

Joon-Haeng Rhee

List of Publications by Year in descending order

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94
papers

6,082
citations

101384

36
h-index

74018

75
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96
all docs

96
docs citations

96
times ranked

8555
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular characterization of vulnibactin biosynthesis in <i>Vibrio vulnificus</i> indicates the existence of an alternative siderophore. <i>Frontiers in Microbiology</i> , 2014, 5, 1.	1.5	1,166
2	Generation of regulatory dendritic cells and CD4 ⁺ Foxp3 ⁺ T cells by probiotics administration suppresses immune disorders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2159-2164.	3.3	527
3	Two-step enhanced cancer immunotherapy with engineered <i>Salmonella typhimurium</i> secreting heterologous flagellin. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	373
4	Characterization and Pathogenic Significance of <i>Vibrio vulnificus</i> Antigens Preferentially Expressed in Septicemic Patients. <i>Infection and Immunity</i> , 2003, 71, 5461-5471.	1.0	259
5	Regulation of <i>Vibrio vulnificus</i> virulence by the LuxS quorum-sensing system. <i>Molecular Microbiology</i> , 2003, 48, 1647-1664.	1.2	214
6	A Bacterial Flagellin, <i>Vibrio vulnificus</i> FlaB, Has a Strong Mucosal Adjuvant Activity To Induce Protective Immunity. <i>Infection and Immunity</i> , 2006, 74, 694-702.	1.0	195
7	<i>Vibrio vulnificus</i> RTX toxin kills host cells only after contact of the bacteria with host cells. <i>Cellular Microbiology</i> , 2008, 10, 848-862.	1.1	168
8	Integrative genome-scale metabolic analysis of <i>Vibrio vulnificus</i> for drug targeting and discovery. <i>Molecular Systems Biology</i> , 2011, 7, 460.	3.2	157
9	CAS agar diffusion assay for the measurement of siderophores in biological fluids. <i>Journal of Microbiological Methods</i> , 2001, 44, 89-95.	0.7	135
10	ppGpp-dependent Stationary Phase Induction of Genes on <i>Salmonella</i> Pathogenicity Island 1. <i>Journal of Biological Chemistry</i> , 2004, 279, 34183-34190.	1.6	129
11	DNA looping-mediated repression by histone-like protein H-NS: specific requirement of E α 70 as a cofactor for looping. <i>Genes and Development</i> , 2005, 19, 2388-2398.	2.7	124
12	Mucosal vaccine adjuvants update. <i>Clinical and Experimental Vaccine Research</i> , 2012, 1, 50.	1.1	117
13	Construction and Phenotypic Evaluation of a <i>Vibrio vulnificus</i> vvpE Mutant for Elastolytic Protease. <i>Infection and Immunity</i> , 2000, 68, 5096-5106.	1.0	91
14	Aminoacyl-transferases and the N-end rule pathway of prokaryotic/eukaryotic specificity in a human pathogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3078-3083.	3.3	85
15	<i>Vibrio vulnificus</i> Has the Transmembrane Transcription Activator ToxRS Stimulating the Expression of the Hemolysin Gene vvhA. <i>Journal of Bacteriology</i> , 2000, 182, 3405-3415.	1.0	82
16	Intranasal immunization with recombinant PspA fused with a flagellin enhances cross-protective immunity against <i>Streptococcus pneumoniae</i> infection in mice. <i>Vaccine</i> , 2011, 29, 5731-5739.	1.7	81
17	Flagellin enhances tumor-specific CD8 ⁺ T cell immune responses through TLR5 stimulation in a therapeutic cancer vaccine model. <i>Vaccine</i> , 2013, 31, 3879-3887.	1.7	75
18	Intranasal administration of a flagellin-adjuvanted inactivated influenza vaccine enhances mucosal immune responses to protect mice against lethal infection. <i>Vaccine</i> , 2012, 30, 466-474.	1.7	69

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19	Flagellar basal body flg operon as a virulence determinant of <i>Vibrio vulnificus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2003, 304, 405-410.	1.0	66
20	Differential Expression of <i>Vibrio vulnificus</i> Elastase Gene in a Growth Phase-dependent Manner by Two Different Types of Promoters. <i>Journal of Biological Chemistry</i> , 2001, 276, 13875-13880.	1.6	64
21	The dysfunction and abnormal signaling pathway of dendritic cells loaded by tumor antigen can be overcome by neutralizing VEGF in multiple myeloma. <i>Leukemia Research</i> , 2009, 33, 665-670.	0.4	62
22	Identification of the <i>cadBA</i> operon from <i>Vibrio vulnificus</i> and its influence on survival to acid stress. <i>FEMS Microbiology Letters</i> , 2002, 208, 245-251.	0.7	58
23	Production of <i>Vibrio vulnificus</i> hemolysin in vivo and its pathogenic significance. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 86-91.	1.0	57
24	Direct Identification of <i>Vibrio vulnificus</i> in Clinical Specimens by Nested PCR. <i>Journal of Clinical Microbiology</i> , 1998, 36, 2887-2892.	1.8	55
25	Targeted delivery of mannan-coated superparamagnetic iron oxide nanoparticles to antigen-presenting cells for magnetic resonance-based diagnosis of metastatic lymph nodes in vivo. <i>Acta Biomaterialia</i> , 2011, 7, 3935-3945.	4.1	53
26	Lenalidomide and Programmed Death-1 Blockade Synergistically Enhances the Effects of Dendritic Cell Vaccination in a Model of Murine Myeloma. <i>Frontiers in Immunology</i> , 2018, 9, 1370.	2.2	49
27	RtxA1-induced Expression of the Small GTPase Rac2 Plays a Key Role in the Pathogenicity of <i>Vibrio vulnificus</i> . <i>Journal of Infectious Diseases</i> , 2010, 201, 97-105.	1.9	48
28	Flagellin suppresses experimental asthma by generating regulatory dendritic cells and T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 426-435.	1.5	48
29	Stimulation by TLR5 Modulates Osteoclast Differentiation through STAT1/IFN- γ . <i>Journal of Immunology</i> , 2008, 180, 1382-1389.	0.4	47
30	Contribution of Six Flagellin Genes to the Flagellum Biogenesis of <i>Vibrio vulnificus</i> and In Vivo Invasion. <i>Infection and Immunity</i> , 2014, 82, 29-42.	1.0	44
31	Induction of multiple myeloma-specific cytotoxic T lymphocyte stimulation by dendritic cell pulsing with purified and optimized myeloma cell lysates. <i>Leukemia and Lymphoma</i> , 2007, 48, 2022-2031.	0.6	43
32	A Bacterial RTX Toxin Causes Programmed Necrotic Cell Death Through Calcium-Mediated Mitochondrial Dysfunction. <i>Journal of Infectious Diseases</i> , 2013, 207, 1406-1415.	1.9	42
33	<i>Vibrio vulnificus</i> hemolysin dilates rat thoracic aorta by activating guanylate cyclase. <i>Life Sciences</i> , 1996, 59, PL41-PL47.	2.0	40
34	Essential role of an adenylate cyclase in regulating <i>Vibrio vulnificus</i> virulence. <i>FEMS Microbiology Letters</i> , 2005, 243, 497-503.	0.7	40
35	The <i>pyrH</i> Gene of <i>Vibrio vulnificus</i> Is an Essential In Vivo Survival Factor. <i>Infection and Immunity</i> , 2007, 75, 2795-2801.	1.0	39
36	Protective effect of <i>polygoni cuspidati</i> radix and emodin on <i>Vibrio vulnificus</i> cytotoxicity and infection. <i>Journal of Microbiology</i> , 2008, 46, 737-743.	1.3	39

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37	A phase I clinical study of autologous dendritic cell therapy in patients with relapsed or refractory multiple myeloma. <i>Oncotarget</i> , 2017, 8, 41538-41548.	0.8	39
38	<i>Salmonella enterica</i> Seroovar Gallinarum Requires ppGpp for Internalization and Survival in Animal Cells. <i>Journal of Bacteriology</i> , 2008, 190, 6340-6350.	1.0	38
39	Gene silencing by <i>H₂NS</i> from distal <i>DNA</i> site. <i>Molecular Microbiology</i> , 2012, 86, 707-719.	1.2	37
40	Outer membrane vesicles of <i>Vibrio vulnificus</i> deliver cytolysin hemolysin VvhA into epithelial cells to induce cytotoxicity. <i>Biochemical and Biophysical Research Communications</i> , 2010, 399, 607-612.	1.0	36
41	<i>Vibrio vulnificus</i> Vulnibactin, But Not Metalloprotease VvpE, Is Essentially Required for Iron-Uptake from Human Holotransferrin. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 911-918.	0.6	35
42	Virtual screening identification of novel severe acute respiratory syndrome 3C-like protease inhibitors and in vitro confirmation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3088-3091.	1.0	35
43	Engineering and Visualization of Bacteria for Targeting Infarcted Myocardium. <i>Molecular Therapy</i> , 2011, 19, 951-959.	3.7	35
44	<i>Vibrio vulnificus</i> metalloprotease VvpE is essentially required for swarming. <i>FEMS Microbiology Letters</i> , 2007, 269, 170-179.	0.7	34
45	Combination of Photodynamic Therapy and a Flagellin-Adjuvanted Cancer Vaccine Potentiated the Anti-PD-1-Mediated Melanoma Suppression. <i>Cells</i> , 2020, 9, 2432.	1.8	34
46	Evidence that Expression of the <i>Vibrio vulnificus</i> Hemolysin Gene Is Dependent on Cyclic AMP and Cyclic AMP Receptor Protein. <i>Journal of Bacteriology</i> , 1999, 181, 7639-7642.	1.0	34
47	Enhancement of antitumor effect using dendritic cells activated with natural killer cells in the presence of Toll-like receptor agonist. <i>Experimental and Molecular Medicine</i> , 2010, 42, 407.	3.2	33
48	Flagellin-dependent <i>TLR5</i> /caveolin-1 as a promising immune activator in immunosenescence. <i>Aging Cell</i> , 2015, 14, 907-915.	3.0	32
49	Activated dendritic cells delivered in tissue compatible biomatrices induce <i>in-situ</i> anti-tumor CTL responses leading to tumor regression. <i>Oncotarget</i> , 2016, 7, 39894-39906.	0.8	32
50	<i>Caenorhabditis elegans</i> as a simple model host for <i>Vibrio vulnificus</i> infection. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 751-757.	1.0	31
51	Inhibition of Airway Allergic Disease by Co-Administration of Flagellin with Allergen. <i>Journal of Clinical Immunology</i> , 2008, 28, 157-165.	2.0	30
52	Flagellin is a strong vaginal adjuvant of a therapeutic vaccine for genital cancer. <i>Oncolimmunology</i> , 2016, 5, e1081328.	2.1	29
53	Effect of the <i>crp</i> mutation on the utilization of transferrin-bound iron by <i>Vibrio vulnificus</i> . <i>FEMS Microbiology Letters</i> , 2006, 257, 285-292.	0.7	28
54	Carboxylic mannan-coated iron oxide nanoparticles targeted to immune cells for lymph node-specific MRI in vivo. <i>Carbohydrate Polymers</i> , 2012, 88, 780-788.	5.1	27

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55	A built-in adjuvant-engineered mucosal vaccine against dysbiotic periodontal diseases. <i>Mucosal Immunology</i> , 2019, 12, 565-579.	2.7	27
56	Dendritic cell vaccination with a toll-like receptor agonist derived from mycobacteria enhances anti-tumor immunity. <i>Oncotarget</i> , 2015, 6, 33781-33790.	0.8	27
57	Suppressive Effects of Ginsan on the Development of Allergic Reaction in Murine Asthmatic Model. <i>International Archives of Allergy and Immunology</i> , 2009, 150, 32-42.	0.9	26
58	<i>Vibrio vulnificus</i> RtxA1 Toxin Expression Upon Contact With Host Cells Is RpoS-Dependent. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 70.	1.8	26
59	Immune cell-specific delivery of beta-glucan-coated iron oxide nanoparticles for diagnosing liver metastasis by MR imaging. <i>Carbohydrate Polymers</i> , 2012, 87, 1159-1168.	5.1	22
60	Mannose-poly(ethylene glycol)-linked SPION targeted to antigen presenting cells for magnetic resonance imaging on lymph node. <i>Carbohydrate Polymers</i> , 2013, 92, 1586-1595.	5.1	21
61	Factors influencing preferential utilization of RNA polymerase containing sigma-38 in stationary-phase gene expression in <i>Escherichia coli</i> . <i>Journal of Microbiology</i> , 2004, 42, 103-10.	1.3	21
62	In Vivo Efficacy of the Combination of Ciprofloxacin and Cefotaxime against <i>Vibrio vulnificus</i> Sepsis. <i>PLoS ONE</i> , 2014, 9, e101118.	1.1	20
63	Tetanus toxin fragment C fused to flagellin makes a potent mucosal vaccine. <i>Clinical and Experimental Vaccine Research</i> , 2015, 4, 59.	1.1	20
64	Immune response induced by ppGpp-defective <i>Salmonella enterica</i> serovar Gallinarum in chickens. <i>Journal of Microbiology</i> , 2010, 48, 674-681.	1.3	19
65	Crystal structure of the transcriptional activator HlyU from <i>Vibrio vulnificus</i> CMCP6. <i>FEBS Letters</i> , 2010, 584, 1097-1102.	1.3	18
66	A stealth adhesion factor contributes to <i>Vibrio vulnificus</i> pathogenicity: Fli pili play roles in host invasion, survival in the blood stream and resistance to complement activation. <i>PLoS Pathogens</i> , 2019, 15, e1007767.	2.1	18
67	Tumor Microenvironment-Regulating Immunosenescence-Independent Nanostimulant Synergizing with Near-Infrared Light Irradiation for Antitumor Immunity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4844-4852.	4.0	18
68	All Three TonB Systems Are Required for <i>Vibrio vulnificus</i> CMCP6 Tissue Invasiveness by Controlling Flagellum Expression. <i>Infection and Immunity</i> , 2016, 84, 254-265.	1.0	17
69	Characterization of Prohibitin 1 as a Host Partner of <i>Vibrio vulnificus</i> RtxA1 Toxin. <i>Journal of Infectious Diseases</i> , 2016, 213, 131-138.	1.9	17
70	Intranasal immunization with a flagellin-adjuvanted peptide anticancer vaccine prevents tumor development by enhancing specific cytotoxic T lymphocyte response in a mouse model. <i>Clinical and Experimental Vaccine Research</i> , 2013, 2, 128.	1.1	16
71	Deimmunization of flagellin for repeated administration as a vaccine adjuvant. <i>Npj Vaccines</i> , 2021, 6, 116.	2.9	16
72	DNA looping-dependent autorepression of <i>LEE1</i> P1 promoters by Ler in enteropathogenic <i>Escherichia coli</i> (EPEC). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2586-95.	3.3	15

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73	Inactivation of <i>Vibrio vulnificus</i> Hemolysin by Oligomerization but Not Proteolysis. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 1294-1297.	0.6	14
74	<i>Vibrio vulnificus</i> metalloprotease VvpE has no direct effect on the iron-assimilation from human holotransferrin. <i>FEMS Microbiology Letters</i> , 2005, 247, 221-229.	0.7	14
75	Proteomic analysis of pathogenic bacterium <i>Vibrio vulnificus</i> . <i>Proteomics</i> , 2006, 6, 1283-1289.	1.3	14
76	Effects of Pyrogallol on Growth and Cytotoxicity of Wild-Type and <i>katG</i> Mutant Strains of <i>Vibrio vulnificus</i> . <i>PLoS ONE</i> , 2016, 11, e0167699.	1.1	14
77	More robust gut immune responses induced by combining intranasal and sublingual routes for prime-boost immunization. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 2194-2202.	1.4	13
78	Mucosal immunization with a flagellin-adjuvanted Hgp44 vaccine enhances protective immune responses in a murine <i>Porphyromonas gingivalis</i> infection model. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 2794-2803.	1.4	12
79	A Fusion Protein of Derp2 Allergen and Flagellin Suppresses Experimental Allergic Asthma. <i>Allergy, Asthma and Immunology Research</i> , 2019, 11, 254.	1.1	12
80	Evolution of the Tumor Microenvironment toward Immune-Suppressive Seclusion during Brain Metastasis of Breast Cancer: Implications for Targeted Therapy. <i>Cancers</i> , 2021, 13, 4895.	1.7	11
81	<i>Vibrio vulnificus</i> RtxA1 cytotoxin targets filamin A to regulate PAK1- and MAPK-dependent cytoskeleton reorganization and cell death. <i>Emerging Microbes and Infections</i> , 2019, 8, 934-945.	3.0	10
82	Swarming differentiation of <i>vibrio vulnificus</i> downregulates the expression of the <i>vvhBA</i> hemolysin gene via the LuxS quorum-sensing system. <i>Journal of Microbiology</i> , 2006, 44, 226-32.	1.3	10
83	An all-in-one adjuvanted therapeutic cancer vaccine targeting dendritic cell cytosol induces long-lived tumor suppression through NLRC4 inflammasome activation. <i>Biomaterials</i> , 2022, 286, 121542.	5.7	10
84	Crystal Structure and Functional Studies Reveal that PAS Factor from <i>Vibrio vulnificus</i> is a Novel Member of the Saposin-fold Family. <i>Journal of Molecular Biology</i> , 2006, 355, 491-500.	2.0	8
85	Safety and vaccine efficacy of an attenuated <i>Vibrio vulnificus</i> strain with deletions in major cytotoxin genes. <i>FEMS Microbiology Letters</i> , 2015, 362, fmv169.	0.7	7
86	Flagellin Modulates the Function of Invariant NKT Cells From Patients With Asthma via Dendritic Cells. <i>Allergy, Asthma and Immunology Research</i> , 2016, 8, 206.	1.1	6
87	Lipocalin2 Induced by Bacterial Flagellin Protects Mice against Cyclophosphamide Mediated Neutropenic Sepsis. <i>Microorganisms</i> , 2020, 8, 646.	1.6	6
88	Solitary Fibrous Tumor/Hemangiopericytoma Metastasizes Extracranially, Associated with Altered Expression of WNT5A and MMP9. <i>Cancers</i> , 2021, 13, 1142.	1.7	6
89	DIDS inhibits <i>Vibrio vulnificus</i> cytotoxicity by interfering with TolC-mediated RtxA1 toxin secretion. <i>European Journal of Pharmacology</i> , 2020, 884, 173407.	1.7	3
90	Novel short peptide tag from a bacterial toxin for versatile applications. <i>Journal of Immunological Methods</i> , 2020, 479, 112750.	0.6	3

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91	Destructive Intestinal Translocation of <i>Vibrio vulnificus</i> Determines Successful Oral Infection. Journal of Bacteriology and Virology, 2013, 43, 262.	0.0	1
92	The cytochrome d oxidase complex regulated by fexA is an Achilles' heel in the <i>in vivo</i> survival of <i>Vibrio vulnificus</i> . Emerging Microbes and Infections, 2019, 8, 1406-1415.	3.0	1
93	Toll-Like Receptor Ligands as Cancer Immunotherapeutics. Journal of Bacteriology and Virology, 2012, 42, 255.	0.0	0
94	Vibrio parahaemolyticus Flagellin Stimulates the Maturation of Human Monocyte-Derived Dendritic Cells and Elicits Th1-Type Immune Response.. Blood, 2005, 106, 3872-3872.	0.6	0