Robert E Hancock

List of Publications by Year
in descending order

245 papers	18,553 citations	17440 63 h-index	15732 125 g-index
250 all docs	250 docs citations	250 times ranked	23088 citing authors

#	Article	IF	Citations
1	Allelic variants of a potato HEAT SHOCK COGNATE 70 gene confer improved tuber yield under a wide range of environmental conditions. Food and Energy Security, 2023, 12, .	4.3	5
2	Biofortification of common bean (Phaseolus vulgaris L.) with iron and zinc: Achievements and challenges. Food and Energy Security, 2023, 12, .	4.3	10
3	Predicting sepsis severity at first clinical presentation: The role of endotypes and mechanistic signatures. EBioMedicine, 2022, 75, 103776.	6.1	74
4	Gut microbes shape microglia and cognitive function during malnutrition. Glia, 2022, 70, 820-841.	4.9	6
5	Antibiofilm and immunomodulatory resorbable nanofibrous filing for dental pulp regenerative procedures. Bioactive Materials, 2022, 16, 173-186.	15.6	13
6	WHIRLY1 functions in the nucleus to regulate barley leaf development and associated metabolite profiles. Biochemical Journal, 2022, 479, 641-659.	3.7	2
7	Targeting the Pseudomonas aeruginosa Virulence Factor Phospholipase C With Engineered Liposomes. Frontiers in Microbiology, 2022, 13, 867449.	3.5	2
8	Assessing the In Vivo Effectiveness of Cationic Lipid Nanoparticles with a Triple Adjuvant for Intranasal Vaccination against the Respiratory Pathogen Bordetella pertussis. Molecular Pharmaceutics, 2022, 19, 1814-1824.	4.6	5
9	Antimicrobial properties of spray-dried cellulose nanocrystals and metal oxide-based nanoparticles-in-microspheres. Chemical Engineering Journal Advances, 2022, 10, 100273.	5.2	14
10	Iron and zinc bioavailability in common bean (Phaseolus vulgaris) is dependent on chemical composition and cooking method. Food Chemistry, 2022, 387, 132900.	8.2	8
11	Competition between Pseudomonas aeruginosa and Staphylococcus aureus is dependent on intercellular signaling and regulated by the NtrBC two-component system. Scientific Reports, 2022, 12, .	3.3	6
12	SPECT/CT Imaging of ¹¹¹Ag for the Preclinical Evaluation of Silver-Based Antimicrobial Nanomedicines. ACS Applied Materials & Interfaces, 2022, 14, 26382-26393.	8.0	5
13	The Small RNAs PA2952.1 and PrrH as Regulators of Virulence, Motility, and Iron Metabolism in Pseudomonas aeruginosa. Applied and Environmental Microbiology, 2021, 87, .	3.1	9
14	Ivacaftor or lumacaftor/ivacaftor treatment does not alter the core CF airway epithelial gene response to rhinovirus. Journal of Cystic Fibrosis, 2021, 20, 97-105.	0.7	6
15	The impact of home storage conditions on the accumulation of acrylamide precursors in potato tubers. Annals of Applied Biology, 2021, 178, 304-314.	2.5	2
16	Recovery of Oral InÂVitro Biofilms after Exposure to Peptides and Chlorhexidine. Journal of Endodontics, 2021, 47, 466-471.	3.1	7
17	Temporal physiological response of pine to Fusarium circinatum infection is dependent on host susceptibility level: the role of ABA catabolism. Tree Physiology, 2021, 41, 801-816.	3.1	8
18	Reflective mulch increases fruit yield of highbush blueberry (Vaccinium corymbosum L. cv. Darrow) grown in a northern maritime environment while maintaining key fruit quality traits. Journal of the Science of Food and Agriculture, 2021, 101, 3376-3385.	3.5	5

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19	Antibiofilm peptides: overcoming biofilm-related treatment failure. RSC Advances, 2021, 11, 2718-2728.	3.6	28
20	Selfâ€Limiting Mussel Inspired Thin Antifouling Coating with Broadâ€Spectrum Resistance to Biofilm Formation to Prevent Catheterâ€Associated Infection in Mouse and Porcine Models. Advanced Healthcare Materials, 2021, 10, e2001573.	7.6	22
21	Toward the Design of Potato Tolerant to Abiotic Stress. Methods in Molecular Biology, 2021, 2354, 387-399.	0.9	3
22	Different Disease Endotypes in Phenotypically Similar Vasculitides Affecting Small-to-Medium Sized Blood Vessels. Frontiers in Immunology, 2021, 12, 638571.	4.8	7
23	Rapid microwave-based method for the preparation of antimicrobial lignin-capped silver nanoparticles active against multidrug-resistant bacteria. International Journal of Pharmaceutics, 2021, 596, 120299.	5.2	8
24	Peptide 1018 inhibits swarming and influences Anr-regulated gene expression downstream of the stringent stress response in Pseudomonas aeruginosa. PLoS ONE, 2021, 16, e0250977.	2.5	3
25	Microtiter plate assays to assess antibiofilm activity against bacteria. Nature Protocols, 2021, 16, 2615-2632.	12.0	58
26	An Overview of Biological and Computational Methods for Designing Mechanism-Informed Anti-biofilm Agents. Frontiers in Microbiology, 2021, 12, 640787.	3.5	25
27	Assessing biofilm inhibition and immunomodulatory activity of small amounts of synthetic host defense peptides synthesized using SPOT-array technology. Nature Protocols, 2021, 16, 1850-1870.	12.0	5
28	Combining QTL Mapping and Gene Expression Analysis to Elucidate the Genetic Control of â€˜Crumblyâ€™ Fruit in Red Raspberry (Rubus idaeus L.). Agronomy, 2021, 11, 794.	3.0	5
29	Antibiofilm activity of host defence peptides: complexity provides opportunities. Nature Reviews Microbiology, 2021, 19, 786-797.	28.6	129
30	Rapid Assembly of Infection-Resistant Coatings: Screening and Identification of Antimicrobial Peptides Works in Cooperation with an Antifouling Background. ACS Applied Materials & Interfaces, 2021, 13, 36784-36799.	8.0	21
31	Testing physiologically relevant conditions in minimal inhibitory concentration assays. Nature Protocols, 2021, 16, 3761-3774.	12.0	28
32	RNase III and RNase E Influence Posttranscriptional Regulatory Networks Involved in Virulence Factor Production, Metabolism, and Regulatory RNA Processing in Bordetella pertussis. MSphere, 2021, 6, e0065021.	2.9	3
33	Journal of Experimental Botany 70th anniversary: plant metabolism in a changing world. Journal of Experimental Botany, 2021, 72, 5939-5941.	4.8	0
34	Enzymatically releasable polyethylene glycol â€“ host defense peptide conjugates with improved activity and biocompatibility. Journal of Controlled Release, 2021, 339, 220-231.	9.9	8
35	Senescent sweetening in potato (Solanum tuberosum) tubers is associated with a reduction in plastidial glucose-6-phosphate/phosphate translocator transcripts. Postharvest Biology and Technology, 2021, 181, 111637.	6.0	5
36	Human organoid biofilm model for assessing antibiofilm activity of novel agents. Npj Biofilms and Microbiomes, 2021, 7, 8.	6.4	33

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37	Contribution of Swarming Motility to Dissemination in a Pseudomonas aeruginosa Murine Skin Abscess Infection Model. Journal of Infectious Diseases, 2021, 224, 726-733.	4.0	16
38	Host Defense Peptide-Mimicking Polymers and Polymeric-Brush-Tethered Host Defense Peptides: Recent Developments, Limitations, and Potential Success. Pharmaceutics, 2021, 13, 1820.	4.5	16
39	Multifunctional Antibioticâ€“Host Defense Peptide Conjugate Kills Bacteria, Eradicates Biofilms, and Modulates the Innate Immune Response. Journal of Medicinal Chemistry, 2021, 64, 16854-16863.	6.4	18
40	Vitamin C in Plants: Novel Concepts, New Perspectives, and Outstanding Issues. Antioxidants and Redox Signaling, 2020, 32, 463-485.	5.4	84
41	Exploring the pathophysiology of post-sepsis syndrome to identify therapeutic opportunities. EBioMedicine, 2020, 61, 103044.	6.1	42
42	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. Frontiers in Immunology, 2020, 11, 580373.	4.8	28
43	Cyclic Derivative of Host-Defense Peptide IDR-1018 Improves Proteolytic Stability, Suppresses Inflammation, and Enhances In Vivo Activity. Journal of Medicinal Chemistry, 2020, 63, 9228-9236.	6.4	39
44	The Stringent Stress Response Controls Proteases and Global Regulators under Optimal Growth Conditions in Pseudomonas aeruginosa. MSystems, 2020, 5, .	3.8	23
45	Effect of phosphorus supply on root traits of two Brassica oleracea L. genotypes. BMC Plant Biology, 2020, 20, 368.	3.6	15
46	Systems Biology Approaches to Understanding the Human Immune System. Frontiers in Immunology, 2020, 11, 1683.	4.8	23
47	Host Defense Peptide-Mimicking Amphiphilic Î²-Peptide Polymer (Bu:DM) Exhibiting Anti-Biofilm, Immunomodulatory, and in Vivo Anti-Infective Activity. Journal of Medicinal Chemistry, 2020, 63, 12921-12928.	6.4	25
48	MDA-MB-231 Breast Cancer Cells Resistant to Pleurocidin-Family Lytic Peptides Are Chemosensitive and Exhibit Reduced Tumor-Forming Capacity. Biomolecules, 2020, 10, 1220.	4.0	7
49	Mechanistic Understanding Enables the Rational Design of Salicylanilide Combination Therapies for Gram-Negative Infections. MBio, 2020, 11, .	4.1	28
50	A novel mouse model of chronic suppurative otitis media and its use in preclinical antibiotic evaluation. Science Advances, 2020, 6, eabc1828.	10.3	14
51	Molecular dynamics simulations informed by membrane lipidomics reveal the structureâ€“interaction relationship of polymyxins with the lipid A-based outer membrane of Acinetobacter baumannii. Journal of Antimicrobial Chemotherapy, 2020, 75, 3534-3543.	3.0	25
52	Preparing for Life: Plasma Proteome Changes and Immune System Development During the First Week of Human Life. Frontiers in Immunology, 2020, 11, 578505.	4.8	23
53	Multi-Omic Data Integration Allows Baseline Immune Signatures to Predict Hepatitis B Vaccine Response in a Small Cohort. Frontiers in Immunology, 2020, 11, 578801.	4.8	20
54	Identification of novel targets of azithromycin activity against Pseudomonas aeruginosa grown in physiologically relevant media. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33519-33529.	7.1	32

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55	Multidrug Adaptive Resistance of Pseudomonas aeruginosa Swarming Cells. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	30
56	Bacterial Aggregation Triggered by Fibril Forming Tryptophan-Rich Sequences: Effects of Peptide Side Chain and Membrane Phospholipids. ACS Applied Materials & Interfaces, 2020, 12, 26852-26867.	8.0	22
57	Clinical Protocol for a Longitudinal Cohort Study Employing Systems Biology to Identify Markers of Vaccine Immunogenicity in Newborn Infants in The Gambia and Papua New Guinea. Frontiers in Pediatrics, 2020, 8, 197.	1.9	12
58	In Vitro and In Vivo Antibiotic Capacity of Two Host Defense Peptides. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	9
59	Whole blood transcriptional responses of very preterm infants during late-onset sepsis. PLoS ONE, 2020, 15, e0233841.	2.5	17
60	Utilizing Organoid and Air-Liquid Interface Models as a Screening Method in the Development of New Host Defense Peptides. Frontiers in Cellular and Infection Microbiology, 2020, 10, 228.	3.9	31
61	Insights into the mechanism of action of two analogues of aurein 2.2. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183262.	2.6	14
62	Surfing motility is a complex adaptation dependent on the stringent stress response in Pseudomonas aeruginosa LESB58. PLoS Pathogens, 2020, 16, e1008444.	4.7	16
63	Photosynthetic plasticity allows blueberry (Vaccinium corymbosum L.) plants to compensate for yield loss under conditions of high sink demand. Environmental and Experimental Botany, 2020, 174, 104031.	4.2	9
64	MetaBridge: An Integrative Multiâ€Omics Tool for Metaboliteâ€Enzyme Mapping. Current Protocols in Bioinformatics, 2020, 70, e98.	25.8	8
65	Physiological, Biochemical, and Transcriptional Responses to Single and Combined Abiotic Stress in Stress-Tolerant and Stress-Sensitive Potato Genotypes. Frontiers in Plant Science, 2020, 11, 169.	3.6	79
66	The value of antimicrobial peptides in the age of resistance. Lancet Infectious Diseases, The, 2020, 20, e216-e230.	9.1	573
67	Quantitative trait loci mapping of polyphenol metabolites in blackcurrant (Ribes nigrum L.). Metabolomics, 2020, 16, 25.	3.0	6
68	AB569, a nontoxic chemical tandem that kills major human pathogenic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4921-4930.	7.1	6
69	Selective anticancer activity of synthetic peptides derived from the host defence peptide tritrpticin. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183228.	2.6	20
70	Overexpression of the Small RNA PA0805.1 in Pseudomonas aeruginosa Modulates the Expression of a Large Set of Genes and Proteins, Resulting in Altered Motility, Cytotoxicity, and Tobramycin Resistance. MSystems, 2020, 5, .	3.8	13
71	A Bovine Enteric Infection Model to Analyze Parenteral Vaccine-Induced Mucosal Immunity and Accelerate Vaccine Discovery. Frontiers in Immunology, 2020, 11, 586659.	4.8	0
72	Whole blood transcriptional responses of very preterm infants during late-onset sepsis. , 2020, 15, e0233841.		0

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73	Whole blood transcriptional responses of very preterm infants during late-onset sepsis. , 2020, 15, e0233841.		0
74	Whole blood transcriptional responses of very preterm infants during late-onset sepsis. , 2020, 15, e0233841.		0
75	Whole blood transcriptional responses of very preterm infants during late-onset sepsis. , 2020, 15, e0233841.		0
76	Title is missing!. , 2020, 16, e1008444.		0
77	Title is missing!. , 2020, 16, e1008444.		0
78	Title is missing!. , 2020, 16, e1008444.		0
79	Title is missing!. , 2020, 16, e1008444.		0
80	Title is missing!. , 2020, 16, e1008444.		0
81	Title is missing!. , 2020, 16, e1008444.		0
82	Identification of an IDR peptide formulation candidate that prevents peptide aggregation and retains immunomodulatory activity. Peptide Science, 2019, 111, e24077.	1.8	11
83	Design and Assessment of Anti-Biofilm Peptides: Steps Toward Clinical Application. Journal of Innate Immunity, 2019, 11, 193-204.	3.8	81
84	Outer Membrane Interaction Kinetics of New Polymyxin B Analogs in Gram-Negative Bacilli. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	43
85	Controlling biofilm formation with nitroxide functional surfaces. Polymer Chemistry, 2019, 10, 4252-4258.	3.9	15
86	Effect of Long-term Exposure to Peptides on Mono- and Multispecies Biofilms in Dentinal Tubules. Journal of Endodontics, 2019, 45, 1522-1528.	3.1	14
87	An aldo-keto reductase with 2-keto-l-gulonate reductase activity functions in l-tartaric acid biosynthesis from vitamin C in Vitis vinifera. Journal of Biological Chemistry, 2019, 294, 15932-15946.	3.4	14
88	Influence of Non-natural Cationic Amino Acids on the Biological Activity Profile of Innate Defense Regulator Peptides. Journal of Medicinal Chemistry, 2019, 62, 10294-10304.	6.4	11
89	Metabolomics Study of the Synergistic Killing of Polymyxin B in Combination with Amikacin against Polymyxin-Susceptible and -Resistant Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2019, 64, .	3.2	28
90	Hyaluronic acid-based nanogels improve in vivo compatibility of the anti-biofilm peptide DJK-5. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102022.	3.3	34

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91	Pinus Susceptibility to Pitch Canker Triggers Specific Physiological Responses in Symptomatic Plants: An Integrated Approach. Frontiers in Plant Science, 2019, 10, 509.	3.6	18
92	Dynamic molecular changes during the first week of human life follow a robust developmental trajectory. Nature Communications, 2019, 10, 1092.	12.8	151
93	Dismantling the bacterial virulence program. Microbial Biotechnology, 2019, 12, 409-413.	4.2	9
94	NetworkAnalyst 3.0: a visual analytics platform for comprehensive gene expression profiling and meta-analysis. Nucleic Acids Research, 2019, 47, W234-W241.	14.5	1,191
95	Aurein-Derived Antimicrobial Peptides Formulated with Pegylated Phospholipid Micelles to Target Methicillin-Resistant Staphylococcus aureus Skin Infections. ACS Infectious Diseases, 2019, 5, 443-453.	3.8	48
96	Characterization of Host Responses during Pseudomonas aeruginosa Acute Infection in the Lungs and Blood and after Treatment with the Synthetic Immunomodulatory Peptide IDR-1002. Infection and Immunity, 2019, 87, .	2.2	17
97	MetaBridge: enabling network-based integrative analysis via direct protein interactors of metabolites. Bioinformatics, 2018, 34, 3225-3227.	4.1	17
98	New Perspectives in Biofilm Eradication. ACS Infectious Diseases, 2018, 4, 93-106.	3.8	147
99	Photosynthetic limitation as a factor influencing yield in highbush blueberries (Vaccinium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 3069-3080.	4.8	23
100	A reversible light- and genotype-dependent acquired thermotolerance response protects the potato plant from damage due to excessive temperature. Planta, 2018, 247, 1377-1392.	3.2	19
101	The redox state of the apoplast influences the acclimation of photosynthesis and leaf metabolism to changing irradiance. Plant, Cell and Environment, 2018, 41, 1083-1097.	5.7	47
102	Engineering heat tolerance in potato by temperatureâ€dependent expression of a specific allele of HEATâ€SHOCK COGNATE 70. Plant Biotechnology Journal, 2018, 16, 197-207.	8.3	62
103	S100A12 Serum Levels and PMN Counts Are Elevated in Childhood Systemic Vasculitides Especially Involving Proteinase 3 Specific Anti-neutrophil Cytoplasmic Antibodies. Frontiers in Pediatrics, 2018, 6, 341.	1.9	16
104	Raspberry Fruit Chemistry in Relation to Fruit Quality and Human Nutrition. , 2018, , 89-119.		6
105	Bone Environment Influences Irreversible Adhesion of a Methicillin-Susceptible Staphylococcus aureus Strain. Frontiers in Microbiology, 2018, 9, 2865.	3.5	18
106	Surfing Motility: a Conserved yet Diverse Adaptation among Motile Bacteria. Journal of Bacteriology, 2018, 200, .	2.2	32
107	Antimicrobial Effect of Peptide DJK-5 Used Alone or Mixed with EDTA on Mono- and Multispecies Biofilms in Dentin Canals. Journal of Endodontics, 2018, 44, 1709-1713.	3.1	20
108	Broad-Spectrum Adaptive Antibiotic Resistance Associated with Pseudomonas aeruginosa Mucin-Dependent Surfing Motility. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	25

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109	Gene expression analysis in Eucalyptus globulus exposed to drought stress in a controlled and a field environment indicates different strategies for short- and longer-term acclimation. Tree Physiology, 2018, 38, 1623-1639.	3.1	3
110	Liposomal Therapy Attenuates Dermonecrosis Induced by Community-Associated Methicillin-Resistant Staphylococcus aureus by Targeting Î±-Type Phenol-Soluble Modulins and Î±-Hemolysin. EBioMedicine, 2018, 33, 211-217.	6.1	18
111	Synergy between conventional antibiotics and anti-biofilm peptides in a murine, sub-cutaneous abscess model caused by recalcitrant ESKAPE pathogens. PLoS Pathogens, 2018, 14, e1007084.	4.7	160
112	Combined Drought and Heat Activates Protective Responses in Eucalyptus globulus That Are Not Activated When Subjected to Drought or Heat Stress Alone. Frontiers in Plant Science, 2018, 9, 819.	3.6	85
113	Helicobacter pylori Biofilm Formation Is Differentially Affected by Common Culture Conditions, and Proteins Play a Central Role in the Biofilm Matrix. Applied and Environmental Microbiology, 2018, 84, .	3.1	27
114	A Transcript and Metabolite Atlas of Blackcurrant Fruit Development Highlights Hormonal Regulation and Reveals the Role of Key Transcription Factors. Frontiers in Plant Science, 2018, 9, 1235.	3.6	11
115	Novel roles for two-component regulatory systems in cytotoxicity and virulence-related properties in Pseudomonas aeruginosa. AIMS Microbiology, 2018, 4, 173-191.	2.2	22
116	New Mouse Model for Chronic Infections by Gram-Negative Bacteria Enabling the Study of Anti-Infective Efficacy and Host-Microbe Interactions. MBio, 2017, 8, .	4.1	97
117	Anti-adhesive antimicrobial peptide coating prevents catheter associated infection in a mouse urinary infection model. Biomaterials, 2017, 116, 69-81.	11.4	203
118	An Immunomodulatory Peptide Confers Protection in an Experimental Candidemia Murine Model. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	22
119	High-Performance Liquid Chromatography and Mass Spectrometry-Based Design of Proteolytically Stable Antimicrobial Peptides. Methods in Molecular Biology, 2017, 1548, 61-71.	0.9	10
120	Antimicrobial Peptides: An Introduction. Methods in Molecular Biology, 2017, 1548, 3-22.	0.9	197
121	Antibiofilm Effect of D-enantiomeric Peptide Alone and Combined with EDTA InÂVitro. Journal of Endodontics, 2017, 43, 1862-1867.	3.1	22
122	Mechanisms of the Innate Defense Regulator Peptide-1002 Anti-Inflammatory Activity in a Sterile Inflammation Mouse Model. Journal of Immunology, 2017, 199, 3592-3603.	0.8	39
123	Redox Control of Aphid Resistance through Altered Cell Wall Composition and Nutritional Quality. Plant Physiology, 2017, 175, 259-271.	4.8	26
124	Sensing Mg²⁺ contributes to the resistance of Pseudomonas aeruginosa to complementâ€mediated opsonophagocytosis. Environmental Microbiology, 2017, 19, 4278-4286.	3.8	20
125	Aggregation and Its Influence on the Immunomodulatory Activity of Synthetic Innate Defense Regulator Peptides. Cell Chemical Biology, 2017, 24, 969-980.e4.	5.2	45
126	Ciprofloxacin-nitroxide hybrids with potential for biofilm control. European Journal of Medicinal Chemistry, 2017, 138, 590-601.	5.5	38

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127	Two Isoforms of Clp Peptidase in Pseudomonas aeruginosa Control Distinct Aspects of Cellular Physiology. Journal of Bacteriology, 2017, 199, .	2.2	37
128	Alternative strategies for the study and treatment of clinical bacterial biofilms. Emerging Topics in Life Sciences, 2017, 1, 41-53.	2.6	12
129	Synthetic Peptides to Target Stringent Response-Controlled Virulence in a Pseudomonas aeruginosa Murine Cutaneous Infection Model. Frontiers in Microbiology, 2017, 8, 1867.	3.5	67
130	A novel small RNA is important for biofilm formation and pathogenicity in Pseudomonas aeruginosa. PLoS ONE, 2017, 12, e0182582.	2.5	25
131	Synthetic host defense peptide IDR-1002 reduces inflammation in Pseudomonas aeruginosa lung infection. PLoS ONE, 2017, 12, e0187565.	2.5	24
132	Exosomes, your bodyâ€™s answer to immune health. Annals of Translational Medicine, 2017, 5, 81-81.	1.7	14
133	Peptide IDR-1002 Inhibits NF-Î²B Nuclear Translocation by Inhibition of IÎ²BÎ± Degradation and Activates p38/ERK1/2â€“MSK1-Dependent CREB Phosphorylation in Macrophages Stimulated with Lipopolysaccharide. Frontiers in Immunology, 2016, 7, 533.	4.8	23
134	A polyalanine peptide derived from polar fish with anti-infectious activities. Scientific Reports, 2016, 6, 21385.	3.3	46
135	Antibiofilm Peptides: Potential as Broad-Spectrum Agents. Journal of Bacteriology, 2016, 198, 2572-2578.	2.2	163
136	Bacterial Abscess Formation Is Controlled by the Stringent Stress Response and Can Be Targeted Therapeutically. EBioMedicine, 2016, 12, 219-226.	6.1	63
137	Integrated proteomics and metabolomics to unlock global and clonal responses of Eucalyptus globulus recovery from water deficit. Metabolomics, 2016, 12, 1.	3.0	41
138	Polymyxin: Alternative Mechanisms of Action and Resistance. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025288.	6.2	273
139	Structural Studies of a Lipid-Binding Peptide from Tunicate Hemocytes with Anti-Biofilm Activity. Scientific Reports, 2016, 6, 27128.	3.3	24
140	Experimental and Theoretical Investigation of Multispecies Oral Biofilm Resistance to Chlorhexidine Treatment. Scientific Reports, 2016, 6, 27537.	3.3	51
141	Characterization of the watercress (Nasturtium officinale R. Br.; Brassicaceae) transcriptome using RNASeq and identification of candidate genes for important phytonutrient traits linked to human health. BMC Genomics, 2016, 17, 378.	2.8	33
142	Depicting how Eucalyptus globulus survives drought: involvement of redox and DNA methylation events. Functional Plant Biology, 2016, 43, 838.	2.1	19
143	A new cryptic cationic antimicrobial peptide from human apolipoprotein E with antibacterial activity and immunomodulatory effects on human cells. FEBS Journal, 2016, 283, 2115-2131.	4.7	54
144	Alternatives to antibioticsâ€”a pipeline portfolio review. Lancet Infectious Diseases, The, 2016, 16, 239-251.	9.1	720

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145	The Structure of a Type 3 Secretion System (T3SS) Ruler Protein Suggests a Molecular Mechanism for Needle Length Sensing. Journal of Biological Chemistry, 2016, 291, 1676-1691.	3.4	36
146	Cross-tolerance to biotic and abiotic stresses in plants: a focus on resistance to aphid infestation. Journal of Experimental Botany, 2016, 67, 2025-2037.	4.8	189
147	Synthetic antibiofilm peptides. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1061-1069.	2.6	173
148	Identification of novel cyclic lipopeptides from a positional scanning combinatorial library with enhanced antibacterial and antibiofilm activities. European Journal of Medicinal Chemistry, 2016, 108, 354-363.	5.5	48
149	Treatment of Oral Biofilms by a D-Enantiomeric Peptide. PLoS ONE, 2016, 11, e0166997.	2.5	37
150	Elucidating the genetic basis of antioxidant status in lettuce (Lactuca sativa). Horticulture Research, 2015, 2, 15055.	6.3	27
151	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. Frontiers in Microbiology, 2015, 6, 1036.	3.5	144
152	Potentiation of ciprofloxacin action against Gram-negative bacterial biofilms by a nitroxide. Pathogens and Disease, 2015, 73, .	2.0	36
153	High throughput screening methods for assessing antibiofilm and immunomodulatory activities of synthetic peptides. Peptides, 2015, 71, 276-285.	2.4	89
154	Antibiofilm Peptides Increase the Susceptibility of Carbapenemase-Producing Klebsiella pneumoniae Clinical Isolates to Î²-Lactam Antibiotics. Antimicrobial Agents and Chemotherapy, 2015, 59, 3906-3912.	3.2	97
155	Toward Infection-Resistant Surfaces: Achieving High Antimicrobial Peptide Potency by Modulating the Functionality of Polymer Brush and Peptide. ACS Applied Materials & Interfaces, 2015, 7, 28591-28605.	8.0	73
156	WHIRLY1 Functions in the Control of Responses to Nitrogen Deficiency But Not Aphid Infestation in Barley. Plant Physiology, 2015, 168, 1140-1151.	4.8	20
157	Mechanisms of plant-insect interaction. Journal of Experimental Botany, 2015, 66, 421-424.	4.8	17
158	Systematic analysis of phloem-feeding insect-induced transcriptional reprogramming in Arabidopsis highlights common features and reveals distinct responses to specialist and generalist insects. Journal of Experimental Botany, 2015, 66, 495-512.	4.8	64
159	D-Enantiomeric Peptides that Eradicate Wild-Type and Multidrug-Resistant Biofilms and Protect against Lethal Pseudomonas aeruginosa Infections. Chemistry and Biology, 2015, 22, 196-205.	6.0	268
160	Cationic amphipathic peptides KT2 and RT2 are taken up into bacterial cells and kill planktonic and biofilm bacteria. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1352-1358.	2.6	86
161	NetworkAnalyst for statistical, visual and network-based meta-analysis of gene expression data. Nature Protocols, 2015, 10, 823-844.	12.0	779
162	Anti-infective peptide IDR-1002 augments monocyte chemotaxis towards CCR5 chemokines. Biochemical and Biophysical Research Communications, 2015, 464, 800-806.	2.1	21

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163	Nitrogen deficiency in barley (Hordeum vulgare) seedlings induces molecular and metabolic adjustments that trigger aphid resistance. Journal of Experimental Botany, 2015, 66, 3639-3655.	4.8	60
164	Enhanced killing of breast cancer cells by a d-amino acid analog of the winter flounder-derived pleurocidin NRC-03. Experimental and Molecular Pathology, 2015, 99, 426-434.	2.1	23
165	More plant growth but less plant defence? First global gene expression data for plants grown in soil amended with biochar. GCB Bioenergy, 2015, 7, 658-672.	5.6	135
166	Treatment of Oral Multispecies Biofilms by an Anti-Biofilm Peptide. PLoS ONE, 2015, 10, e0132512.	2.5	65
167	Using anti-biofilm peptides to treat antibiotic-resistant bacterial infections. Postdoc Journal, 2015, 3, 1-8.	0.4	12
168	Highbush Blueberry Varietal Flavor Characters. , 2014, , 343-346.		0
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