Indian Drugs</i> , 2021, 58, 7-18.	0.1	0
599	Fluorescence <i>in situ</i> hybridization and microbial community profiling analysis of explanted cochlear implants. <i>Acta Oto-Laryngologica</i> , 2022, , 1-7.	0.3	0
600	Polymicrobial biofilms related to dental implant diseases: unravelling the critical role of extracellular biofilm matrix. <i>Critical Reviews in Microbiology</i> , 2023, 49, 370-390.	2.7	10
601	Halicin Is Effective Against <i>Staphylococcus aureus</i> Biofilms In Vitro. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 1476-1487.	0.7	7
602	Comparison of the Frequency of Biofilm-Forming Genes ( ) in Methicillin-Resistant Strains Isolated from Human and Livestock.. <i>Archives of Razi Institute</i> , 2021, 76, 1655-1663.	0.4	2
603	Changes in Higher-Order Chromosomal Structure of <i>Klebsiella pneumoniae</i> Under Simulated Microgravity. <i>Frontiers in Microbiology</i> , 2022, 13, .	1.5	2
605	Surface coating of orthopedic implant to enhance the osseointegration and reduction of bacterial colonization: a review. <i>Biomaterials Research</i> , 2022, 26, .	3.2	45
606	Rifampicin resistance and risk factors associated with significantly lower recovery rates after two stage revision in patients with prosthetic joint infection. <i>Journal of Global Antimicrobial Resistance</i> , 2022, , .	0.9	4
607	New insights into the inhibitory roles and mechanisms of D-amino acids in bacterial biofilms in medicine, industry, and agriculture. <i>Microbiological Research</i> , 2022, 263, 127107.	2.5	6
608	Biofilm formation, multidrug-resistance and clinical infections of <i>Staphylococcus haemolyticus</i> : A brief review. <i>Research, Society and Development</i> , 2022, 11, e228111133605.	0.0	2
609	A scoping review of penile implant biofilms—what do we know and what remains unknown?. <i>Translational Andrology and Urology</i> , 2022, 11, 1210-1221.	0.6	1
610	Towards Non-stick Silk: Tuning the Hydrophobicity of Silk Fibroin Protein. <i>ChemBioChem</i> , 2022, 23, .	1.3	7
611	Advancements in antimicrobial nanoscale materials and self-assembling systems. <i>Chemical Society Reviews</i> , 2022, 51, 8696-8755.	18.7	23
612	Plant-Microbe Interactions and Its Effect on Crop Productivity. , 2022, , 29-60.		2
613	Rapid synthesis of drug-encapsulated films by evaporation-induced self-assembly for highly-controlled drug release from biomaterial surfaces. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6453-6463.	2.9	1
614	Antibacterial Activity and Bioactivity of Zn-Doped TiO <sub>2</sub> Coating for Implants. <i>Coatings</i> , 2022, 12, 1264.	1.2	7
616	Evaluation of antibacterial property and biocompatibility of Cu doped TiO <sub>2</sub> coated implant prepared by micro-arc oxidation. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	5

#	ARTICLE	IF	CITATIONS
617	The AhR ligand phthiocol and vitamin K analogs as <i>Pseudomonas aeruginosa</i> quorum sensing inhibitors. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	2
618	Polycaprolactone-Coated Alginate/b-Tricalcium Phosphate Beads to Locally Deliver Vancomycin: A Pilot Study. <i>International Journal of Orthopedics and Rehabilitation</i> , 2022, 1, 5-15.	0.1	0
619	Preventing Peri-implantitis: The Quest for a Next Generation of Titanium Dental Implants. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 4697-4737.	2.6	23
620	pH variation in medical implant biofilms: Causes, measurements, and its implications for antibiotic resistance. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	10
621	Enzymology of Microbial Biofilms. <i>Environmental and Microbial Biotechnology</i> , 2022, , 117-140.	0.4	0
622	Bacteriophage therapy in infection after fracture fixation (IAFF) in orthopaedic surgery. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2022, , 102067.	0.6	0
623	Perspective Chapter: Tissue-Electronics Interfaces. , 0, , .		5
624	Corrosion in Mg-alloy biomedical implants- the strategies to reduce the impact of the corrosion inflammatory reaction and microbial activity. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 3306-3326.	5.5	20
625	Strategies to Mitigate and Treat Orthopaedic Device-Associated Infections. <i>Antibiotics</i> , 2022, 11, 1822.	1.5	9
626	Biofilmsâ€”What Should the Orthopedic Surgeon know?. <i>Indian Journal of Orthopaedics</i> , 2023, 57, 44-51.	0.5	4
627	Bacterial Contamination Is Involved in the Etiology of Soft-Tissue Filler, Late-Onset, Inflammatory Adverse Events. <i>Plastic and Reconstructive Surgery</i> , 2023, 151, 971-978.	0.7	2
628	Therapeutic Strategies against Biofilm Infections. <i>Life</i> , 2023, 13, 172.	1.1	14
629	Metabolic Conditions and Peri-Implantitis. <i>Antibiotics</i> , 2023, 12, 65.	1.5	4
630	Biomedical antifouling polymer nanocomposites. , 2023, , 563-589.		0
631	Biofilms associated with biomedical implants and combating therapies. , 2023, , 335-353.		1
632	Biofilm in antibiotic resistance and pathogenesis in relation to foodborne infection and control strategies. , 2023, , 315-334.		0
633	Enrichment of Bone Tissue with Antibacterially Effective Amounts of Nitric Oxide Derivatives by Treatment with Dielectric Barrier Discharge Plasmas Optimized for Nitrogen Oxide Chemistry. <i>Biomedicines</i> , 2023, 11, 244.	1.4	1
634	Nanoarchitectonics of nitric oxide releasing supramolecular structures for enhanced antibacterial efficacy under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2023, 640, 144-161.	5.0	3

#	ARTICLE	IF	CITATIONS
635	Underestimated microbial infection of resorbable membranes on guided regeneration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2023, 226, 113318.	2.5	7
636	The Antimicrobial Activity of Curcumin and Xanthohumol on Bacterial Biofilms Developed over Dental Implant Surfaces. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2335.	1.8	9
637	Outcomes of Third-Attempt Breast Reconstruction following Infection-Associated Failure of Secondary Implant-Based Reconstruction. <i>Plastic and Reconstructive Surgery</i> , 2023, 151, 367e-375e.	0.7	2
638	Influence of micro-textures on wettability and antibacterial behavior of Titanium surfaces against <i>S. aureus</i> and <i>E. coli</i> : in vitro studies. <i>International Journal on Interactive Design and Manufacturing</i> , 0, , .	1.3	3
639	Study of the influence of individual components in the cultivation environment on <i>P. aeruginosa</i> and <i>A. baumannii</i> biofilm-forming activity. <i>Reports of Vinnytsia National Medical University</i> , 2023, 27, 22-27.	0.0	0
640	Nano-antimicrobial Materials: Alternative Antimicrobial Approach. , 2023, , 137-171.		0
645	Strategies to reduce microbial biofilm in medical prosthesis and other devices. , 2023, , 289-314.		0
646	New perspectives and role of phytochemicals in biofilm inhibition. , 2023, , 413-431.		0
648	<i>Staphylococcus aureus</i> . , 2023, , 3-20.		0
653	A Comprehensive Review of Adaptive Antibacterial Coatings for Implants, Metallic and Herbal Coating Materials and Implant Biomaterial Characterization. <i>Springer Proceedings in Materials</i> , 2023, , 17-48.	0.1	0
654	Functional Wound Healing. , 2023, , 385-404.		1
661	Breast Implant Infections. , 2023, , 357-372.		0