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	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
2	InnateDB: systems biology of innate immunity and beyondâ€"recent updates and continuing curation. Nucleic Acids Research, 2013, 41, D1228-D1233.	14.5	1,073
3	NetworkAnalyst for statistical, visual and network-based meta-analysis of gene expression data. Nature Protocols, 2015, 10, 823-844.	12.0	779
4	Alternatives to antibioticsâ€"a pipeline portfolio review. Lancet Infectious Diseases, The, 2016, 16, 239-251.	9.1	720
5	The value of antimicrobial peptides in the age of resistance. Lancet Infectious Diseases, The, 2020, 20, e216-e230.	9.1	573
6	Role of membranes in the activities of antimicrobial cationic peptides. FEMS Microbiology Letters, 2002, 206, 143-149.	1.8	504
7	Resistance Mechanisms inPseudomonas aeruginosaand Other Nonfermentative Gramâ€Negative Bacteria. Clinical Infectious Diseases, 1998, 27, S93-S99.	5.8	469
8	Modulating immunity as a therapy for bacterial infections. Nature Reviews Microbiology, 2012, 10, 243-254.	28.6	439
9	Broad-Spectrum Anti-biofilm Peptide That Targets a Cellular Stress Response. PLoS Pathogens, 2014, 10, e1004152.	4.7	433
10	Antibacterial Action of Structurally Diverse Cationic Peptides on Gram-Positive Bacteria. Antimicrobial Agents and Chemotherapy, 2000, 44, 2086-2092.	3.2	421
11	NetworkAnalyst - integrative approaches for proteinâ€"protein interaction network analysis and visual exploration. Nucleic Acids Research, 2014, 42, W167-W174.	14.5	398
12	Antibiotic resistance in Pseudomonas aeruginosa: mechanisms and impact on treatment. Drug Resistance Updates, 2000, 3, 247-255.	14.4	380
13	Function ofPseudomonasPorins in Uptake and Efflux. Annual Review of Microbiology, 2002, 56, 17-38.	7.3	283
14	Polymyxin: Alternative Mechanisms of Action and Resistance. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025288.	6.2	273
15	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
16	Plant responses to insect herbivory: interactions between photosynthesis, reactive oxygen species and hormonal signalling pathways. Plant, Cell and Environment, 2012, 35, 441-453.	5.7	262
17	A Broad-Spectrum Antibiofilm Peptide Enhances Antibiotic Action against Bacterial Biofilms. Antimicrobial Agents and Chemotherapy, 2014, 58, 5363-5371.	3.2	262
18	Host defence peptides from invertebrates â€" emerging antimicrobial strategies. Immunobiology, 2006, 211, 315-322.	1.9	237

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19	Tuberization in Potato Involves a Switch from Apoplastic to Symplastic Phloem Unloading. Plant Cell, 2001, 13, 385-398.	6.6	233
20	Synergistic Interactions between Mammalian Antimicrobial Defense Peptides. Antimicrobial Agents and Chemotherapy, 2001, 45, 1558-1560.	3.2	232
21	PhoP-PhoQ homologues in Pseudomonas aeruginosa regulate expression of the outer-membrane protein OprH and polymyxin B resistance. Molecular Microbiology, 1999, 34, 305-316.	2.5	214
22	Metabolic effects of elevated temperature on organic acid degradation in ripening Vitis vinifera fruit. Journal of Experimental Botany, 2014, 65, 5975-5988.	4.8	209
23	Anti-adhesive antimicrobial peptide coating prevents catheter associated infection in a mouse urinary infection model. Biomaterials, 2017, 116, 69-81.	11.4	203
24	Antimicrobial Peptides: An Introduction. Methods in Molecular Biology, 2017, 1548, 3-22.	0.9	197
25	Physiological, biochemical and molecular responses of the potato (<scp>S</scp>olanum) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2014, 37, 439-450.	5.7	196
26	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
27	Co-ordinated gene expression during phases of dormancy release in raspberry (Rubus idaeus L.) buds. Journal of Experimental Botany, 2007, 58, 1035-1045.	4.8	187
28	Role of Pseudomonas aeruginosa PhoP-PhoQ in resistance to antimicrobial cationic peptides and aminoglycosides. Microbiology (United Kingdom), 2000, 146, 2543-2554.	1.8	177
29	Synthetic antibiofilm peptides. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1061-1069.	2.6	173
30	Antibiofilm Peptides: Potential as Broad-Spectrum Agents. Journal of Bacteriology, 2016, 198, 2572-2578.	2.2	163
31	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
32	Dynamic molecular changes during the first week of human life follow a robust developmental trajectory. Nature Communications, 2019, 10, 1092.	12.8	151
33	New Perspectives in Biofilm Eradication. ACS Infectious Diseases, 2018, 4, 93-106.	3.8	147
34	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. Frontiers in Microbiology, 2015, 6, 1036.	3.5	144
35	The Transcription Factor ABI4 Is Required for the Ascorbic Acidâ€“Dependent Regulation of Growth and Regulation of Jasmonate-Dependent Defense Signaling Pathways inArabidopsisÂ Â. Plant Cell, 2011, 23, 3319-3334.	6.6	140
36	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

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37	Antibiofilm activity of host defence peptides: complexity provides opportunities. Nature Reviews Microbiology, 2021, 19, 786-797.	28.6	129
38	Synergy of Histone-Derived Peptides of Coho Salmon with Lysozyme and Flounder Pleurocidin. Antimicrobial Agents and Chemotherapy, 2001, 45, 1337-1342.	3.2	114
39	Biotechnological approaches for l-ascorbic acid production. Trends in Biotechnology, 2002, 20, 299-305.	9.3	111
40	Protection in simian immunodeficiency virus-vaccinated monkeys correlates with anti-HLA class I antibody response.. Journal of Experimental Medicine, 1992, 176, 1203-1207.	8.5	109
41	Host Defence (Cationic) Peptides. Drugs, 1999, 57, 469-473.	10.9	108
42	Biosynthesis and Catabolism ofL-Ascorbic Acid in Plants. Critical Reviews in Plant Sciences, 2005, 24, 167-188.	5.7	108
43	The sensor kinase PhoQ mediates virulence in Pseudomonas aeruginosa. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.8	103
44	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
45	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
46	High throughput screening methods for assessing antibiofilm and immunomodulatory activities of synthetic peptides. Peptides, 2015, 71, 276-285.	2.4	89
47	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
48	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
49	Vitamin C in Plants: Novel Concepts, New Perspectives, and Outstanding Issues. Antioxidants and Redox Signaling, 2020, 32, 463-485.	5.4	84
50	Improving the Nutritional Value of Crops through Enhancement ofl-Ascorbic Acid (Vitamin C) Content:Â Rationale and Biotechnological Opportunities. Journal of Agricultural and Food Chemistry, 2005, 53, 5248-5257.	5.2	82
51	Design and Assessment of Anti-Biofilm Peptides: Steps Toward Clinical Application. Journal of Innate Immunity, 2019, 11, 193-204.	3.8	81
52	L-Ascorbic acid accumulation in fruit of Ribes nigrum occurs by in situ biosynthesis via the L-galactose pathway. Functional Plant Biology, 2007, 34, 1080.	2.1	81
53	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
54	Membrane topology and site-specific mutagenesis of Pseudomonas aeruginosa porin OprD. Molecular Microbiology, 1995, 16, 931-941.	2.5	76

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55	Long-distance transport of L-ascorbic acid in potato. BMC Plant Biology, 2004, 4, 16.	3.6	76
56	Predicting sepsis severity at first clinical presentation: The role of endotypes and mechanistic signatures. EBioMedicine, 2022, 75, 103776.	6.1	74
57	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
58	Synthesis of L-ascorbic acid in the phloem. BMC Plant Biology, 2003, 3, 7.	3.6	72
59	Vitamin C and the Abscisic Acid-Insensitive 4 Transcription Factor Are Important Determinants of Aphid Resistance inArabidopsis. Antioxidants and Redox Signaling, 2013, 18, 2091-2105.	5.4	68
60	Outer-membrane protein PhoE from Escherichia coli forms anion-selective pores in lipid-bilayer membranes. FEBS Journal, 1984, 140, 319-324.	0.2	67
61	Sequestosome-1/p62 Is the Key Intracellular Target of Innate Defense Regulator Peptide. Journal of Biological Chemistry, 2009, 284, 36007-36011.	3.4	67
62	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
63	Phosphate transport in Pseudomonas aeruginosa. Involvement of a periplasmic phosphate-binding protein. FEBS Journal, 1984, 144, 607-612.	0.2	66
64	Symplastic connection is required for bud outgrowth following dormancy in potato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	5.7	66
65	Biosynthesis of L-ascorbic acid (vitamin C) by Saccharomyces cerevisiae. FEMS Microbiology Letters, 2000, 186, 245-250.	1.8	65
66	Treatment of Oral Multispecies Biofilms by an Anti-Biofilm Peptide. PLoS ONE, 2015, 10, e0132512.	2.5	65
67	Flavonoid profiling and transcriptome analysis reveals new geneâ€“metabolite correlations in tubers of Solanum tuberosum L.. Journal of Experimental Botany, 2010, 61, 1225-1238.	4.8	64
68	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
69	The Amino Terminus of Pseudomonas aeruginosa Outer Membrane Protein OprF Forms Channels in Lipid Bilayer Membranes: Correlation with a Three-Dimensional Model. Journal of Bacteriology, 2000, 182, 5251-5255.	2.2	63
70	Bacterial Abscess Formation Is Controlled by the Stringent Stress Response and Can Be Targeted Therapeutically. EBioMedicine, 2016, 12, 219-226.	6.1	63
71	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
72	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

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73	Microtiter plate assays to assess antibiofilm activity against bacteria. Nature Protocols, 2021, 16, 2615-2632.	12.0	58
74	Polyphosphate-selective porin OprO of Pseudomonas aeruginosa: expression, purification and sequence. Molecular Microbiology, 1992, 6, 2319-2326.	2.5	55
75	Modulation of Fructokinase Activity of Potato (Solanum tuberosum) Results in Substantial Shifts in Tuber Metabolism. Plant and Cell Physiology, 2005, 46, 1103-1115.	3.1	54
76	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
77	Experimental and Theoretical Investigation of Multispecies Oral Biofilm Resistance to Chlorhexidine Treatment. Scientific Reports, 2016, 6, 27537.	3.3	51
78	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
79	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
80	Biosynthesis of ?-ascorbic acid (vitamin C) by Saccharomyces cerevisiae. FEMS Microbiology Letters, 2000, 186, 245-250.	1.8	47
81	Day length dependent restructuring of the leaf transcriptome and metabolome in potato genotypes with contrasting tuberization phenotypes. Plant, Cell and Environment, 2014, 37, 1351-1363.	5.7	47
82	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
83	Infestation of potato (Solanum tuberosum L.) by the peachâ€potato aphid (Myzus persicae) Tj ETQq1 1 0.784314 rgBT /O 35, 430-440.	5.7	46
84	A polyalanine peptide derived from polar fish with anti-infectious activities. Scientific Reports, 2016, 6, 21385.	3.3	46
85	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
86	The use of micro-organisms for L- ascorbic acid production: current status and future perspectives. Applied Microbiology and Biotechnology, 2001, 56, 567-576.	3.6	43
87	Elevated atmospheric carbon dioxide impairs the performance of rootâ€feeding vine weevils by modifying root growth and secondary metabolites. Global Change Biology, 2011, 17, 688-695.	9.5	43
88	Outer Membrane Interaction Kinetics of New Polymyxin B Analogs in Gram-Negative Bacilli. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	43
89	Starch metabolism in developing strawberry (Fragaria x ananassa) fruits. Physiologia Plantarum, 2004, 121, 369-376.	5.2	42
90	Short-term response in leaf metabolism of perennial ryegrass (Lolium perenne) to alterations in nitrogen supply. Metabolomics, 2013, 9, 145-156.	3.0	42

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91	Exploring the pathophysiology of post-sepsis syndrome to identify therapeutic opportunities. EBioMedicine, 2020, 61, 103044.	6.1	42
92	Integrated proteomics and metabolomics to unlock global and clonal responses of Eucalyptus globulus recovery from water deficit. Metabolomics, 2016, 12, 1.	3.0	41
93	The ABA-INSENSITIVE-4 (ABI4) transcription factor links redox, hormone and sugar signaling pathways. Plant Signaling and Behavior, 2012, 7, 276-281.	2.4	40
94	Identification, cloning and expression analysis of strawberry (Fragaria x ananassa) mitochondrial citrate synthase and mitochondrial malate dehydrogenase. Physiologia Plantarum, 2004, 121, 15-26.	5.2	39
95	Potato tuber pectin structure is influenced by pectin methyl esterase activity and impacts on cooked potato texture. Journal of Experimental Botany, 2011, 62, 371-381.	4.8	39
96	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
97	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
98	Ciprofloxacin-nitroxide hybrids with potential for biofilm control. European Journal of Medicinal Chemistry, 2017, 138, 590-601.	5.5	38
99	Two Isoforms of Clp Peptidase in Pseudomonas aeruginosa Control Distinct Aspects of Cellular Physiology. Journal of Bacteriology, 2017, 199, .	2.2	37
100	Treatment of Oral Biofilms by a D-Enantiomeric Peptide. PLoS ONE, 2016, 11, e0166997.	2.5	37
101	A high-throughput monolithic HPLC method for rapid Vitamin C phenotyping of berry fruit. Phytochemical Analysis, 2006, 17, 284-290.	2.4	36
102	Potentiation of ciprofloxacin action against Gram-negative bacterial biofilms by a nitroxide. Pathogens and Disease, 2015, 73, .	2.0	36
103	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
104	Syringyl Lignin Is Unaltered by Severe Sinapyl Alcohol Dehydrogenase Suppression in Tobacco. Plant Cell, 2011, 23, 4492-4506.	6.6	34
105	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
106	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
107	Human organoid biofilm model for assessing antibiofilm activity of novel agents. Npj Biofilms and Microbiomes, 2021, 7, 8.	6.4	33
108	Surfing Motility: a Conserved yet Diverse Adaptation among Motile Bacteria. Journal of Bacteriology, 2018, 200, .	2.2	32

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109	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
110	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
111	Multidrug Adaptive Resistance of Pseudomonas aeruginosa Swarming Cells. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	30
112	EFFECT OF NUTRIENT DEPRIVATION AND RESUPPLY ON METABOLITES AND ENZYMES RELATED TO CARBON ALLOCATION IN GRACILARIA TENUISTIPITATA (RHODOPHYTA)1. Journal of Phycology, 2004, 40, 305-314.	2.3	29
113	Modeling the Ion Selectivity of the Phosphate Specific Channel OprP. Journal of Physical Chemistry Letters, 2012, 3, 3639-3645.	4.6	28
114	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
115	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
116	Mechanistic Understanding Enables the Rational Design of Salicylanilide Combination Therapies for Gram-Negative Infections. MBio, 2020, 11, .	4.1	28
117	Antibiofilm peptides: overcoming biofilm-related treatment failure. RSC Advances, 2021, 11, 2718-2728.	3.6	28
118	Testing physiologically relevant conditions in minimal inhibitory concentration assays. Nature Protocols, 2021, 16, 3761-3774.	12.0	28
119	Ascorbic acid conjugates isolated from the phloem of Cucurbitaceae. Phytochemistry, 2008, 69, 1850-1858.	2.9	27
120	Elucidating the genetic basis of antioxidant status in lettuce (Lactuca sativa). Horticulture Research, 2015, 2, 15055.	6.3	27
121	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
122	Functional and regulatory analysis of the OmpF-like porin, OpnP, of the symbiotic bacterium Xenorhabdus nematophilus. Molecular Microbiology, 1995, 18, 779-789.	2.5	26
123	Redox Control of Aphid Resistance through Altered Cell Wall Composition and Nutritional Quality. Plant Physiology, 2017, 175, 259-271.	4.8	26
124	Broad-Spectrum Adaptive Antibiotic Resistance Associated with Pseudomonas aeruginosa Mucin-Dependent Surfing Motility. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	25
125	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
126	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

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127	An Overview of Biological and Computational Methods for Designing Mechanism-Informed Anti-biofilm Agents. Frontiers in Microbiology, 2021, 12, 640787.	3.5	25
128	A novel small RNA is important for biofilm formation and pathogenicity in Pseudomonas aeruginosa. PLoS ONE, 2017, 12, e0182582.	2.5	25
129	Linker-insertion mutagenesis ofPseudomonas aeruginosaouter membrane protein OprF. Molecular Microbiology, 1993, 10, 283-292.	2.5	24
130	An iron-regulated LysR-type element mediates antimicrobial peptide resistance and virulence in Yersinia pseudotuberculosis. Microbiology (United Kingdom), 2009, 155, 2168-2181.	1.8	24
131	Structural Studies of a Lipid-Binding Peptide from Tunicate Hemocytes with Anti-Biofilm Activity. Scientific Reports, 2016, 6, 27128.	3.3	24
132	Synthetic host defense peptide IDR-1002 reduces inflammation in Pseudomonas aeruginosa lung infection. PLoS ONE, 2017, 12, e0187565.	2.5	24
133	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
134	Peptide IDR-1002 Inhibits NF-Î°B Nuclear Translocation by Inhibition of Ií°BÎ± Degradation and Activates p38/ERK1/2â€“MSK1-Dependent CREB Phosphorylation in Macrophages Stimulated with Lipopolysaccharide. Frontiers in Immunology, 2016, 7, 533.	4.8	23
135	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
136	The Stringent Stress Response Controls Proteases and Global Regulators under Optimal Growth Conditions in Pseudomonas aeruginosa. MSystems, 2020, 5, .	3.8	23
137	Systems Biology Approaches to Understanding the Human Immune System. Frontiers in Immunology, 2020, 11, 1683.	4.8	23
138	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
139	Physical mapping of 32 genetic markers on the Pseudomonas aeruginosa PAO1 chromosome. Microbiology (United Kingdom), 1996, 142, 79-86.	1.8	22
140	Treatment with fungicides influences phytochemical quality of blackcurrant juice. Annals of Applied Biology, 2012, 160, 86-96.	2.5	22
141	An Immunomodulatory Peptide Confers Protection in an Experimental Candidemia Murine Model. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	22
142	Antibiofilm Effect of D-enantiomeric Peptide Alone and Combined with EDTA InÂVitro. Journal of Endodontics, 2017, 43, 1862-1867.	3.1	22
143	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
144	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

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145	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
146	Anti-infective peptide IDR-1002 augments monocyte chemotaxis towards CCR5 chemokines. Biochemical and Biophysical Research Communications, 2015, 464, 800-806.	2.1	21
147	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
148	Concerns regarding resistance to self-proteins. Microbiology (United Kingdom), 2003, 149, 3343-3344.	1.8	20
149	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
150	Sensing Mg²⁺ contributes to the resistance of <i>Pseudomonas aeruginosa</i> to complementâ€mediated opsonophagocytosis. Environmental Microbiology, 2017, 19, 4278-4286.	3.8	20
151	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
152	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
153	Selective anticancer activity of synthetic peptides derived from the host defence peptide tritrpticin. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183228.	2.6	20
154	Pectin engineering to modify product quality in potato. Plant Biotechnology Journal, 2011, 9, 848-856.	8.3	19
155	Depicting how Eucalyptus globulus survives drought: involvement of redox and DNA methylation events. Functional Plant Biology, 2016, 43, 838.	2.1	19
156	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
157	Bone Environment Influences Irreversible Adhesion of a Methicillin-Susceptible Staphylococcus aureus Strain. Frontiers in Microbiology, 2018, 9, 2865.	3.5	18
158	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
159	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
160	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
161	Mechanisms of plant-insect interaction. Journal of Experimental Botany, 2015, 66, 421-424.	4.8	17
162	MetaBridge: enabling network-based integrative analysis via direct protein interactors of metabolites. Bioinformatics, 2018, 34, 3225-3227.	4.1	17

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163	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
164	Whole blood transcriptional responses of very preterm infants during late-onset sepsis. PLoS ONE, 2020, 15, e0233841.	2.5	17
165	Adherence of Burkholderia cepacia to respiratory tract epithelial cells and inhibition with dextrans. Microbiology (United Kingdom), 2001, 147, 2651-2658.	1.8	17
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