

# Ho Seong Seo

## List of Publications by Year in descending order

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86  
papers

1,702  
citations

279701

23  
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330025

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docs citations

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times ranked

2226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of humoral and cellular immune features of gamma-irradiated influenza vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2021, 17, 485-496.	1.4	8
2	Galangin treatment during dendritic cell differentiation confers tolerogenic properties in response to lipopolysaccharide stimulation. <i>Journal of Nutritional Biochemistry</i> , 2021, 87, 108524.	1.9	6
3	Bombyx batryticatus Protein-Rich Extract Induces Maturation of Dendritic Cells and Th1 Polarization: A Potential Immunological Adjuvant for Cancer Vaccine. <i>Molecules</i> , 2021, 26, 476.	1.7	10
4	Salmonella Vaccine Vector System for Foot-and-Mouth Disease Virus and Evaluation of Its Efficacy with Virus-Like Particles. <i>Vaccines</i> , 2021, 9, 22.	2.1	2
5	Roles of the Fc Receptor $\hat{3}$ -Chain in Inducing Protective Immune Responses after Heterologous Vaccination against Respiratory Syncytial Virus Infection. <i>Vaccines</i> , 2021, 9, 232.	2.1	0
6	Chrysin Derivative CM1 and Exhibited Anti-Inflammatory Action by Upregulating Toll-Interacting Protein Expression in Lipopolysaccharide-Stimulated RAW264.7 Macrophage Cells. <i>Molecules</i> , 2021, 26, 1532.	1.7	5
7	Immune Responses to Irradiated Pneumococcal Whole Cell Vaccine. <i>Vaccines</i> , 2021, 9, 405.	2.1	1
8	Bi-functional gold nanocages enhance specific immunological responses of foot-and-mouth disease virus-like particles vaccine as a carrier and adjuvant. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 33, 102358.	1.7	10
9	Development and Validation of Enzyme-Linked Immunosorbent Assay for Group B Streptococcal Polysaccharide Vaccine. <i>Vaccines</i> , 2021, 9, 545.	2.1	3
10	Inhibition of Fibrinolysis by Streptococcal Phage Lysin <sub>SM1</sub>. <i>MBio</i> , 2021, 12, e0074621.	1.8	0
11	Immunoregulatory properties of a crude extraction fraction rich in polysaccharide from <i>Chrysanthemum zawadskii</i> Herbich var. <i>latilobum</i> and its potential role as a vaccine adjuvant. <i>International Immunopharmacology</i> , 2021, 95, 107513.	1.7	6
12	Complete Genome Sequence of <i>Streptococcus oralis</i> SF100, Isolated from Blood Cultures from a Patient with Infective Endocarditis. <i>Microbiology Resource Announcements</i> , 2021, 10, e0017621.	0.3	1
13	Lack of the Bacterial Phytochrome Protein Decreases <i>Deinococcus radiodurans</i> Resistance to Mitomycin C. <i>Frontiers in Microbiology</i> , 2021, 12, 659233.	1.5	1
14	Protective Effect of Polysaccharides Extracted from <i>Cudrania tricuspidata</i> Fruit against Cisplatin-Induced Cytotoxicity in Macrophages and a Mouse Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7512.	1.8	6
15	Radiation-Inactivated <i>S. gallinarum</i> Vaccine Provides a High Protective Immune Response by Activating Both Humoral and Cellular Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 717556.	2.2	9
16	Molecular Characteristics of IS 1216 Carrying Multidrug Resistance Gene Cluster in Serotype III/Sequence Type 19 Group B <i>Streptococcus</i> . <i>MSphere</i> , 2021, 6, e0054321.	1.3	3
17	Immunostimulatory Potential of Extracellular Vesicles Isolated from an Edible Plant, <i>Petasites japonicus</i> , via the Induction of Murine Dendritic Cell Maturation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10634.	1.8	21
18	Induction of Apoptotic Cell Death by Oral Streptococci in Human Periodontal Ligament Cells. <i>Frontiers in Microbiology</i> , 2021, 12, 738047.	1.5	4

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19	Structural and Biochemical Characterization of Thioredoxin-2 from <i>Deinococcus radiodurans</i> . <i>Antioxidants</i> , 2021, 10, 1843.	2.2	7
20	<i>Deinococcus radiodurans</i> Exopolysaccharide Inhibits <i>Staphylococcus aureus</i> Biofilm Formation. <i>Frontiers in Microbiology</i> , 2021, 12, 712086.	1.5	5
21	Age-stratified analysis of serotype-specific baseline immunity against group B streptococcus. <i>Human Vaccines and Immunotherapeutics</i> , 2020, 16, 1338-1344.	1.4	4
22	Antioxidant Activities of an Exopolysaccharide (DeinoPol) Produced by the Extreme Radiation-Resistant Bacterium <i>Deinococcus radiodurans</i> . <i>Scientific Reports</i> , 2020, 10, 55.	1.6	33
23	NLRP3 inflammasome activation by Foot-and-mouth disease virus infection mainly induced by viral RNA and non-structural protein 2B. <i>RNA Biology</i> , 2020, 17, 335-349.	1.5	35
24	Enhanced biofilm formation of <i>Streptococcus gordonii</i> with lipoprotein deficiency. <i>Molecular Oral Microbiology</i> , 2020, 35, 271-278.	1.3	3
25	Comparison of Exosomes Derived from Non- and Gamma-Irradiated Melanoma Cancer Cells as a Potential Antigenic and Immunogenic Source for Dendritic Cell-Based Immunotherapeutic Vaccine. <i>Vaccines</i> , 2020, 8, 699.	2.1	15
26	<i>Hymenobacter baengnokdamensis</i> sp. nov., Isolated from the Soil of a Crater Lake in Korea. <i>Current Microbiology</i> , 2020, 77, 4167-4173.	1.0	8
27	Edible <i>Oxya chinensis sinuosa</i> Derived Protein as a Potential Nutraceutical for Anticancer Immunity Improvement. <i>Nutrients</i> , 2020, 12, 3236.	1.7	7
28	Irradiation-Induced Intestinal Damage Is Recovered by the Indigenous Gut Bacteria <i>Lactobacillus acidophilus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 415.	1.8	12
29	Promotion of Cellular and Humoral Immunity against Foot-and-Mouth Disease Virus by Immunization with Virus-Like Particles Encapsulated in Monophosphoryl Lipid A and Liposomes. <i>Vaccines</i> , 2020, 8, 633.	2.1	9
30	ptsI gene in the phosphotransfer system is a potential target for developing a live attenuated <i>Salmonella</i> vaccine. <i>International Journal of Molecular Medicine</i> , 2020, 45, 1327-1340.	1.8	2
31	Development of Oxytolerant <i>Salmonella typhimurium</i> Using Radiation Mutation Technology (RMT) for Cancer Therapy. <i>Scientific Reports</i> , 2020, 10, 3764.	1.6	16
32	Understanding the multifaceted roles of the phosphoenolpyruvate: Phosphotransferase system in regulation of <i>Salmonella</i> virulence using a mutant defective in ptsI and crr expression. <i>Microbiological Research</i> , 2019, 223-225, 63-71.	2.5	13
33	Changes in soil taxonomic and functional diversity resulting from gamma irradiation. <i>Scientific Reports</i> , 2019, 9, 7894.	1.6	15
34	Sec62 Suppresses Foot-and-Mouth Disease Virus Proliferation by Promotion of IRE1 $\alpha$ -RIG-I Antiviral Signaling. <i>Journal of Immunology</i> , 2019, 203, 429-440.	0.4	6
35	Serotype-Independent Protection Against Invasive Pneumococcal Infections Conferred by Live Vaccine With Igt Deletion. <i>Frontiers in Immunology</i> , 2019, 10, 1212.	2.2	14
36	Crystal structure of the highly radiation-inducible DinB/YfiT superfamily protein DR0053 from <i>Deinococcus radiodurans</i> R1. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 354-359.	1.0	4

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37	Truncated TALE-FP as DNA Staining Dye in a High-salt Buffer. <i>Scientific Reports</i> , 2019, 9, 17197.	1.6	9
38	Effective mucosal live attenuated <i>Salmonella</i> vaccine by deleting phosphotransferase system component genes <i>ptsI</i> and <i>crr</i> . <i>Journal of Microbiology</i> , 2019, 57, 64-73.	1.3	10
39	Vaccination With a Latch Peptide Provides Serotype-Independent Protection Against Group B <i>Streptococcus</i> Infection in Mice. <i>Journal of Infectious Diseases</i> , 2018, 217, 93-102.	1.9	13
40	Development of a multiplexed opsonophagocytic killing assay (MOPA) for group B <i>Streptococcus</i> . <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 67-73.	1.4	15
41	2282. Age-Stratified Analysis of Serotype-Specific Immunity Against Group B <i>Streptococcus</i> . <i>Open Forum Infectious Diseases</i> , 2018, 5, S676-S676.	0.4	0
42	Lipoproteins in <i>Streptococcus gordonii</i> are critical in the infection and inflammatory responses. <i>Molecular Immunology</i> , 2018, 101, 574-584.	1.0	17
43	Status of group B streptococcal vaccine development. <i>Clinical and Experimental Vaccine Research</i> , 2018, 7, 76.	1.1	51
44	Gamma-irradiation of <i>Streptococcus pneumoniae</i> for the use as an immunogenic whole cell vaccine. <i>Journal of Microbiology</i> , 2018, 56, 579-585.	1.3	18
45	Th17 activation by dendritic cells stimulated with gamma-irradiated <i>Streptococcus pneumoniae</i> . <i>Molecular Immunology</i> , 2018, 101, 344-352.	1.0	9
46	Progress toward a group B streptococcal vaccine. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 1-13.	1.4	29
47	Gamma-irradiation-killed <i>Streptococcus pneumoniae</i> potently induces the expression of IL-6 and IL-8 in human bronchial epithelial cells. <i>Microbial Pathogenesis</i> , 2018, 124, 38-46.	1.3	7
48	Molecular characterization of pneumococcal surface protein K, a potential pneumococcal vaccine antigen. <i>Virulence</i> , 2017, 8, 875-890.	1.8	11
49	<i>Streptococcus gordonii</i> induces nitric oxide production through its lipoproteins stimulating Toll-like receptor 2 in murine macrophages. <i>Molecular Immunology</i> , 2017, 82, 75-83.	1.0	15
50	<i>Streptococcus gordonii</i> lipoproteins induce IL-8 in human periodontal ligament cells. <i>Molecular Immunology</i> , 2017, 91, 218-224.	1.0	27
51	ER stress and S1P orchestrate a novel stress-specific signals to stimulate cathelicidin antimicrobial peptide production. <i>Journal of Dermatological Science</i> , 2017, 86, e41.	1.0	0
52	Serine-Rich Repeat Adhesins Contribute to <i>Streptococcus gordonii</i> -Induced Maturation of Human Dendritic Cells. <i>Frontiers in Microbiology</i> , 2017, 8, 523.	1.5	4
53	Opsonophagocytic Antibodies to Serotype Ia, Ib, and III Group B <i>Streptococcus</i> among Korean Infants and in Intravenous Immunoglobulin Products. <i>Journal of Korean Medical Science</i> , 2017, 32, 737.	1.1	4
54	Aquatide Activation of SIRT1 Reduces Cellular Senescence through a SIRT1-FOXO1-Autophagy Axis. <i>Biomolecules and Therapeutics</i> , 2017, 25, 511-518.	1.1	41

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55	Transcriptional Analysis of the <i>agB</i> within <i>Salmonella</i> Pathogenicity Island 1 (SPI1). <i>Journal of Bacteriology and Virology</i> , 2016, 46, 128.	0.0	1
56	Unraveling Fungal Radiation Resistance Regulatory Networks through the Genome-Wide Transcriptome and Genetic Analyses of <i>Cryptococcus neoformans</i> . <i>MBio</i> , 2016, 7, .	1.8	46
57	Two ceramide metabolites, sphingosine-1-phosphate and ceramide-1-phosphate signal to stimulate innate immunity through independent mechanisms. <i>Journal of Dermatological Science</i> , 2016, 84, e69.	1.0	1
58	Serine-rich Repeat Adhesin <i>Gordonii</i> Surface Protein B is Important for <i>Streptococcus gordonii</i> Biofilm Formation. <i>Journal of Endodontics</i> , 2016, 42, 1767-1772.	1.4	10
59	PprM is necessary for up-regulation of <i>katE1</i> , encoding the major catalase of <i>Deinococcus radiodurans</i> , under unstressed culture conditions. <i>Journal of Microbiology</i> , 2016, 54, 426-431.	1.3	14
60	Engineering Synthetic Multistress Tolerance in <i>Escherichia coli</i> by Using a <i>Deinococcal</i> Response Regulator, DR1558. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1154-1166.	1.4	23
61	ER stress stimulates production of the key antimicrobial peptide, cathelicidin, by forming a previously unidentified intracellular S1P signaling complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1334-42.	3.3	77
62	The three catalases in <i>Deinococcus radiodurans</i> : Only two show catalase activity. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 443-448.	1.0	29
63	Melittin, a honeybee venom-derived antimicrobial peptide, may target methicillin-resistant <i>Staphylococcus aureus</i> . <i>Molecular Medicine Reports</i> , 2015, 12, 6483-6490.	1.1	91
64	Application of radiation technology in vaccines development. <i>Clinical and Experimental Vaccine Research</i> , 2015, 4, 145.	1.1	52
65	Transcriptional Profiling of an Attenuated <i>Salmonella Typhimurium</i> Mutant Strain Under Low-oxygen Conditions using Microarray Analysis. <i>Journal of Bacteriology and Virology</i> , 2015, 45, 200.	0.0	4
66	Expression and Mutational Analysis of DinB-Like Protein DR0053 in <i>Deinococcus radiodurans</i> . <i>PLoS ONE</i> , 2015, 10, e0118275.	1.1	14
67	TLR2, but not TLR4, plays a predominant role in the immune responses to cholera vaccines. <i>Journal of Leukocyte Biology</i> , 2015, 98, 661-669.	1.5	7
68	Binding of the <i>Streptococcus gordonii</i> Surface Glycoprotein Hsa to $\alpha(2-3)$ Linked Sialic Acid Residues on Fibronectin. <i>Journal of Bacteriology and Virology</i> , 2014, 44, 317.	0.0	1
69	Increased OPC/RANKL ratio in the conditioned medium of soybean-treated osteoblasts suppresses RANKL-induced osteoclast differentiation. <i>International Journal of Molecular Medicine</i> , 2014, 33, 178-184.	1.8	33
70	An Endoplasmic Reticulum Stress-Initiated Sphingolipid Metabolite, Ceramide-1-Phosphate, Regulates Epithelial Innate Immunity by Stimulating $\beta$ -Defensin Production. <i>Molecular and Cellular Biology</i> , 2014, 34, 4368-4378.	1.1	25
71	Group B Streptococcal Serine-Rich Repeat Proteins Promote Interaction With Fibrinogen and Vaginal Colonization. <i>Journal of Infectious Diseases</i> , 2014, 210, 982-991.	1.9	71
72	The dietary ingredient, genistein, stimulates cathelicidin antimicrobial peptide expression through a novel S1P-dependent mechanism. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 734-740.	1.9	27

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73	Cutaneous Immune Defenses Against <i>Staphylococcus aureus</i> Infections. <i>Journal of Lifestyle Medicine</i> , 2014, 4, 39-46.	0.3	5
74	Role of the Serine-Rich Surface Glycoprotein Srr1 of <i>Streptococcus agalactiae</i> in the Pathogenesis of Infective Endocarditis. <i>PLoS ONE</i> , 2013, 8, e64204.	1.1	41
75	Characterization of Fibrinogen Binding by Glycoproteins Srr1 and Srr2 of <i>Streptococcus agalactiae</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 35982-35996.	1.6	78
76	Lipoteichoic acid of <i>Enterococcus faecalis</i> induces the expression of chemokines via TLR2 and PAFR signaling pathways. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1275-1284.	1.5	46
77	Binding of Glycoprotein Srr1 of <i>Streptococcus agalactiae</i> to Fibrinogen Promotes Attachment to Brain Endothelium and the Development of Meningitis. <i>PLoS Pathogens</i> , 2012, 8, e1002947.	2.1	93
78	Characterization of the Fibrinogen Binding Domain of Bacteriophage Lysin from <i>Streptococcus mitis</i> . <i>Infection and Immunity</i> , 2011, 79, 3518-3526.	1.0	14
79	Bacteriophage Lysin Mediates the Binding of <i>Streptococcus mitis</i> to Human Platelets through Interaction with Fibrinogen. <i>PLoS Pathogens</i> , 2010, 6, e1001047.	2.1	56
80	Lipoprotein Lipase and Hydrofluoric Acid Deactivate Both Bacterial Lipoproteins and Lipoteichoic Acids, but Platelet-Activating Factor-Acetylhydrolase Degrades Only Lipoteichoic Acids. <i>Vaccine Journal</i> , 2009, 16, 1187-1195.	3.2	15
81	Lipoteichoic Acid Is Important in Innate Immune Responses to Gram-Positive Bacteria. <i>Infection and Immunity</i> , 2008, 76, 206-213.	1.0	78
82	A New Model of Pneumococcal Lipoteichoic Acid Structure Resolves Biochemical, Biosynthetic, and Serologic Inconsistencies of the Current Model. <i>Journal of Bacteriology</i> , 2008, 190, 2379-2387.	1.0	69
83	Platelet-Activating Factor-Acetylhydrolase Can Monodeacylate and Inactivate Lipoteichoic Acid. <i>Vaccine Journal</i> , 2006, 13, 452-458.	3.2	7
84	Lipoteichoic Acid-Induced Nitric Oxide Production Depends on the Activation of Platelet-Activating Factor Receptor and Jak2. <i>Journal of Immunology</i> , 2006, 176, 573-579.	0.4	60
85	Monoacyl Lipoteichoic Acid from Pneumococci Stimulates Human Cells but Not Mouse Cells. <i>Infection and Immunity</i> , 2005, 73, 834-840.	1.0	24
86	Development of Live Attenuated <i>Salmonella Typhimurium</i> Vaccine Strain Using Radiation Mutation Enhancement Technology (R-MET). <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6