

Hwang-Soo Joo

List of Publications by Year in descending order

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papers

4,267
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136885

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docs citations

63
times ranked

5773
citing authors

#	ARTICLE	IF	CITATIONS
1	Thymol Reduces agr-Mediated Virulence Factor Phenol-Soluble Modulins Production in <i>Staphylococcus aureus</i> . <i>BioMed Research International</i> , 2022, 2022, 1-14.	0.9	7
2	4-Chloro-2-Isopropyl-5-Methylphenol Exhibits Antimicrobial and Adjuvant Activity against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 730-739.	0.9	2
3	Leucyl-tRNA Synthetase Inhibitor, D-Norvaline, in Combination with Oxacillin, Is Effective against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Antibiotics</i> , 2022, 11, 683.	1.5	2
4	Endophyte-produced antimicrobials: a review of potential lead compounds with a focus on quorum-sensing disruptors. <i>Phytochemistry Reviews</i> , 2021, 20, 543-568.	3.1	19
5	Increased Antibiotic Resistance of Methicillin-Resistant USA300 Δ psm Mutants and a Complementation Study of Δ psm Mutants Using Synthetic Phenol-Soluble Modulins. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 115-122.	0.9	10
6	Comparative Study of the Difference in Behavior of the Accessory Gene Regulator (Agr) in USA300 and USA400 Community-Associated Methicillin-Resistant (CA-MRSA). <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1060-1068.	0.9	9
7	Multi-omics based characterization of antibiotic response in clinical isogenic isolates of methicillin-susceptible/-resistant <i>Staphylococcus aureus</i> . <i>RSC Advances</i> , 2020, 10, 27864-27873.	1.7	7
8	Phenol-Soluble Modulins-Mediated Aggregation of Community-Associated Methicillin-Resistant <i>Staphylococcus Aureus</i> in Human Cerebrospinal Fluid. <i>Cells</i> , 2020, 9, 788.	1.8	9
9	Increased resistance of a methicillin-resistant <i>Staphylococcus aureus</i> Δ agr mutant with modified control in fatty acid metabolism. <i>AMB Express</i> , 2020, 10, 64.	1.4	12
10	Biofilm Formation by <i>Staphylococcus aureus</i> Clinical Isolates is Differentially Affected by Glucose and Sodium Chloride Supplemented Culture Media. <i>Journal of Clinical Medicine</i> , 2019, 8, 1853.	1.0	57
11	Role of Phenol-Soluble Modulins in <i>Staphylococcus epidermidis</i> Biofilm Formation and Infection of Indwelling Medical Devices. <i>Journal of Molecular Biology</i> , 2019, 431, 3015-3027.	2.0	51
12	Topical Prescriptive Analytics System for Automatic Recommendation of Convergence Technology. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 893-906.	1.4	2
13	Do amyloid structures formed by <i>Staphylococcus aureus</i> phenol-soluble modulins have a biological function?. <i>International Journal of Medical Microbiology</i> , 2018, 308, 675-682.	1.5	52
14	Immobilized Lipid Affinity Capture for Antimicrobial Peptides Screening. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 598-604.	1.4	1
15	Pathogen elimination by probiotic <i>Bacillus</i> via signalling interference. <i>Nature</i> , 2018, 562, 532-537.	13.7	389
16	Biowaste-to-bioenergy using biological methods – A mini-review. <i>Energy Conversion and Management</i> , 2018, 177, 640-660.	4.4	195
17	Whole-cell Immobilization of Engineered <i>Escherichia coli</i> JY001 with Barium-alginate for Itaconic Acid Production. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 442-447.	1.4	29
18	Phenol-Soluble Modulins of <i>Staphylococcus haemolyticus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 206.	1.8	44

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19	Toxin Mediates Sepsis Caused by Methicillin-Resistant <i>Staphylococcus epidermidis</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006153.	2.1	49
20	Toxin-mediated gene regulatory mechanism in <i>Staphylococcus aureus</i> . <i>Microbial Cell</i> , 2017, 4, 29-31.	1.4	6
21	Bacterial strategies of resistance to antimicrobial peptides. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150292.	1.8	264
22	Bacterial Abscess Formation Is Controlled by the Stringent Stress Response and Can Be Targeted Therapeutically. <i>EBioMedicine</i> , 2016, 12, 219-226.	2.7	63
23	Toll-like receptor 2 activation depends on lipopeptide shedding by bacterial surfactants. <i>Nature Communications</i> , 2016, 7, 12304.	5.8	86
24	Mechanism of Gene Regulation by a <i>Staphylococcus aureus</i> Toxin. <i>MBio</i> , 2016, 7, .	1.8	34
25	Increased in vitro phenol-soluble modulins production is associated with soft tissue infection source in clinical isolates of methicillin-susceptible <i>Staphylococcus aureus</i> . <i>Journal of Infection</i> , 2016, 72, 302-308.	1.7	13
26	Key Role of δ -Toxin in Fatal Pneumonia Caused by <i>Staphylococcus aureus</i> Sequence Type 398. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 217-220.	2.5	22
27	AraC-Type Regulator Rsp Adapts <i>Staphylococcus aureus</i> Gene Expression to Acute Infection. <i>Infection and Immunity</i> , 2016, 84, 723-734.	1.0	23
28	Functional characteristics of the <i>Staphylococcus aureus</i> δ -toxin allelic variant G10S. <i>Scientific Reports</i> , 2015, 5, 18023.	1.6	15
29	Role of Phenol-Soluble Modulins in Formation of <i>Staphylococcus aureus</i> Biofilms in Synovial Fluid. <i>Infection and Immunity</i> , 2015, 83, 2966-2975.	1.0	80
30	Mechanisms of resistance to antimicrobial peptides in staphylococci. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3055-3061.	1.4	96
31	Clinical MRSA isolates from skin and soft tissue infections show increased in vitro production of phenol soluble modulins. <i>Journal of Infection</i> , 2015, 71, 447-457.	1.7	28
32	Basis of Virulence in a Pantone-Valentine Leukocidin-Negative Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Strain. <i>Journal of Infectious Diseases</i> , 2015, 211, 472-480.	1.9	29
33	Production of an Attenuated Phenol-Soluble Modulin Variant Unique to the MRSA Clonal Complex 30 Increases Severity of Bloodstream Infection. <i>PLoS Pathogens</i> , 2014, 10, e1004298.	2.1	51
34	Genome-wide analysis of the regulatory function mediated by the small regulatory psm-mec RNA of methicillin-resistant <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2014, 304, 637-644.	1.5	14
35	Insight into structure-function relationship in phenol-soluble modulins using an alanine screen of the phenol-soluble modulin (PSM) δ 3 peptide. <i>FASEB Journal</i> , 2014, 28, 153-161.	0.2	58
36	Phenol-soluble modulins are critical determinants of staphylococcal virulence. <i>FEMS Microbiology Reviews</i> , 2014, 38, 698-719.	3.9	295

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37	Oxacillin Alters the Toxin Expression Profile of Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1100-1107.	1.4	51
38	The Isolation and Analysis of Phenol-Soluble Modulins of <i>Staphylococcus epidermidis</i> . <i>Methods in Molecular Biology</i> , 2014, 1106, 93-100.	0.4	38
39	Essential <i>Staphylococcus aureus</i> toxin export system. <i>Nature Medicine</i> , 2013, 19, 364-367.	15.2	144
40	Genome-based cryptic gene discovery and functional identification of NRPS siderophore peptide in <i>Streptomyces peucetius</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 1213-1222.	1.7	15
41	Molecular Basis of In Vivo Biofilm Formation by Bacterial Pathogens. <i>Chemistry and Biology</i> , 2012, 19, 1503-1513.	6.2	318
42	How <i>Staphylococcus aureus</i> biofilms develop their characteristic structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1281-1286.	3.3	526
43	Antimicrobial Activity of Community-associated Methicillin-resistant <i>Staphylococcus aureus</i> Is Caused by Phenol-soluble Modulin Derivatives. <i>Journal of Biological Chemistry</i> , 2011, 286, 8933-8940.	1.6	130
44	Distribution and Regulation of the Mobile Genetic Element-Encoded Phenol-Soluble Modulin PSM-mec in Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2011, 6, e28781.	1.1	71
45	Neutrophil responses to staphylococcal pathogens and commensals via the formyl peptide receptor 2 relates to phenol-soluble modulin release and virulence. <i>FASEB Journal</i> , 2011, 25, 1254-1263.	0.2	91
46	Defining the Strain-Dependent Impact of the Staphylococcal Accessory Regulator (<i>sarA</i>) on the Alpha-Toxin Phenotype of <i>Staphylococcus aureus</i> . <i>Journal of Bacteriology</i> , 2011, 193, 2948-2958.	1.0	78
47	Probiotic potential of <i>Staphylococcus hominis</i> MBBL 2 as anti- <i>Staphylococcus aureus</i> agent isolated from the vaginal microbiota of a healthy woman. <i>Journal of Applied Microbiology</i> , 2010, 108, 908-916.	1.4	28
48	Comparative Analysis of Virulence and Toxin Expression of Global Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Strains. <i>Journal of Infectious Diseases</i> , 2010, 202, 1866-1876.	1.9	150
49	Subinhibitory Concentrations of Protein Synthesis-Inhibiting Antibiotics Promote Increased Expression of the <i>agr</i> Virulence Regulator and Production of Phenol-Soluble Modulin Cytolysins in Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4942-4944.	1.4	42
50	Characterization and structure identification of an antimicrobial peptide, hominicin, produced by <i>Staphylococcus hominis</i> MBBL 2. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 133-138.	1.0	45
51	Cell-Free <i>Escherichia coli</i> -Based System To Screen for Quorum-Sensing Molecules Interacting with Quorum Receptor Proteins of <i>Streptomyces coelicolor</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 6367-6372.	1.4	22
52	Yeast Yak1 kinase, a bridge between PKA and stress-responsive transcription factors, Hsf1 and Msn2/Msn4. <i>Molecular Microbiology</i> , 2008, 70, 882-895.	1.2	120
53	Simultaneous profiling of N-glycans and proteins from human serum using a parallel-column system directly coupled to mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 109-119.	1.2	26
54	Fragmentation study on butanolides with tandem mass spectrometry and its application for the screening of ScbR-captured quorum sensing molecules in <i>Streptomyces coelicolor</i> A3(2). <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 764-770.	0.7	6

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55	Application of a temperature-controllable microreactor to simple and rapid protein identification using MALDI-TOF MS. <i>Lab on A Chip</i> , 2006, 6, 1056.	3.1	17
56	The identification and characterization of xenoantigenic nonhuman carbohydrate sequences in membrane proteins from porcine kidney. <i>Proteomics</i> , 2006, 6, 1133-1142.	1.3	29
57	High-throughput detection method of quorum-sensing molecules by colorimetry and its applications. <i>Analytical Biochemistry</i> , 2006, 356, 297-299.	1.1	55
58	Galactosylation and sialylation of terminal glycan residues of human immunoglobulin G using bacterial glycosyltransferases with in situ regeneration of sugar-nucleotides. <i>Enzyme and Microbial Technology</i> , 2006, 39, 60-66.	1.6	12
59	Novel Method for Detection of Butanolides in <i>Streptomyces coelicolor</i> Culture Broth, Using a His-Tagged Receptor (ScbR) and Mass Spectrometry. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5050-5055.	1.4	33
60	A microfabricated device with integrated nanoelectrospray source for capillary electrophoresis and mass spectrometry. , 2005, , .		0
61	Structural analysis of lipid A from <i>Escherichia coli</i> O157:H7 using thin-layer chromatography and ion-trap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2004, 39, 514-525.	0.7	39
62	Characterization and Investigation of Substrate Specificity of the Sugar Aminotransferase WecE from <i>E. coli</i> K12. <i>Chemistry and Biology</i> , 2004, 11, 915-925.	6.2	49
63	Multi-step reactions on microchip platform using nitrocellulose membrane reactor. <i>Biotechnology and Bioprocess Engineering</i> , 2003, 8, 257-262.	1.4	9