Citation Report
List of articles citing

Strategies for combating bacterial biofilm infections

DOI: 10.1038/ijos.2014.65
International Journal of Oral Science, 2015, 7, 1-7.

#	Paper	IF	Citations
613	Artificial cell-cell communication as an emerging tool in synthetic biology applications. **2015**, 9, 13		37
612	Evaluation of the antibacterial and antibiofilm activities of novel CRAMP-vancomycin conjugates with diverse linkers. **2015**, 13, 7477-86		25
611	The Challenging World of Biofilm Physiology. **2015**, 67, 235-92		20
610	Management of Medication-Related Osteonecrosis of the Jaw. **2015**, 27, 517-25		19
609	Prediction of Biofilm Inhibiting Peptides: An In silico Approach. **2016**, 7, 949		24
608	Highly Effective Inhibition of Biofilm Formation by the First Metagenome-Derived AI-2 Quenching Enzyme. **2016**, 7, 1098		38
607	Calcium Phosphate as a Key Material for Socially Responsible Tissue Engineering. **2016**, 9,		32
606	Application of a Loop-Type Laboratory Biofilm Reactor to the Evaluation of Biofilm for Some Metallic Materials and Polymers such as Urinary Stents and Catheters. **2016**, 9,		8
605	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. **2016**, 21,		120
604	Lectin-Like Molecules of Lactobacillus rhamnosus GG Inhibit Pathogenic Escherichia coli and Salmonella Biofilm Formation. **2016**, 11, e0161337		46
603	Screening of Compounds against Gardnerella vaginalis Biofilms. **2016**, 11, e0154086		27
602	Evaluation of Biofilm Formation Among Klebsiella pneumoniae Isolates and Molecular Characterization by ERIC-PCR. **2016**, 9, e30682		41
601	Antibacterial activity of a new broad-spectrum antibiotic covalently bound to titanium surfaces. **2016**, 34, 2191-2198		21
600	Using Competing Bacterial Communication to Disassemble Biofilms. **2016**,		3
599	Antibiofilm Peptides: Potential as Broad-Spectrum Agents. **2016**, 198, 2572-8		126
598	Bacterial Resistance to Host Defence Peptides. **2016**, 161-204		3
597	Quorum quenching Stiften friede zwischenbakterieller Beziehungen. **2016**, 22, 362-364		

596	Biomineralization strongly modulates the formation of Proteus mirabilis and Pseudomonas aeruginosa dual-species biofilms. **2016**, 92,	12
595	A topical antibacterial ointment made of Zn-doped copper oxide nanocomposite. **2016**, 18, 1	8
594	On-Demand Removal of Bacterial Biofilms via Shape Memory Activation. **2016**, 8, 21140-4	35
593	Electrochemical sensing of biomarker for diagnostics of bacteria-specific infections. **2016**, 11, 2185-95	42
592	Efficacy of Poly-Lactic-Co-Glycolic Acid Micro- and Nanoparticles of Ciprofloxacin Against Bacterial Biofilms. **2016**, 105, 3115-3122	33
591	Bioinspired Polymers: Antimicrobial Polymethacrylates. **2016**, 69, 717	9
590	Virulence arsenal of the most pathogenic species among the Gram-positive anaerobic cocci, Finegoldia magna. **2016**, 42, 145-151	17
589	High Antibacterial Activity of Functionalized Chemically Exfoliated MoS. **2016**, 8, 31567-31573	111
588	Anti-biofilm peptides as a new weapon in antimicrobial warfare. **2016**, 33, 35-40	106
587	Preliminary results of a new antibiotic susceptibility test against biofilm installation in device-associated infections: the Antibiofilmogramfi . **2016**, 74,	16
586	Antimicrobial and antifouling efficacy of urinary catheters impregnated with a combination of macrolide and fluoroquinolone antibiotics against Pseudomonas aeruginosa. **2016**, 32, 511-22	18
585	New frontiers for anti-biofilm drug development. **2016**, 160, 133-44	81
584	Biofilm control with natural and genetically-modified phages. **2016**, 32, 67	52
583	Amide side chain amphiphilic polymers disrupt surface established bacterial bio-films and protect mice from chronic Acinetobacter baumannii infection. **2016**, 74, 131-43	63
582	Anti-quorum sensing and anti-biofilm activity of () on foodborne pathogens. **2017**, 24, 324-330	48
581	Polydimethyl siloxane based nanocomposites with antibiofilm properties for biomedical applications. **2017**, 105, 1075-1082	11
580	Morphological study of efficacy of clarithromycin-loaded nanocarriers for treatment of biofilm infection disease. **2017**, 50, 9-16	14
579	Biofilms: Microbial Shelters Against Antibiotics. **2017**, 23, 147-156	66

578	Reduction of Thrombosis and Bacterial Infection via Controlled Nitric Oxide (NO) Release from -Nitroso--acetylpenicillamine (SNAP) Impregnated CarboSil Intravascular Catheters. **2017**, 3, 349-359	41
577	Funktionelle Isoeugenol-modifizierte Nanogel-Beschichtungen f biologische Grenzfl hen. **2017**, 129, 2537-2543	3
576	Recent developments in the use of nanoparticles for treatment of biofilms. **2017**, 6, 383-404	41
575	Functional Isoeugenol-Modified Nanogel Coatings for the Design of Biointerfaces. **2017**, 56, 2497-2502	38
574	Antiquorum sensing natural compounds. **2017**,	11
573	Controlling bacterial fouling with polyurethane/-halamine semi-interpenetrating polymer networks. **2017**, 32, 542-554	16
572	Escherichia coli O78 isolated from septicemic lambs shows high pathogenicity in a zebrafish model. **2017**, 48, 3	9
571	Prevention of Staphylococcus aureus biofilm formation by antibiotics in 96-Microtiter Well Plates and Drip Flow Reactors: critical factors influencing outcomes. **2017**, 7, 43854	31
570	Organic Polymeric Nanomaterials as Advanced Tools in the Fight Against Antibiotic-Resistant Infections. **2017**, 153-265	1
569	Microbiological diagnosis of device-related biofilm infections. **2017**, 125, 289-303	24
568	Bacteriophage Lysin CF-301, a Potent Antistaphylococcal Biofilm Agent. **2017**, 61,	87
567	Visible and UVA light as a potential means of preventing Escherichia coli biofilm formation in urine and on materials used in urethral catheters. **2017**, 170, 295-303	17
566	On-demand Antimicrobial Treatment with Antibiotic-Loaded Porous Silicon Capped with a pH-Responsive Dual Plasma Polymer Barrier. **2017**, 12, 1605-1614	20
565	Reshaping antibiotics through hydrophobic drug-bile acid ionic complexation enhances activity against Staphylococcus aureus biofilms. **2017**, 528, 144-162	6
564	Repurposing of nucleoside- and nucleobase-derivative drugs as antibiotics and biofilm inhibitors. **2017**, 72, 2156-2170	40
563	Inhibition of biofilm formation in Mycobacterium smegmatis by Parinari curatellifolia leaf extracts. **2017**, 17, 285	13
562	Phenotypic diversity and genotypic flexibility of during long-term chronic infection of cystic fibrosis lungs. **2017**, 27, 650-662	31
561	Complete Eradication of Biofilm From Orthopedic Materials. **2017**, 32, 2513-2518	15

560	Whether a novel drug delivery system can overcome the problem of biofilms in respiratory diseases?. **2017**, 7, 179-187	28
559	Cross-Linked Polymer-Stabilized Nanocomposites for the Treatment of Bacterial Biofilms. **2017**, 11, 946-952	58
558	Fast and effective photodynamic inactivation of 4-day-old biofilm of methicillin-resistant Staphylococcus aureus using methylene blue-conjugated gold nanoparticles. **2017**, 37, 134-140	36
557	Impact of polymicrobial biofilms in catheter-associated urinary tract infections. **2017**, 43, 423-439	44
556	An in vitro model of catheter-associated urinary tract infections to investigate the role of uncommon bacteria on the Escherichia coli microbial consortium. **2017**, 118, 64-69	12
555	Marine macroalgae and their associated microbiomes as a source of antimicrobial chemical diversity. **2017**, 52, 452-465	14
554	Antibiofilm agents: A new perspective for antimicrobial strategy. **2017**, 55, 753-766	73
553	Antimicrobial and synergistic activity of essential oils of Aloysia triphylla and Lippia alba against Aeromonas spp. **2017**, 113, 29-33	30
552	Beyond the bulk: disclosing the life of single microbial cells. **2017**, 41, 751-780	28
551	Novel chromogenic bacteria characterized and their probable treatment options using herbal products and reagents to restrict biofilm formation. **2017**, 15, 291-298	4
550	Identification of □-tocopherol as a bioactive component of Dicranopteris linearis with disrupting property against preformed biofilm of Staphylococcus aureus. **2017**, 123, 1148-1159	3
549	Anti-protein and anti-bacterial behavior of amphiphilic silicones. **2017**, 8, 5239-5251	34
548	Investigation on the effect of known potent S. aureus NorA efflux pump inhibitors on the staphylococcal biofilm formation. **2017**, 7, 37007-37014	20
547	A Human Biofilm-Disrupting Monoclonal Antibody Potentiates Antibiotic Efficacy in Rodent Models of both Staphylococcus aureus and Acinetobacter baumannii Infections. **2017**, 61,	20
546	Surface Functionalization of Biomaterials. **2017**, 457-490	7
545	Commensal coagulase-negative Staphylococcus from the udder of healthy cows inhibits biofilm formation of mastitis-related pathogens. **2017**, 207, 259-266	13
544	Enhanced production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) copolymer and antimicrobial yellow pigmentation from Cupriavidus sp. USMAHM13 with antibiofilm capability. **2017**, 47, 388-396	3
543	An Overview of Infections Associated With Soft Tissue Facial Fillers: Identification, Prevention, and Treatment. **2017**, 75, 160-166	22

542	Biocidal Polymers: A Mechanistic Overview. **2017**, 57, 276-310	40
541	Degradable magnesium implant-associated infections by bacterial biofilms induce robust localized and systemic inflammatory reactions in a mouse model. **2017**, 12, 055006	8
540	Subchronic toxicity of Nile tilapia with different exposure routes to : Histopathology, liver functions, and oxidative stress biomarkers. **2017**, 10, 955-963	13
539	Alternative strategies for the study and treatment of clinical bacterial biofilms. **2017**, 1, 41-53	9
538	Collagen-Nanoparticles Composites for Wound Healing and Infection Control. **2017**, 7, 516	14
537	Antimicrobial resistance of biofilms in medical devices. **2017**, 97-113	2
536	Onion Peel Ethylacetate Fraction and Its Derived Constituent Quercetin 4'--D Glucopyranoside Attenuates Quorum Sensing Regulated Virulence and Biofilm Formation. **2017**, 8, 1675	30
535	Sterilization of Biofilm on a Titanium Surface Using a Combination of Nonthermal Plasma and Chlorhexidine Digluconate. **2017**, 2017, 6085741	24
534	Prevenção da formação de biofilmes em marcapassos artificiais: 'viável?. **2017**, 30, 644-650	2
533	Effect of EDTA on biofilm formation and antibiotic susceptibility of multidrug resistant uropathogenic Escherichia coli clinical isolates in Egypt. **2017**, 11, 1445-1458	4
532	Controlling the Structure and Antimicrobial Function of N-Halamine-Based Polyurethane Semi-interpenetrating Polymer Networks. **2017**, 56, 12032-12037	10
531	Biofilm-mediated Antibiotic-resistant Oral Bacterial Infections: Mechanism and Combat Strategies. **2017**, 23, 2084-2095	24
530	Appraisal of Biofilm Formation in Diabetic Foot Infections by Comparing Phenotypic Methods With the Ultrastructural Analysis. **2018**, 57, 309-315	3
529	Role of bacterial efflux pumps in biofilm formation. **2018**, 73, 2003-2020	148
528	Lectin-Functionalized Composite Hydrogels for "Capture-and-Killing" of Carbapenem-Resistant Pseudomonas aeruginosa. **2018**, 19, 2472-2482	10
527	Options and Limitations in Clinical Investigation of Bacterial Biofilms. **2018**, 31,	100
526	Surface-Anchored Metal-Organic Framework-Cotton Material for Tunable Antibacterial Copper Delivery. **2018**, 10, 15189-15199	78
525	"Less Blue, More Clean": CuO nano-cubic functionalized hydrogel for the energy transformation of light-emitting screens.. **2018**, 8, 5468-5472	2

524	(Some) current concepts in antibacterial drug discovery. **2018**, 102, 2949-2963	11
523	Antimicrobial Effectiveness of Regular Dielectric- Barrier Discharge (DBD) and Jet DBD on the Viability of Pseudomonas aeruginosa. **2018**, 2, 68-76	11
522	Restoring balance: biofilms and wound dressings. **2018**, 27, 102-113	9
521	Hordenine: A Novel Quorum Sensing Inhibitor and Antibiofilm Agent against Pseudomonas aeruginosa. **2018**, 66, 1620-1628	81
520	New Perspectives in Biofilm Eradication. **2018**, 4, 93-106	87
519	Thiazolium-derivative functionalized silver nanocomposites for suppressing bacterial resistance and eradicating biofilms. **2018**, 42, 1316-1325	5
518	Pharmacodynamic interactions of amikacin with selected β-lactams and fluoroquinolones against canine Escherichia coli isolates. **2018**, 117, 187-195	1
517	Biodegradable Nanocomposite Antimicrobials for the Eradication of Multidrug-Resistant Bacterial Biofilms without Accumulated Resistance. **2018**, 140, 6176-6182	62
516	Direct Analysis of Pathogenic Structures Affixed to the Tympanic Membrane during Chronic Otitis Media. **2018**, 159, 117-126	17
515	Surface-Enhanced Raman Scattering (SERS) in Microbiology: Illumination and Enhancement of the Microbial World. **2018**, 72, 987-1000	43
514	Pharmacodynamics of amoxicillin against field isolates of Streptococcus parauberis from olive flounder (Paralichthys olivaceus). **2018**, 49, 1060-1071	2
513	Anti-biofilm Activity of Solvent-Cast and Electrospun Polyhydroxyalkanoate Membranes Treated with Lysozyme. **2018**, 26, 66-72	22
512	Strategies for combating bacterial biofilms: A focus on anti-biofilm agents and their mechanisms of action. **2018**, 9, 522-554	465
511	Synthesis, Antimicrobial and Antioxidant Activity of Pyrazole Based Sulfonamide Derivatives. **2018**, 58, 93-99	15
510	Homogentisic acid γ-lactone suppresses the virulence factors of Pseudomonas aeruginosa by quenching its quorum sensing signal molecules. **2018**, 29, 313-316	5
509	Adhesion forces of biofilms developed in vitro from clinical strains of skin wounds. **2018**, 82, 336-344	9
508	Anti-Virulence Factor Therapeutics. **2018**, 439-461	
507	Staphylococcus aureus and Staphylococcus epidermidis infections on implants. **2018**, 98, 111-117	138

506	Influ□cia do polipirrol e dos n□veis de salinidade na forma□ de biofilme em Aeromonas spp.. **2018**, 38, 1528-1536	2
505	Influence of polymerized siloxane coating on growth and biofilm formation of aerobic grown nosocomial bacteria. **2018**, 3, 107-115	0
504	Novel Approaches to the Control of Oral Microbial Biofilms. **2018**, 2018, 6498932	45
503	Exposure to Freeze-Thaw Conditions Increases Virulence of Pseudomonas aeruginosa to Drosophila melanogaster. **2018**, 52, 14180-14186	4
502	Medically important biofilms and non-thermal plasma. **2018**, 34, 178	20
501	UV light assisted antibiotics for eradication of in vitro biofilms. **2018**, 8, 16360	7
500	Antimicrobial Imidazolium Ionic Liquids for the Development of Minimal Invasive Calcium Phosphate-Based Bionanocomposites. **2018**, 10, 42766-42776	29
499	Chemical and Biological Evaluation of Essential Oils from Cardamom Species. **2018**, 23,	32
498	Mesoporous Silica Materials as Drug Delivery: "The Nightmare" of Bacterial Infection. **2018**, 10,	47
497	Redox/pH dual-controlled release of chlorhexidine and silver ions from biodegradable mesoporous silica nanoparticles against oral biofilms. **2018**, 13, 7697-7709	40
496	Chronic tonsillitis and biofilms: a brief overview of treatment modalities. **2018**, 11, 329-337	22
495	Mesoporous bioactive glasses: Promising platforms for antibacterial strategies. **2018**, 81, 1-19	99
494	Development of Mannopyranoside Therapeutics against Adherent-Invasive Escherichia coli Infections. **2018**, 51, 2937-2948	18
493	Current anti-biofilm strategies and potential of antioxidants in biofilm control. **2018**, 16, 855-864	20
492	as a Prominent Resource of Future Anti-MRSA Drugs. **2018**, 9, 2221	54
491	and PAO1: Models for Evaluating Anti-Quorum Sensing Activity of Essential Oil and Its Main Component Terpinen-4-ol. **2018**, 23,	26
490	Reviewing microbial electrical systems and bacteriophage biocontrol as targeted novel treatments for reducing hydrogen sulfide emissions in urban sewer systems. **2018**, 17, 749-764	2
489	Targeting the Bacterial Protective Armour; Challenges and Novel Strategies in the Treatment of Microbial Biofilm. **2018**, 11,	20

488	Identification of novel genes involved in gingival epithelial cells responding to Aggregatibacter actinomycetemcomitans and Porphyromonas gingivalis infections. **2018**, 96, 113-121	4
487	Biofilm infections between Scylla and Charybdis: interplay of host antimicrobial peptides and antibiotics. **2018**, 11, 501-514	12
486	Periprosthetic bacterial biofilm and quorum sensing. **2018**, 36, 2331-2339	26
485	Impact of Host Defense Peptides on Chronic Wounds and Infections. **2018**, 3-19	4
484	Design, synthesis, DFT, docking studies and ADME prediction of some new coumarinyl linked pyrazolylthiazoles: Potential standalone or adjuvant antimicrobial agents. **2018**, 13, e0196016	36
483	Dalbavancin for treatment of implant-related methicillin-resistant Staphylococcus aureus osteomyelitis in an experimental rat model. **2018**, 8, 9661	13
482	Understanding plasma biofilm interactions for controlling infection and virulence. **2018**, 51, 263001	12
481	Targeted disruption of the extracellular polymeric network of biofilms by alginate oligosaccharides. **2018**, 4, 13	74
480	Antibacterial Properties of Medicinal Plants From Pakistan Against Multidrug-Resistant ESKAPE Pathogens. **2018**, 9, 815	24
479	Induction of Different Sensitization Patterns of MRSA to Antibiotics Using Electroporation. **2018**, 23,	6
478	Virulence and Host Immunity: Aging, Diagnostics, and Prevention. **2018**, 9, 1366	79
477	Rifampicin-Manuka Honey Combinations Are Superior to Other Antibiotic-Manuka Honey Combinations in Eradicating Biofilms. **2017**, 8, 2653	24
476	Differential Activity of the Combination of Vancomycin and Amikacin on Planktonic vs. Biofilm-Growing Bacteria in a Hollow Fiber Infection Model. **2018**, 9, 572	13
475	Antibacterial and Antibiofilm Activities of Psychorubrin, a Pyranonaphthoquinone Isolated From (Rubiaceae). **2018**, 9, 724	22
474	Antibiofilm Peptides and Peptidomimetics with Focus on Surface Immobilization. **2018**, 8,	35
473	Recent progress in bio-inspired biofilm-resistant polymeric surfaces. **2018**, 44, 633-652	17
472	Biofilms of Candida albicans and Streptococcus sanguinis and their susceptibility to antimicrobial effects of photodynamic inactivation. **2018**, 24, 95-101	12
471	Achieving Long-Term Biocompatible Silicone via Covalently Immobilized S-Nitroso-N-acetylpenicillamine (SNAP) That Exhibits 4 Months of Sustained Nitric Oxide Release. **2018**, 10, 27316-27325	35

470	Defense Mechanisms Against Acid Exposure by Dental Enamel Formation, Saliva and Pancreatic Juice Production. **2018**, 24, 2012-2022	7
469	Superior Bactericidal Efficacy of Fucose-Functionalized Silver Nanoparticles against Pseudomonas aeruginosa PAO1 and Prevention of Its Colonization on Urinary Catheters. **2018**, 10, 29325-29337	22
468	Antibacterial and Antibiofilm Activities of Nonpolar Extracts of Regel. against Multidrug Resistant Bacteria. **2018**, 2018, 9845075	12
467	Improving the hemocompatibility of catheters via NO release/generation. **2018**, 431-455	1
466	Antimicrobial potential of Alpinia purpurata lectin (ApuL): Growth inhibitory action, synergistic effects in combination with antibiotics, and antibiofilm activity. **2018**, 124, 152-162	21
465	Diatom Microbubbler for Active Biofilm Removal in Confined Spaces. **2018**, 10, 35685-35692	9
464	Skin bacterial flora as a potential risk factor predisposing to late bacterial infection after cross-linked hyaluronic acid gel augmentation. **2018**, 11, 213-222	14
463	Surface Functionalization With Biopolymers via Plasma-Assisted Surface Grafting and Plasma-Induced Graft Polymerization Materials for Biomedical Applications. **2018**, 115-151	11
462	Real-time assessment of bacteriophage T3-derived antimicrobial activity against planktonic and biofilm-embedded Escherichia coli by isothermal microcalorimetry. **2018**, 169, 515-521	21
461	Biofilms: Architecture, Resistance, Quorum Sensing and Control Mechanisms. **2019**, 59, 3-12	80
460	Antimicrobial Silver Nanoparticles for Wound Healing Application: Progress and Future Trends. **2019**, 12,	135
459	Equine or porcine synovial fluid as a novel ex vivo model for the study of bacterial free-floating biofilms that form in human joint infections. **2019**, 14, e0221012	24
458	3D bioprinting of mature bacterial biofilms for antimicrobial resistance drug testing. **2019**, 11, 045018	30
457	Antibiofilm Potential of Silver Sulfadiazine-Loaded Nanoparticle Formulations: A Study on the Effect of DNase-I on Microbial Biofilm and Wound Healing Activity. **2019**, 16, 3916-3925	36
456	Effect of ultrasonic sonication time on the structural, optical and antibacterial properties of ceria nanostructures. **2019**, 6, 095055	3
455	Pseudomonas aeruginosa Increases the Sensitivity of Biofilm-Grown Staphylococcus aureus to Membrane-Targeting Antiseptics and Antibiotics. **2019**, 10,	38
454	Phytochemical-Based Nanocomposites for the Treatment of Bacterial Biofilms. **2019**, 5, 1590-1596	15
453	In vitro activity of antimicrobial-impregnated catheters against biofilms formed by KPC-producing Klebsiella pneumoniae. **2019**, 127, 1018-1027	5

452	Synergistic Activity of Fosfomycin, Ciprofloxacin, and Gentamicin Against and Biofilms. **2019**, 10, 2522	22
451	Evaluation of Drug Delivery and Efficacy of Ciprofloxacin-Loaded Povidone Foils and Nanofiber Mats in a Wound-Infection Model Based on Ex Vivo Human Skin. **2019**, 11,	12
450	Therapeutic Options for Treatment of Infections by Pathogenic Biofilms. **2019**, 503-531	
449	Targeting of Nanotherapeutics to Infection Sites for Antimicrobial Therapy. **2019**, 2, 1900095	6
448	Mitracarpus frigidus is active against Salmonella enterica species including the biofilm form. **2019**, 141, 111793	6
447	In-Vitro Biofilm Formation and Antimicrobial Resistance of in Diabetic and Nondiabetic Patients. **2019**, 2019, 1474578	9
446	Synthesis of new triazole fused imidazo[2,1-b]thiazole hybrids with emphasis on Staphylococcus aureus virulence factors. **2019**, 29, 126621	8
445	An overview on anti-biofilm properties of quercetin against bacterial pathogens. **2019**, 35, 143	31
444	Medical Biofilms. **2019**, 83-99	3
443	Hemidesmus indicus, a traditional medicinal plant, targets the adherence of multidrug-resistant pathogens to form biofilms. **2019**, 21, 101338	8
442	Application of Non-Thermal Plasma on Biofilm: A Review. **2019**, 9, 3548	21
441	In vitro evaluation of Pseudomonas aeruginosa chronic lung infection models: Are agar and calcium-alginate beads interchangeable?. **2019**, 143, 35-43	4
440	Rapid kill assessment of an -arylated NH125 analogue against drug-resistant microorganisms. **2019**, 10, 712-716	3
439	A short peptide with selective anti-biofilm activity against Pseudomonas aeruginosa and Klebsiella pneumoniae carbapenemase-producing bacteria. **2019**, 135, 103605	4
438	Contact Lens Technology: From Fundamentals to Applications. **2019**, 8, e1900368	74
437	-Sitosterol derived compound from onion husks non-polar fraction reduces quorum sensing controlled virulence and biofilm production. **2019**, 27, 664-672	5
436	Antibiofilm and Antivirulence Efficacies of Flavonoids and Curcumin Against. **2019**, 10, 990	55
435	American Civil War plant medicines inhibit growth, biofilm formation, and quorum sensing by multidrug-resistant bacteria. **2019**, 9, 7692	18

434	Alterations to the Lung Microbiome in Idiopathic Pulmonary Fibrosis Patients. **2019**, 9, 149	12
433	In vitro and in silico approaches of antibiofilm activity of 1-hydroxy-1-norresistomycin against human clinical pathogens. **2019**, 132, 343-354	7
432	Three-dimensional Patterning of Engineered Biofilms with a Do-it-yourself Bioprinter. **2019**,	7
431	Surface Modification of Nanoparticles for Targeted Drug Delivery. **2019**,	17
430	Evaluating Efficacy of Antimicrobial and Antifouling Materials for Urinary Tract Medical Devices: Challenges and Recommendations. **2019**, 19, e1800384	40
429	Functionalized Antibacterial Nanoparticles for Controlling Biofilm and Intracellular Infections. **2019**, 183-206	4
428	The Concept of an Ideal Antibiotic: Implications for Drug Design. **2019**, 24,	158
427	Anti-Biofilm Activity of Graphene Quantum Dots via Self-Assembly with Bacterial Amyloid Proteins. **2019**, 13, 4278-4289	39
426	Enhanced antibacterial properties and the cellular response of stainless steel through friction stir processing. **2019**, 35, 187-203	4
425	Alginate lyase immobilized chitosan nanoparticles of ciprofloxacin for the improved antimicrobial activity against the biofilm associated mucoid P. aeruginosa infection in cystic fibrosis. **2019**, 563, 30-42	49
424	Delayed laryngeal implant infection and laryngocutaneous fistula after medialization laryngoplasty. **2019**, 40, 462-464	0
423	AMPs as Anti-biofilm Agents for Human Therapy and Prophylaxis. **2019**, 1117, 257-279	18
422	Antimicrobial Peptides. **2019**,	13
421	Prevention of biofilm re-development on Ti-6Al-4V alloy by cometary discharge with a metallic grid. **2019**, 59, 166-172	9
420	Automated classification platform for the identification of otitis media using optical coherence tomography. **2019**, 2, 22	14
419	1-Amino-2'-fucosyllactose inhibits biofilm formation by Streptococcus agalactiae. **2019**, 72, 507-512	12
418	Biofilm inhibition and anti-quorum sensing activity of phytosynthesized silver nanoparticles against the nosocomial pathogen Pseudomonas aeruginosa. **2019**, 35, 34-49	44
417	Innovations in Quality Improvement of Intravascular Catheter-Related Bloodstream Infections. **2019**, 11, 23-41	

416	Electroceutical Treatment of Pseudomonas aeruginosa Biofilms. **2019**, 9, 2008	18
415	An elegant nitroreductase responsive fluorescent probe for selective detection of pathogenic Listeria in vitro and in vivo. **2019**, 198, 472-479	17
414	Triterpene Derivatives as Relevant Scaffold for New Antibiofilm Drugs. **2019**, 9,	11
413	Microbial Biofilms. **2019**,	
412	Which Parameters Affect Biofilm Removal with Acoustic Cavitation? A Review. **2019**, 45, 1044-1055	36
411	Vitamin E for Prevention of Biofilm-caused Healthcare-associated Infections. **2018**, 15, 14-21	11
410	A novel technique for fabricating antibiotic-coated intramedullary nails using an antibiotic-loaded calcium sulphate hydroxyapatite bio-composite, Cerament-V. **2019**, 2019, rjz327	6
409	Understanding the Role of Shape and Composition of Star-Shaped Polymers and their Ability to Both Bind and Prevent Bacteria Attachment on Oral Relevant Surfaces. **2019**, 10,	3
408	Bioactive extracts of and thymol inhibit biofilm development by multidrug-resistant extended spectrum Ⅎactamase producing enteric bacteria. **2019**, 35, 1026-1039	9
407	Nano-Enhanced Drug Delivery and Therapeutic Ultrasound for Cancer Treatment and Beyond. **2019** , 7, 324	59
406	Biofilms in Human Diseases: Treatment and Control. **2019**,	3
405	Effectiveness of Efflux Pump Inhibitors as Biofilm Disruptors and Resistance Breakers in Gram-Negative (ESKAPEE) Bacteria. **2019**, 8,	38
404	The Analogs of Temporin-GHa Exhibit a Broader Spectrum of Antimicrobial Activity and a Stronger Antibiofilm Potential against. **2019**, 24,	13
403	Phenotypic Characterization of Biofilm Grown and Inhibiting and Dissolving Activity of Azithromycin/Rifampicin Treatment. **2019**, 8,	4
402	Biofilm formation and antibiotic resistance of isolated from clinical samples in a tertiary care hospital, Klaten, Indonesia. **2019**, 13, 20	46
401	Biofilm inhibiting activity of betacyanins from red pitahaya (Hylocereus polyrhizus) and red spinach (Amaranthus dubius) against Staphylococcus aureus and Pseudomonas aeruginosa biofilms. **2019**, 126, 68-78	9
400	Chlorogenic acid attenuates virulence factors and pathogenicity of Pseudomonas aeruginosa by regulating quorum sensing. **2019**, 103, 903-915	35
399	Gentamicin Susceptibility Test for Prevention of Bacterial Biofilms in Bone Tissue and on Implants. **2019**, 63,	11

398	Potential for repurposing the personal care product preservatives bronopol and bronidox as broad-spectrum antibiofilm agents for topical application. **2019**, 74, 907-911	1
397	Butenolide, a Marine-Derived Broad-Spectrum Antibiofilm Agent Against Both Gram-Positive and Gram-Negative Pathogenic Bacteria. **2019**, 21, 88-98	18
396	Implantable antimicrobial biomaterials for local drug delivery in bone infection models. **2019**, 93, 2-11	53
395	Synthesis and Evaluation of a Chitosan Oligosaccharide-Streptomycin Conjugate against Biofilms. **2019**, 17,	12
394	In vitro and ex vivo systems at the forefront of infection modeling and drug discovery. **2019**, 198, 228-249	22
393	Prospects of Essential Oils in Controlling Pathogenic Biofilm. **2019**, 203-236	12
392	Identification potential inhibitors against the quorum-sensing signal pathway. **2020**, 38, 2965-2975	1
391	DNase-I functionalization of ciprofloxacin-loaded chitosan nanoparticles overcomes the biofilm-mediated resistance of Pseudomonas aeruginosa. **2020**, 10, 563-575	22
390	Activity of Sodium Lauryl Sulfate, Rhamnolipids, and -Acetylcysteine Against Biofilms of Five Common Pathogens. **2020**, 26, 290-299	8
389	Ultrasound-mediated therapies for the treatment of biofilms in chronic wounds: a review of present knowledge. **2020**, 13, 613-628	34
388	Mechanical and microstructural insights of Vibrio cholerae and Escherichia coli dual-species biofilm at the air-liquid interface. **2020**, 188, 110786	11
387	Antibiofilm effect of mesoporous titania coatings on Pseudomonas aeruginosa biofilms. **2020**, 203, 111762	4
386	Hydrothermal sterilization in silver nitrate solution endows plasma sprayed hydroxyapatite coating with antibacterial property. **2020**, 263, 127258	10
385	Phytomolecules against bacterial biofilm and efflux pump: an and study. **2020**, 38, 5500-5512	8
384	Controlled delivery of ciprofloxacin and ivacaftor via sinus stent in a preclinical model of Pseudomonas sinusitis. **2020**, 10, 481-488	9
383	Biofilm Inhibitor Taurolithocholic Acid Alters Colony Morphology, Specialized Metabolism, and Virulence of. **2020**, 6, 603-612	7
382	Biofilm formation and persister cells. **2020**, 121-133	
381	Characterization of the Different Stages of Biofilm Formation and Antibiotic Susceptibility in a Clinical Strain. **2020**, 26, 569-575	11

380	Regulation and controlling the motility properties of Pseudomonas aeruginosa. **2020**, 104, 33-49	18
379	RETRACTED: Antibacterial and antibiofilm activity of ursolic acid against carbapenem-resistant Enterobacter cloacae. **2020**, 129, 528-534	8
378	The Usefulness of Microalgae Compounds for Preventing Biofilm Infections. **2019**, 9,	17
377	spp./Bacteria Mixed Biofilms. **2019**, 6,	43
376	Microbial Biofilms. **2020**,	5
375	The central role of the SOS DNA repair system in antibiotics resistance: A new target for a new infectious treatment strategy. **2020**, 262, 118562	13
374	Recent developments in biomolecule-based nanoencapsulation systems for antimicrobial delivery and biofilm disruption. **2020**, 56, 13907-13917	6
373	Nanocomposite antimicrobials prevent bacterial growth through the enzyme-like activity of Bi-doped cerium dioxide (CeBiO). **2020**, 12, 21344-21358	9
372	Mannose Conjugated Polymer Targeting Biofilms. **2020**, 6, 2866-2871	5
371	Broad-spectrum treatment of bacterial biofilms using magneto-responsive liquid metal particles. **2020**, 8, 10776-10787	11
370	3D Printing of Metal/Metal Oxide Incorporated Thermoplastic Nanocomposites With Antimicrobial Properties. **2020**, 8, 568186	10
369	Controlling foodborne pathogens with natural antimicrobials by biological control and antivirulence strategies. **2020**, 6, e05020	18
368	Wound cleansing: benefits of hypochlorous acid. **2020**, 29, S4-S8	2
367	Surface engineered biomaterials and ureteral stents inhibiting biofilm formation and encrustation. **2020**, 404, 126424	12
366	Treatment strategies targeting persister cell formation in bacterial pathogens. **2020**, 46, 665-688	11
365	Topical Antibiotic Elution in a Collagen-Rich Hydrogel Successfully Inhibits Bacterial Growth and Biofilm Formation. **2020**, 64,	6
364	Hypertonic glucose inhibits growth and attenuates virulence factors of multidrug-resistant Pseudomonas aeruginosa. **2020**, 20, 203	3
363	The Addition of a Synthetic LPS-Targeting Domain Improves Serum Stability While Maintaining Antimicrobial, Antibiofilm, and Cell Stimulating Properties of an Antimicrobial Peptide. **2020**, 10,	4

362	Bacteria and Antibiotics in Wound Healing. **2020**, 100, 757-776	29
361	Broad-Spectrum Antimicrobial and Antibiofilm Activity of a Natural Clay Mineral from British Columbia, Canada. **2020**, 11,	3
360	Deciphering Streptococcal Biofilms. **2020**, 8,	13
359	Biofilm synthesis and other virulence factors in multidrug-resistant uropathogenic enterococci isolated in Northern India. **2020**, 38, 200-209	2
358	U.S. state correlations between oral health metrics and Alzheimer's disease mortality, prevalence and subjective cognitive decline prevalence. **2020**, 10, 20962	1
357	Siphonocholin isolated from red sea sponge attenuates quorum sensing controlled virulence and biofilm formation. **2020**, 28, 1383-1391	9
356	Survives the Treatment of Posttraumatic Cellulitis in the Shelter of an Obscured Fish-Bone Fragment. **2020**, 2020, 6498950	
355	Staphylococcus aureus Aggregates on Orthopedic Materials under Varying Levels of Shear Stress. **2020**, 86,	4
354	Cerium and Its Oxidant-Based Nanomaterials for Antibacterial Applications: A State-of-the-Art Review. **2020**, 7,	26
353	A novel in silico antimicrobial peptide DP7 combats MDR Pseudomonas aeruginosa and related biofilm infections. **2020**, 75, 3248-3259	12
352	Identification of New Nitric Oxide-Donating Peptides with Dual Biofilm Eradication and Antibacterial Activities for Intervention of Device-Related Infections. **2020**, 63, 9127-9135	10
351	A graphenic and potentiometric sensor for monitoring the growth of bacterial biofilms. **2020**, 323, 128662	10
350	Superbugs, silver bullets, and new battlefields. **2020**, 81-106	1
349	Susceptibility to biofilm formation on 3D-printed titanium fixation plates used in the mandible: a preliminary study. **2020**, 12, 1838164	6
348	Covalent Immobilization of -Acetylcysteine on a Polyvinyl Chloride Substrate Prevents Bacterial Adhesion and Biofilm Formation. **2020**, 36, 13023-13033	1
347	Potential of 2-Chloro--(4-fluoro-3-nitrophenyl)acetamide Against and In Vitro Toxicity Analysis. **2020**, 25,	4
346	Ultrasmall AgNP-Impregnated Biocompatible Hydrogel with Highly Effective Biofilm Elimination Properties. **2020**, 12, 41011-41025	34
345	Clarithromycin Exerts an Antibiofilm Effect against Serovar Typhimurium rdar Biofilm Formation and Transforms the Physiology towards an Apparent Oxygen-Depleted Energy and Carbon Metabolism. **2020**, 88,	1

344	Antibacterial Activity of Silver and Its Application in Dentistry, Cardiology and Dermatology. **2020**, 8,	29
343	Enhanced Antibiofilm Effects of N Plasma-Treated Buffer Combined with Antimicrobial Hexapeptides Against Plant Pathogens. **2020**, 12,	2
342	An Evaluation of Norspermidine on Anti-fungal Effect on Mature Biofilms and Angiogenesis Potential of Dental Pulp Stem Cells. **2020**, 8, 948	4
341	Biofilm: Development and Therapeutic Strategies. **2020**, 10, 414	20
340	Targeting Gut Microbial Biofilms-A Key to Hinder Colon Carcinogenesis?. **2020**, 12,	13
339	Coexistence of With Enhances Biofilm Thickness Through Alginate-Related Extracellular Matrix but Is Attenuated by N-acetyl-l-cysteine. **2020**, 10, 594336	7
338	Mesenchymal Stromal Cells as Potential Antimicrobial for Veterinary Use-A Comprehensive Review. **2020**, 11, 606404	7
337	Singularities of Pyogenic Streptococcal Biofilms - From Formation to Health Implication. **2020**, 11, 584947	3
336	Rational collaborative ablation of bacterial biofilms ignited by physical cavitation and concurrent deep antibiotic release. **2020**, 262, 120341	31
335	Plant Derived Natural Products against and : Antibiofilm Activity and Molecular Mechanisms. **2020**, 25,	17
334	Sustainable release of vancomycin from micro-arc oxidised 3D-printed porous Ti6Al4V for treating methicillin-resistant Staphylococcus aureus bone infection and enhancing osteogenesis in a rabbit tibia osteomyelitis model. **2020**, 8, 3106-3115	12
333	BIPEP: Sequence-based Prediction of Biofilm Inhibitory Peptides Using a Combination of NMR and Physicochemical Descriptors. **2020**, 5, 7290-7297	12
332	3D-Printed Microfluidic Devices for Enhanced Online Sampling and Direct Optical Measurements. **2020**, 5, 2044-2051	4
331	Evaluation of antibiofilm efficacy of essential oil components caryophyllene, cinnamaldehyde and eugenol alone and in combination against biofilm formation and preformed biofilms of Listeria monocytogenes and Salmonella typhimurium. **2020**, 71, 195-202	11
330	Virulence Potential of a Multidrug-Resistant Strain Belonging to the Emerging Clonal Group ST101-B1 Isolated from Bloodstream Infection. **2020**, 8,	7
329	Effect of Extract on Biofilm Formation, Adhesion With Its Antibacterial Activities Against Foodborne Pathogens, and Characterization of Bioactive Metabolites: An Approach. **2020**, 11, 823	36
328	Real-time monitoring of bacterial biofilms metabolic activity by a redox-reactive nanosensors array. **2020**, 18, 81	8
327	Association between Biofilm-Production and Antibiotic Resistance in Uropathogenic (UPEC): An In Vitro Study. **2020**, 8,	31

326	Enhanced durability, bio-activity and corrosion resistance of stainless steel through severe surface deformation. **2020**, 194, 111197	5
325	Exploring antibiofilm potential of bacitracin against streptococcus mutans. **2020**, 149, 104279	5
324	Biofilm rupture by laser-induced stress waves increases with loading amplitude, independent of location. **2020**, 3, 1426-1433	3
323	Beyond Risk: Bacterial Biofilms and Their Regulating Approaches. **2020**, 11, 928	120
322	Profiling and Role of Bioactive Molecules from (Freshwater/Brackish Fish) Skin Mucus with Its Potent Antibacterial, Antiadhesion, and Antibiofilm Activities. **2020**, 10,	16
321	The biofilm-associated bacterial infections unrelated to indwelling devices. **2020**, 72, 1271-1285	22
320	Antibacterial Efficacy of Two Commercially Available Bacteriophage Formulations, Staphylococcal Bacteriophage and PYO Bacteriophage, Against Methicillin-Resistant : Prevention and Eradication of Biofilm Formation and Control of a Systemic Infection of Larvae. **2020**, 11, 110	27
319	Natural products as inspiration for the development of bacterial antibiofilm agents. **2020**, 37, 1454-1477	21
318	Terpinen-4-ol as an Antibacterial and Antibiofilm Agent against. **2020**, 21,	16
317	Bacterial Sensing and Biofilm Monitoring for Infection Diagnostics. **2020**, 20, e2000129	4
316	CxxC Zinc Finger Protein Derived Peptide, MF18 Functions Against Biofilm Formation. **2020**, 39, 337-349	0
315	The potential of drug repurposing to face bacterial and fungal biofilm infections. **2020**, 307-328	2
314	Biofilms-Impacts on Human Health and Its Relevance to Space Travel. **2020**, 8,	4
313	Antimicrobial and Antibiofilm Activities of Citral Against Carbapenem-Resistant. **2020**, 17, 459-465	3
312	SURGICAL SITE INFECTION: PREVENTION AND MANAGEMENT ACROSS HEALTH-CARE SECTORS. **2020**, 29, S1-S72	27
311	The Antimicrobial Effect of Radiant Catalytic Ionization on the Bacterial Attachment and Biofilm Formation by Selected Foodborne Pathogens under Refrigeration Conditions. **2020**, 10, 1364	1
310	The Battle of Probiotics and Their Derivatives Against Biofilms. **2020**, 13, 659-672	66
309	Promising strategies for future treatment of biofilms. **2020**, 15, 63-79	6

308	Potential Probiotics Bacillus subtilis KATMIRA1933 and Bacillus amyloliquefaciens B-1895 Co-Aggregate with Clinical Isolates of Proteus mirabilis and Prevent Biofilm Formation. **2020**, 12, 1471-1483	13
307	Anti-quorum sensing and biofilm inhibitory activity of L. oleoresin. **2020**, 57, 2414-2422	2
306	Biofunctionalized zinc peroxide nanoparticles inhibit peri-implantitis associated anaerobes and Aggregatibacter actinomycetemcomitans pH-dependent. **2020**, 62, 102153	8
305	Curtailing Quorum Sensing in Pseudomonas aeruginosa by Sitagliptin. **2020**, 77, 1051-1060	12
304	Antibiotic Delivery Strategies to Treat Skin Infections When Innate Antimicrobial Defense Fails. **2020**, 9,	31
303	Cytotoxic Action of Artemisinin and Scopoletin on Planktonic Forms and on Biofilms of Species. **2020**, 25,	7
302	Inhibition of multidrug-resistant foodborne Staphylococcus aureus biofilms by a natural terpenoid (+)-nootkatone and related molecular mechanism. **2020**, 112, 107154	24
301	Single-step fabrication of catechol-□poly-L-lysine antimicrobial paint that prevents superbug infection and promotes osteoconductivity of titanium implants. **2020**, 396, 125240	22
300	Antimicrobial Metal Nanomaterials: From Passive to Stimuli-Activated Applications. **2020**, 7, 1902913	79
299	Quorum sensing inhibition and tobramycin acceleration in Chromobacterium violaceum by two natural cinnamic acid derivatives. **2020**, 104, 5025-5037	16
298	Structure/Function Relations of Chronic Wound Dressings and Emerging Concepts on the Interface of Nanocellulosic Sensors. **2020**, 249-278	1
297	LuxS/AI-2 Quorum Sensing System in Edwardsiella piscicida Promotes Biofilm Formation and Pathogenicity. **2020**, 88,	13
296	Antibiofilm activity and cytotoxicity of silk sericin against bacteria in biofilm: an study. **2020**, 29, S25-S35	5
295	Antibiotic Tolerance in Biofilm and Stationary-Phase Planktonic Cells of. **2021**, 27, 3-12	16
294	Mechanisms of Action of Luteolin Against Single- and Dual-Species of Escherichia coli and Enterobacter cloacae and Its Antibiofilm Activities. **2021**, 193, 1397-1414	8
293	Chitosan coated catheters alleviates mixed species biofilms of Staphylococcus epidermidis and Candida albicans. **2021**, 252, 117192	10
292	Activity of Biodegradable Polymeric Nanosponges against Dual-Species Bacterial Biofilms. **2021**, 7, 1780-1786	4
291	Silk Sponges with Surface Antimicrobial Activity. **2021**, 4, 692-700	1

290	1,2,3-triazole-thiazole hybrids: Synthesis, in vitro antimicrobial activity and antibiofilm studies. **2021**, 33, 127746	22
289	Use of contemporary biomaterials in chronic osteomyelitis treatment: Clinical lessons learned and literature review. **2021**, 39, 258-264	4
288	Linoleic acid inhibits Pseudomonas aeruginosa biofilm formation by activating diffusible signal factor-mediated quorum sensing. **2021**, 118, 82-93	7
287	Surface modification strategies for hemodialysis catheters to prevent catheter-related infections: A review. **2021**, 109, 314-327	6
286	Nanoengineered Surfaces as a Tool Against Bacterial Biofilm Formation. **2021**, 117-132	
285	A New Promising Anti-Infective Agent Inhibits Biofilm Growth by Targeting Simultaneously a Conserved RNA Function That Controls Multiple Genes. **2021**, 10,	1
284	Antibiofilm activity of chitosan/epsilon-poly-L-lysine hydrogels in a porcine ex vivo skin wound polymicrobial biofilm model. **2021**, 29, 316-326	8
283	Cell Rupture and Morphogenesis Control of the Dimorphic Yeast by Nanostructured Surfaces. **2021**, 6, 1361-1369	3
282	Curbing gastrointestinal infections by defensin fragment modifications without harming commensal microbiota. **2021**, 4, 47	3
281	Leguminosae Lectins as Biological Tools in Medical Research: a Review. 64,	0
280	Nanoparticle Biosynthesis and Interaction with the Microbial Cell, Antimicrobial and Antibiofilm Effects, and Environmental Impact. **2021**, 371-405	1
279	Inhibition of Biofilm Formation by the Synergistic Action of EGCG-S and Antibiotics. **2021**, 10,	6
278	Antibiofilm Peptides: Relevant Preclinical Animal Infection Models and Translational Potential. **2021**, 4, 55-73	8
277	Dendrimer as antimicrobial agents. **2021**, 363-384	2
276	The recent progress on metal-organic frameworks for phototherapy. **2021**, 50, 5086-5125	96
275	Inhibition of Biofilm Formation. **2021**, 209-237	
274	Nanotechnological Therapeutic Strategies to Treat of Biofilm-Producing Gram-Positive and Gram-Negative Pathogenic Bacteria. **2021**,	
273	Antimicrobial photodynamic therapy (aPDT) for biofilm treatments. Possible synergy between aPDT and pulsed electric fields. **2021**, 12, 2247-2272	6

272	Three-dimensional biofilm colony growth supports a mutualism involving matrix and nutrient sharing. **2021**, 10,	3
271	Pathogens electrogenicity as a tool for in-situ metabolic activity monitoring and drug assessment in biofilms. **2021**, 24, 102068	2
270	Bacteriophage-Derived Depolymerases against Bacterial Biofilm. **2021**, 10,	17
269	Characterization of bacterial biofilm infections with Fourier transform infrared spectroscopy: a review. 1-29	3
268	Biofilm Formation, Chronic Infection, and Immunity Within the Intestine and Hepatobiliary Tract. **2020**, 10, 624622	9
267	Friends or enemies? The complicated relationship between Pseudomonas aeruginosa and Staphylococcus aureus. **2021**, 116, 1-15	7
266	The dental plaque biofilm matrix. **2021**, 86, 32-56	44
265	Correlation Between Biofilm-Formation and the Antibiotic Resistant Phenotype in Isolates: A Laboratory-Based Study in Hungary and a Review of the Literature. **2021**, 14, 1155-1168	29
264	Antimicrobial and antibiofilm activities of meropenem loaded-mesoporous silica nanoparticles against carbapenem-resistant. **2021**, 36, 605-612	2
263	Simultaneous Delivery of Multiple Antimicrobial Agents by Biphasic Scaffolds for Effective Treatment of Wound Biofilms. **2021**, 10, e2100135	5
262	In Vitro Antibacterial, Anti-Adhesive and Anti-Biofilm Activities of (Dombey) Burdet & B.B. Simpson Root Extract against Methicillin-Resistant Strains. **2021**, 10,	4
261	Mycobacterial biofilms as players in human infections: a review. **2021**, 37, 410-432	1
260	Microbes of the human eye: Microbiome, antimicrobial resistance and biofilm formation. **2021**, 205, 108476	2
259	Potential Application of Combined Therapy with Lectins as a Therapeutic Strategy for the Treatment of Bacterial Infections. **2021**, 10,	1
258	Antisense yycG modulates the susceptibility of Staphylococcus aureus to hydrogen peroxide via the sarA. **2021**, 21, 160	1
257	Novel antimicrobial ointment for infected wound healing in an in vitro and in vivo porcine model. **2021**, 29, 830-842	1
256	Diclofenac Resensitizes Methicillin-Resistant to -Lactams and Prevents Implant Infections. **2021**, 8, 2100681	5
255	-Nitroso--acetyl-l-cysteine Ethyl Ester (SNACET) Catheter Lock Solution to Reduce Catheter-Associated Infections. **2021**, 13, 25813-25824	3

254	Antibiofilm Activity of Extract and a Compound Isolated from against. **2021**, 2021, 9946183	2
253	Anticariogenic activities of Libidibia ferrea, gallic acid and ethyl gallate against Streptococcus mutans in biofilm model. **2021**, 274, 114059	3
252	Peptidomimetic Polyurethanes Inhibit Bacterial Biofilm Formation and Disrupt Surface Established Biofilms. **2021**,	21
251	An inside look at a biofilm: flagella biotracking. **2021**, 7,	2
250	Novel Plasmid-Borne Fimbriae-Associated Gene Cluster Participates in Biofilm Formation in. **2021**, 27, 1624-1632	0
249	Is Negative Pressure Wound Therapy with Instillation Suitable for the Treatment of Acute Periprosthetic Hip Joint Infection?. **2021**, 10,	0
248	Biofilm characteristics and transcriptomic analysis of Haemophilus parasuis. **2021**, 258, 109073	0
247	Bacteriophages as tools for biofilm biocontrol in different fields. **2021**, 37, 689-709	1
246	Experimental infection of Asian house geckos with Enterococcus lacertideformus demonstrates multiple disease transmission routes and the in-vivo efficacy of antibiotics. **2021**, 11, 13858	0
245	Essential Oil and Its Biological Activity as a Modern Food Preserver. **2021**, 10,	7
244	Evaluation of Biofilm Formation and Prevalence of Multidrug-Resistant Strains of Isolated from Neonates with Sepsis in Southern Poland. **2021**, 10,	0
243	Implant infections after breast reconstruction surgery following mastectomy: Experience from a Greek breast unit. **2022**, 41, 37-44	
242	Prevalence and Impact of Biofilms on Bloodstream and Urinary Tract Infections: A Systematic Review and Meta-Analysis. **2021**, 10,	9
241	sp.-A Treasure Trove of Weapons to Combat Methicillin-Resistant Biofilm Associated with Biomedical Devices. **2021**, 22,	2
240	Novel Antibacterial Modification of Polycarbonate for Increment Prototyping in Medicine. **2021**, 14,	0
239	Polymeric Nanoparticles Active against Dual-Species Bacterial Biofilms. **2021**, 26,	4
238	Biodegradable Poly(lactic acid) Stabilized Nanoemulsions for the Treatment of Multidrug-Resistant Bacterial Biofilms. **2021**, 13, 40325-40331	4
237	Stimuli-responsive nanocarriers for bacterial biofilm treatme. **2021**, 1-17	6

236	Evolution of biofilm-forming pathogenic bacteria in the presence of nanoparticles and antibiotic: adaptation phenomena and cross-resistance. **2021**, 19, 291	8
235	Effect of inertial acoustic cavitation on antibiotic efficacy in biofilms. **2021**, 42, 1397-1422	
234	Antibacterial and anti-biofilm activities of histidine kinase YycG inhibitors against Streptococcus agalactiae. **2021**, 74, 874-883	0
233	Determination of Antimicrobial and Antibiofilm Activity of Combined LVX and AMP Impregnated in p(HEMA) Hydrogel. **2021**, 11, 8345	5
232	Biofilm Formation and Its Role in Disease Pathogenesis: A Review. **2021**, 14, 3711-3719	15
231	Local Oral Delivery Agents with Anti-Biofilm Properties for the Treatment of Periodontitis and Peri-Implantitis. A Narrative Review. **2021**, 26,	2
230	Reduction of antibiotic-induced biofilm accumulation of Pseudomonas aeruginosa by quaternized phytoglycogen. **2021**, 73, 544-552	
229	Hybrid donor-acceptor polymer nanoparticles and combination antibiotic for mitigation of pathogenic bacteria and biofilms. **2021**, 190, 106328	1
228	Antibiotic tolerance in biofilm persister cells of Staphylococcus aureus and expression of toxin-antitoxin system genes. **2021**, 159, 105126	4
227	Bioguided isolation, identification and bioactivity evaluation of anti-MRSA constituents from Morus alba Linn. **2021**, 281, 114542	1
226	Human organoid biofilm model for assessing antibiofilm activity of novel agents. **2021**, 7, 8	11
225	Quorum Sensing. **2021**, 21-45	2
224	Nanozyme: a New Strategy Combating Bacterial. **2021**, 36, 257	0
223	Maipomycin A, a Novel Natural Compound With Promising Anti-biofilm Activity Against Gram-Negative Pathogenic Bacteria. **2020**, 11, 598024	6
222	Modern Methods in Microscopy for the Assessment of Biofilms. **2019**, 59-69	2
221	Mechanistic understanding of Phenyllactic acid mediated inhibition of quorum sensing and biofilm development in Pseudomonas aeruginosa. **2017**, 101, 8223-8236	40
220	Is combined medication with natural medicine a promising therapy for bacterial biofilm infection?. **2020**, 128, 110184	16
219	Sol-gel derived AgMgO films for antibacterial and bioactive surface modification of niobium metal. **2020**, 243, 122646	4

218	Effect of human placental extract in the management of biofilm mediated drug resistance - A focus on wound management. **2017**, 111, 307-315	12
217	Successful treatment of a unique chronic multi-bacterial scalp infection with -chlorotaurine, -bromotaurine and bromamine T. **2020**, 2, acmi000126	6
216	Microbiological and real-time mechanical analysis of Bacillus licheniformis and Pseudomonas fluorescens dual-species biofilm. **2019**, 165, 747-756	5
215	Biofilm inhibitor taurolithocholic acid alters colony morphology, specialized metabolism, and virulence ofPseudomonas aeruginosa.	1
214	Noninvasive in vivo optical coherence tomography tracking of chronic otitis media in pediatric subjects after surgical intervention. **2017**, 22, 1-11	28
213	Ethyl Pyruvate: An Anti-Microbial Agent that Selectively Targets Pathobionts and Biofilms. **2016**, 11, e0162919	8
212	Antibacterial activity of a DNA topoisomerase I inhibitor versus fluoroquinolones in Streptococcus pneumoniae. **2020**, 15, e0241780	3
211	Biofilm-coated microbeads and the mouse ear skin: An innovative model for analysing anti-biofilm immune response in vivo. **2020**, 15, e0243500	1
210	Current Research Approaches to Target Biofilm Infections. **2015**, 3, 36-49	13
209	Antifungal and anti-biofilm effect of the calcium channel blocker verapamil on non-albicans Candida species. **2020**, 92, e20200703	1
208	Antibiotics Application Strategies to Control Biofilm Formation in Pathogenic Bacteria. **2020**, 21, 270-286	11
207	In vitro synergy of antibiotic combinations against planktonic and biofilm Pseudomonas aeruginosa. **2017**, 12, Doc17	4
206	Novel Detection of Nasty Bugs, Prevention Is Better than Cure. **2020**, 22,	4
205	The Impact of Engineered Silver Nanomaterials on the Immune System. **2020**, 10,	18
204	Biofilm Microenvironment-Responsive Nanotheranostics for Dual-Mode Imaging and Hypoxia-Relief-Enhanced Photodynamic Therapy of Bacterial Infections. **2020**, 2020, 9426453	30
203	Comparative proteomic and genomic analyses of Brucella abortus biofilm and planktonic cells. **2020**, 21, 731-743	3
202	Relative presence of , , and in biofilm of complete dentures. **2018**, 18, 24-28	5
201	Anti-Quorum Sensing Natural Compounds. **2018**, 6, 1-10	106

200	Antibacterial and antibiofilm activities and synergism with florfenicol from the essential oils of Lippia sidoides and Cymbopogon citratus against Aeromonas hydrophila. **2021**,	3
199	Plant-derived nanotherapeutic systems to counter the overgrowing threat of resistant microbes and biofilms. **2021**, 179, 114019	2
198	Alternative Approaches for the Management of Diabetic Foot Ulcers. **2021**, 12, 747618	1
197	Fast bacterial growth reduces antibiotic accumulation and efficacy.	1
196	Reversal of Polymicrobial Biofilm Tolerance to Ciprofloxacin by Blue Light plus Carvacrol. **2021**, 9,	2
195	Near-Infrared Light-Triggered Bacterial Eradication Using a Nanowire Nanocomposite of Graphene Nanoribbons and Chitosan-Coated Silver Nanoparticles. **2021**, 9, 767847	1
194	Radioluminescence Imaging of Drug Elution from Biomedical Implants. 2106508	0
193	Overview of Genetic Background Beyond Polysaccharide Intercellular Adhesion Production in Staphylococcus epidermidis. **2016**, 10,	1
192	Influence Of Bacteriophage Drugs On The Process Filmformation Staphylococcus Aureus Strains. **2017**,	
191	Molecular Detection of Enterococcal Surface Protein (esp) Gene in Enterococcus faecalis Isolated from Dental Calculus of Patients in Sari, Iran. **2017**, 5, 21-25	0
190	Light assisted antibiotics.	
189	Biofilm Inhibition: Compounds with Antibacterial Effects. **2018**, 3, 234-238	
188	Phytochemical derivatives targeting fliJ flagellar protein from. **2018**, 14, 465-470	
187	FROM A COMMENSAL TO A PATHOGEN - TWO FACES OFSTAPHYLOCOCCUS EPIDERMIDIS. **2019**, 57, 338-348	1
186	STAPHYLOCOCCUS EPIDERMIDISAS A CAUSATIVE AGENTOF HEALTHCARE - ASSOCIATED INFECTIONS. **2019**, 57, 348-359	
185	Biofilm production and twitching and swarming motility of clinical isolates Acinetobacter baumannii. **2019**, 70, 28-33	
184	Strategies for the Eradication of Biofilm-Based Bacterial Infections. **2019**, 499-526	0
183	Anti-biofilm Activity of Graphene Quantum Dots via Self-Assembly with Bacterial Amyloid Proteins.	

182	Effects of biofilm formation in bacteria from different perspectives. **2019**, 6, 70-78	1
181	Pseudomonas aeruginosaincreases the sensitivity of biofilm-grownStaphylococcus aureusto membrane-targeting antiseptics and antibiotics.	
180	Baz-Bakteriyel Balk Patojenlerinde Biyofilm Oluumunun Farkl-Fi Vitro Metodlarla Tespiti. 378-390	1
179	Rutin, a Natural Inhibitor of IGPD Protein, Inhibits the Biofilm Formation inStaphylococcus xylosusATCC700404.	
178	Virulence potential of a multidrug-resistant Escherichia coli strain belonging to the emerging clonal group ST101-B1 isolated from bloodstream infection.	
177	Effects of a Dental Gel Over 6 Months on Periodontal Health in Subjects with Stage II and III (Mild and Moderate) Periodontitis. **2019**, 1,	0
176	Biofilm rupture by laser-induced stress waves increases with loading amplitude, independent of location.	2
175	Evaluation of Biofilm Formation and Anti-biofilm Properties of Peganum Harmala and Crocus Sativus in Shigella Flexneri Clinical Isolates. **2019**, 13, 297-300	0
174	A Consideration of Antibacterial Agent Efficacies in the Treatment and Prevention of Formation of Staphylococcus aureus Biofilm. 167-172	0
173	An inside look at a biofilm: Pseudomonas aeruginosa flagella bio-tracking.	
172	Antibacterial Sonodynamic Therapy: Current Status and Future Perspectives. **2021**,	3
171	Nisin-based coatings for the prevention of biofilm formation: Surface characterization and antimicrobial assessments. **2021**, 27, 101564	0
170	ZnO/CdS Nanocomposite: An Anti-Microbial and Anti-Biofilm Agent. **2020**, 10, 166-179	1
169	Evaluation of Viable Cells in Biofilmsby Colony Count and Live/Dead Staining. **2020**, 10, e3762	0
168	Nanoemulsions for Antimicrobial and Anti-biofilm Applications. **2020**, 347-373	2
167	Combining loop-mediated isothermal amplification and nanozyme-strip for ultrasensitive and rapid detection of viable Listeria monocytogenes cells and biofilms. **2022**, 154, 112641	2
166	Probiotic Bacteria Used in Food: A Novel Class of Antibiofilm Agent. **2020**, 25-35	2
165	Understanding the Biological Activities of Nanoparticles Using Murine Models. **2020**, 217-241	

164	Green and Chemical Silver Nanoparticles and Pomegranate Formulations to Heal Infected Wounds in Diabetic Rats. **2021**, 10,	0
163	Identification and characterization of spp. and their susceptibility to insect apolipophorin III. **2020**, 15, 1015-1032	1
162	Three-dimensional biofilm growth supports a mutualism involving matrix and nutrient sharing.	
161	Eradication of methicillin resistant biofilm by the combined use of fosfomycin and Ɛchloro-L-alanine. **2017**, 9, 1-10	4
160	Combination effects of baicalin with levofloxacin against biofilm-related infections. **2019**, 11, 1270-1281	1
159	Effect of Imipenem, Fosfomycin, Colistin, and Gentamicin Combination against Carbapenem-resistant and Biofilm-forming Isolated from Burn Patients. **2021**, 20, 286-296	0
158	Prediction of qualitative antibiofilm activity of antibiotics using supervised machine learning techniques. **2021**, 140, 105065	1
157	Infected Facial Tissue Fillers Caused by Dental Infection. **2021**, 2021, 8661995	0
156	Polyelectrolyte Nanocomplex Formation Combined with Electrostatic Self-Assembly Enables the Co-Delivery of Synergistic Antimicrobials to Treat Bacterial Biofilms.	0
155	Current and Novel Diagnostics for Orthopedic Implant Biofilm Infections: A Review. **2021**, 130, 59	1
154	Potential of Plant Secondary Metabolites-Derived Polymers to Enhance Wound Healing.	
153	The Inhibition Effect of Linezolid With Reyanning Mixture on MRSA and its Biofilm is More Significant than That of Linezolid Alone.. **2021**, 12, 766309	
152	Anti-Coagulant and Antimicrobial Recombinant Heparin-Binding Major Ampullate Spidroin 2 (MaSp2) Silk Protein.. **2022**, 9,	0
151	Potential Mechanisms of Quercetin Influence the ClfB Protein During Biofilm Formation of .. **2022**, 13, 825489	0
150	Erdosteine enhances antibiotic activity against bacteria within biofilm.. **2022**, 106529	1
149	Biofilm and Small Colony Variants-An Update on Strategies toward Drug Resistance.. **2022**, 23,	1
148	Bacterial biofilm infections, their resistance to antibiotics therapy and current treatment strategies.. **2022**,	7
147	Synergistic effect of antibiotic combinations on biofilms and their persister cell populations.. **2022**, 4, 100068	1

146	Quorum sensing inhibitors applications: A new prospect for mitigation of microbiologically influenced corrosion.. **2022**, 145, 108050	3
145	Thymbra capitata essential oil has a significant antimicrobial activity against methicillin-resistant Staphylococcus aureus pre-formed biofilms.. **2022**,	1
144	The Two Weapons against Bacterial Biofilms: Detection and Treatment.. **2021**, 10,	3
143	Emerging nanotechnologies for targeting antimicrobial resistance.. **2022**,	1
142	Recent Strategies to Combat Biofilms Using Antimicrobial Agents and Therapeutic Approaches.. **2022**, 11,	2
141	Light Triggered Enhancement of Antibiotic Efficacy in Biofilm Elimination Mediated by Gold-Silver Alloy Nanoparticles.. **2022**, 13, 841124	0
140	Effects of intra-articular D-amino acids combined with systemic vancomycin on an experimental Staphylococcus aureus-induced periprosthetic joint infection.. **2022**,	0
139	Effects of Glucose and Temperature on Exopolysaccharides, Extracellular Matrix Proteins Production and Biofilm Formation of Carbapenem- Resistant Acinetobacter baumannii. **2022**, 16, 155-164	1
138	Plasma bioscience for medicine, agriculture and hygiene applications.. **2022**, 1-35	4
137	Targeting Microbial Bio-film: an Update on MDR Gram-Negative Bio-film Producers Causing Catheter-Associated Urinary Tract Infections.. **2022**, 1	
136	CPD article: Biofilms and surgical site infections. **2022**, 27, 40-46	1
135	Biofilm Formation by Pathogenic Bacteria: Applying a Model to Appraise Potential Targets for Therapeutic Intervention.. **2022**, 11,	2
134	Nanomaterials-based drug delivery approaches for wound healing.. **2022**,	0
133	Biofilm through the Looking Glass: A Microbial Food Safety Perspective.. **2022**, 11,	5
132	Molecular Epidemiology of Hypervirulent K. pneumoniae and Problems of Health-Care Associated Infections.. **2022**, 172, 507	1
131	Hurdle technology using encapsulated enzymes and essential oils to fight bacterial biofilms.. **2022**, 106, 2311	1
130	Bacterial biofilm eradication and combating strategies. 22-36	
129	Antimicrobial Peptides as an Alternative for the Eradication of Bacterial Biofilms of Multi-Drug Resistant Bacteria.. **2022**, 14,	2

128	Transcriptomic Response of Human Nosocomial Pathogen Pseudomonas aeruginosa Biofilms Following Continuous Exposure to Antibiotic-Impregnated Catheters. **2022**, 7, 35	
127	Bioinspired Polydopamine Coatings Facilitate Attachment of Antimicrobial Peptidomimetics with Broad-Spectrum Antibacterial Activity.. **2022**, 23,	1
126	Application of Nanomaterials in the Prevention, Detection, and Treatment of Methicillin-Resistant (MRSA).. **2022**, 14,	1
125	Bacteriophage-Mediated Control of Biofilm: A Promising New Dawn for the Future.. **2022**, 13, 825828	3
124	Copper loaded ureteral stent reduces encrustation. **2021**,	
123	Characterization of a novel, biofilm dispersing, lytic bacteriophage against drug-resistant Enterobacter cloacae.. **2021**,	0
122	Assessment of the performance of nonfouling polymer hydrogels utilizing citizen scientists.. **2021**, 16, e0261817	
121	Evaluating the effect of cationic peptide K16ApoE against Staphylococcus epidermidis biofilms. **2022**, 52, 139-149	1
120	Organo-selenium containing dental sealant inhibits biofilm formation by oral bacteria.. **2022**,	1
119	Antibiotic resistance pattern of Klebsiella pneumoniae a major problem for society. 4699-4712	
118	Image_1.pdf. **2020**,	
117	Data_Sheet_1.docx. **2019**,	
116	DataSheet_1.pdf. **2020**,	
115	Image_1.tif. **2020**,	
114	Image_2.tif. **2020**,	
113	Image_1.PNG. **2019**,	
112	Image_2.JPEG. **2019**,	
111	Image_3.PNG. **2019**,	

110	Table_1.xlsx. **2019**,	
109	Table_2.XLSX. **2019**,	
108	Table_3.XLSX. **2019**,	
107	Table_4.XLSX. **2019**,	
106	Table_5.XLSX. **2019**,	
105	Table_6.XLSX. **2019**,	
104	Table1.xlsx. **2018**,	
103	Data_Sheet_1.docx. **2018**,	
102	Phenotypic, Antibiotyping, and Molecular Detection of Isolates from Clinical Specimens in Kirkuk, Iraq.. **2021**, 76, 1061-1067	0
101	Environmental Biofilms as Reservoir of Antibiotic Resistance and Hotspot for Genetic Exchange in Bacteria. **2022**, 237-265	
100	Evaluation of biological activities of quinone-4-oxoquinoline derivatives against pathogens of clinical importance.. **2022**,	
99	Drug resistance profile of biofilm forming Pseudomonas aeruginosa isolated from aquatic environment in South Eastern Nigeria. **2022**, 8, 100530	0
98	Antimicrobial Resistance in Ocular Bacteria. **2022**, 101-145	
97	A critical analysis on the roles of exopolysaccharides and ACC deaminase in salinity stress tolerance in crop plants. **2022**, 42, 102372	
96	Guar gum propionate-kojic acid films for Escherichia coli biofilm disruption and simultaneous inhibition of planktonic growth.. **2022**, 211, 57-73	1
95	Addressing Antibiotic FailureBeyond Genetically Encoded Antimicrobial Resistance. **2022**, 2,	0
94	Natural Products as Antibiofilm Agents.	1
93	Potential of plant secondary metabolite-based polymers to enhance wound healing. **2022**,	0

92	MDR Pumps as Crossroads of Resistance: Antibiotics and Bacteriophages. **2022**, 11, 734	0
91	Malassezia virulence factors and their role in dermatological disorders. **2022**, 31,	
90	Novel Bacteriophage Specific against Staphylococcus epidermidis and with Antibiofilm Activity. **2022**, 14, 1340	0
89	Derma-like antibacterial polysaccharide gel dressings for wound care. **2022**,	1
88	Fast bacterial growth reduces antibiotic accumulation and efficacy. 11,	2
87	Investigation of the effects of antimicrobial and anti-biofilm peptide IDR1018 and chitosan nanoparticles on ciprofloxacin-resistant Escherichia coli.	
86	Microbially-derived cocktail of carbohydrases as an anti-biofouling agents: a □green approach□1-27	1
85	Nano-targeted drug delivery approaches for biofilm-associated infections. **2022**, 97-138	
84	Biofilm control on metallic materials in medical fields from the viewpoint of materials science □ from the fundamental aspects to evaluation. 1-25	0
83	Cinnamomum: The New Therapeutic Agents for Inhibition of Bacterial and Fungal Biofilm-Associated Infection. 12,	1
82	Persistence of Staphylococcus spp. in milk from cows undergoing homeopathy to control subclinical mastitis. **2022**, 18,	0
81	Antibacterial and antibiofilm activity of polyfunctional benzimidazole derivatives. **2022**, 7, 134-141	
80	An Overview of Biofilm Formation□Combating Strategies and Mechanisms of Action of Antibiofilm Agents. **2022**, 12, 1110	3
79	Effects of antibiotic treatment and phagocyte infiltration on development of Pseudomonas aeruginosa biofilm□nsights from the application of a novel PF hydrogel model in vitro and in vivo. 12,	
78	Carvacrol inhibits Streptococcus pyogenes biofilms by suppressing the expression of genes associated with quorum-sensing and reducing cell surface hydrophobicity. **2022**, 169, 105684	0
77	Mode of action of elasnin as biofilm formation eradicator of methicillin-resistant Staphylococcus aureus. 13,	0
76	Treatment of Pseudomonas aeruginosa infectious biofilms: Challenges and strategies. 13,	0
75	□argeting□the Search: An Upgraded Structural and Functional Repository of Antimicrobial Peptides for Biofilm Studies (B-AMP v2.0) with a Focus on Biofilm Protein Targets.	

74	Functionalized Self-Assembled Monolayers: Versatile Strategies to Combat Bacterial Biofilm Formation. **2022**, 14, 1613	0
73	Gallium-Based Liquid Metal Materials for Antimicrobial Applications. **2022**, 9, 416	0
72	Enzymatic Dispersion of Biofilms: An Emerging Biocatalytic Avenue to Combat Biofilm-Mediated Microbial Infections. **2022**, 102352	2
71	Assessment of the antioxidant, antimicrobial and antibiofilm activities of essential oils for potential application of active chitosan films in food preservation. **2022**, 38,	0
70	Out of control: The need for standardised solvent approaches and data reporting in antibiofilm assays incorporating dimethyl-sulfoxide (DMSO). **2022**, 4, 100081	
69	Ultrasound-Enhanced Antibacterial Activity of Polymeric Nanoparticles for Eradicating Bacterial Biofilms. 2201060	2
68	The Action of Phytochemicals in the Control of Pathogenic Biofilms. **2022**, 371-398	0
67	Host Defense Peptides: Multifront Attack on Biofilms. **2022**, 299-323	0
66	Clinical Translation of Biofilm Dispersal Agents. **2022**, 127-157	0
65	Probiotics Action Against Biofilms. **2022**, 99-125	0
64	Biofabrication and characterization of multispecies electroactive biofilms in stratified paper-based scaffolds. **2022**, 147, 4082-4091	1
63	Three New Xanthones from Hypericum scabrum and Their Quorum Sensing Inhibitory Activities against Chromobacterium violaceum. **2022**, 27, 5519	0
62	Sucrose-mediated formation and adhesion strength of Streptococcus mutans biofilms on titanium.	0
61	Breaching Bacterial Biofilm Barriers: Efficient Combinatorial Theranostics for Multidrug-Resistant Bacterial Biofilms with a Novel Penetration-Enhanced AIEgen Probe. **2022**, 14, 41671-41683	1
60	Treatment of periprosthetic joint infections guided by minimum biofilm eradication concentration (MBEC) in addition to minimum inhibitory concentration (MIC): protocol for a prospective randomised clinical trial. **2022**, 12, e058168	0
59	The Role of Staphylococcal Biofilm on the Surface of Implants in Orthopedic Infection. **2022**, 10, 1909	1
58	Antibacterial and antibiofilm activities of fosfomycin combined with rifampin against carbapenem-resistant Pseudomonas aeruginosa.	0
57	Antibacterial Adhesion Strategy for Dental Titanium Implant Surfaces: From Mechanisms to Application. **2022**, 13, 169	2

56	Rapid methicillin resistance detection and subspecies discrimination in Staphylococcus hominis clinical isolates by MALDI-TOF MS. **2022**,	0
55	Controllable deposition of Ag nanoparticles on various substrates via interfacial polyphenol reduction strategy for antibacterial application. **2022**, 655, 130287	0
54	Mixed Populations and Co-Infection: Pseudomonas aeruginosa and Staphylococcus aureus. **2022**, 397-424	0
53	Comparative Study of Antibacterial, Antibiofilm, Antiswarming and Antiquorum Sensing Activities of Origanum vulgare Essential Oil and Terpinene-4-ol against Pathogenic Bacteria. **2022**, 12, 1616	0
52	Filamentous fungal biofilms: Conserved and unique aspects of extracellular matrix composition, mechanisms of drug resistance and regulatory networks in Aspergillus fumigatus. **2022**, 8,	0
51	'Targeting' the search: An upgraded structural and functional repository of antimicrobial peptides for biofilm studies (B-AMP v2.0) with a focus on biofilm protein targets. 12,	1
50	Targeted Anti-Biofilm Therapy: Dissecting Targets in the Biofilm Life Cycle. **2022**, 15, 1253	1
49	Antimicrobial and Antivirulence Activities of Carvacrol against Pathogenic Aeromonas hydrophila. **2022**, 10, 2170	0
48	Preparation of rutin-loaded mesoporous silica nanoparticles and evaluation of its physicochemical, anticancer, and antibacterial properties.	0
47	Arginine replacement of histidine on temporin-GHa enhances the antimicrobial and antibiofilm efficacy against Staphylococcus aureus.	0
46	Recent advances on the regulation of bacterial biofilm formation by herbal medicines. 13,	0
45	Anti-biofilm activity of caffeine against uropathogenic E. coli is mediated by curli biogenesis. **2022**, 12,	0
44	Protein corona mediated liposomal drug delivery for bacterial infection management. **2022**,	0
43	Biofilms and Benign Colonic Diseases. **2022**, 23, 14259	1
42	Development of a new indole derivative dry powder for inhalation for the treatment of biofilm-associated lung infections. **2023**, 631, 122492	0
41	The anti-platelet drug ticlopidine inhibits FapC fibrillation and biofilm production: Highlighting its antibiotic activity. **2023**, 1871, 140883	0
40	Non-invasive biomedical sensors for early detection and monitoring of bacterial biofilm growth at the point of care. **2022**, 22, 4758-4773	0
39	Interactions Between Surface Material and Bacteria: From Biofilm Formation to Suppression. **2023**, 283-335	0

38	Increasing the Efficacy of Treatment of Staphylococcus aureus□Candida albicans Mixed Infections with Myrtenol. **2022**, 11, 1743	1
37	Current Advances and Applications of Tantalum Element in Infected Bone Defects.	0
36	Combination of 2- tert -Butyl-1,4-Benzoquinone (TBQ) and ZnO Nanoparticles, a New Strategy To Inhibit Biofilm Formation and Virulence Factors of Chromobacterium violaceum.	0
35	On the Photo-Eradication of Methicillin-Resistant Staphylococcus aureus Biofilm Using Methylene Blue. **2023**, 24, 791	1
34	Antimicrobial Treatment of Staphylococcus aureus Biofilms. **2023**, 12, 87	2
33	Host Defense Peptide Mimicking □Peptide Polymer Acting as a Dual-Modal Antibacterial Agent by Interfering Quorum Sensing and Killing Individual Bacteria Simultaneously.	0
32	Physical Approaches to Prevent and Treat Bacterial Biofilm. **2023**, 12, 54	0
31	Antibiotic Resistance and Biofilm Formation in Enterococcus spp. Isolated from Urinary Tract Infections. **2023**, 12, 34	1
30	Characterization of functional amyloid curli in biofilm formation of an environmental isolate Enterobacter cloacae SBP-8.	0
29	Multidrug resistance pumps as a keystone of bacterial resistance. **2023**, 77, 215-223	0
28	Aspects of biofilms on medical devices. **2023**, 91-105	0
27	Codelivery of synergistic antimicrobials with polyelectrolyte nanocomplexes to treat bacterial biofilms and lung infections. **2023**, 9,	0
26	Pathogenic biofilms in environment and industrial setups and impact on human health. **2023**, 587-604	0
25	Role of Biosurfactants in Biofilm Prevention and Disruption. **2023**, 481-501	0
24	Horizontal Gene Transfer of Antibiotic Resistance Genes in Biofilms. **2023**, 12, 328	2
23	Antibiotic Resistance and Biofilm Infections in the NICUs and Methods to Combat It. **2023**, 12, 352	0
22	Antimicrobial Peptide Nanoparticle-Based Microneedle Patches for the Treatment of Bacteria-Infected Wounds.	0
21	Staphylococcus aureusbiofilm secreted factors cause mucosal damage, mast cell infiltration and goblet cell hyperplasia in a rat rhinosinusitis model.	0

20	Understanding bacterial biofilms: From definition to treatment strategies. 13,	0
19	Deciphering the antibiofilm potential of 2-Phenylethyl methyl ether (PEME), a bioactive compound of Kewda essential oil against Staphylococcus aureus. **2023**, 179, 106093	0
18	A review on the contamination caused by bacterial biofilms and its remediation. **2022**, 105-125	0
17	Collagen hydrogel with multiple antimicrobial mechanisms as anti-bacterial wound dressing. **2023**, 232, 123413	2
16	Nanomaterials and Coatings for Managing Antibiotic-Resistant Biofilms. **2023**, 12, 310	0
15	Development and Evaluation of Bacteriophage Cocktail to Eradicate Biofilms Formed by an Extensively Drug-Resistant (XDR) Pseudomonas aeruginosa. **2023**, 15, 427	0
14	Preferential disruption of E. coli biofilm via ratiometric detection and targeting of extracellular matrix using graphene-oxide-conjugated red-emitting fluorescent copper nanoclusters. **2023**, 10, 1077-1095	0
13	Action of crude ethanol extract of Hymenaea martiana leaf, gallic acid, and polypyrrole (PPy) against Aeromonas hydrophila.	0
12	Multidrug Resistance Pumps as a Keystone of Bacterial Resistance. **2022**, 77, 193-200	0
11	Recent advances in the treatment of biofilms induced surgical site infections. **2023**, 109, 65-67	0
10	In Vitro Models of Bacterial Biofilms: Innovative Tools to Improve Understanding and Treatment of Infections. **2023**, 13, 904	0
9	The role of nanocomposites against biofilm infections in humans. 13,	0
8	The Rationale Use of Antimicrobials in Septic Surgical Patients. **2023**, 579-594	0
7	Antibacterial and biofilm-inhibitory effects of vancomycin-loaded mesoporous silica nanoparticles on methicillin-resistant staphylococcus aureus and gram-negative bacteria. **2023**, 205,	0
6	Promising applications of D-amino acids in periprosthetic joint infection. **2023**, 11,	0
5	Antibacterial and Antibiofilm Activities of □-Lapachone by Modulating the Catalase Enzyme. **2023**, 12, 576	0
4	Biofilm inhibiting phytometabolites. **2023**, 161-174	0
3	Evaluation of the Effect of Antibiotics and Splints on the Result of Septal Mucosal Culture After Septoplasty.	0

2	Craniofacial therapy: advanced local therapies from nano-engineered titanium implants to treat craniofacial conditions. **2023**, 15,	0
1	Defensins of Lucilia sericata Larvae and Their Influence on Wound Repair Processes in Practical Assessment—A Study of Three Cases. **2023**, 20, 5357	0