

# Jin Cheol Yoo

## List of Publications by Year in descending order

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84  
papers

1,429  
citations

361296

20  
h-index

414303

32  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1569  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel fibrinolytic protease from <i>Streptomyces</i> sp. CS684. <i>Process Biochemistry</i> , 2010, 45, 88-93.	1.8	84
2	A novel alkaline lipase from <i>Ralstonia</i> with potential application in biodiesel production. <i>Bioresource Technology</i> , 2011, 102, 6104-6111.	4.8	68
3	A novel antioxidant peptide, purified from <i>Bacillus amyloliquefaciens</i> , showed strong antioxidant potential via Nrf-2 mediated heme oxygenase-1 expression. <i>Food Chemistry</i> , 2018, 239, 502-510.	4.2	59
4	Purification and characterization of a novel, highly potent fibrinolytic enzyme from <i>Paecilomyces tenuipes</i> . <i>Process Biochemistry</i> , 2011, 46, 1545-1553.	1.8	51
5	Reversal of P-glycoprotein-mediated multidrug resistance by 5,6,7,3,4-pentamethoxyflavone (Sinensetin). <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 832-840.	1.0	50
6	Production and biological activity of laidlomycin, anti-MRSA/VRE antibiotic from <i>Streptomyces</i> sp. CS684. <i>Journal of Microbiology</i> , 2007, 45, 6-10.	1.3	47
7	A low molecular weight chymotrypsin-like novel fibrinolytic enzyme from <i>Streptomyces</i> sp. CS624. <i>Process Biochemistry</i> , 2011, 46, 1449-1455.	1.8	46
8	Production, isolation and biological activity of nargenicin from <i>Nocardia</i> sp. CS682. <i>Archives of Pharmacal Research</i> , 2008, 31, 1339-1345.	2.7	45
9	A novel thermostable cellulase free xylanase stable in broad range of pH from <i>Streptomyces</i> sp. CS428. <i>Process Biochemistry</i> , 2013, 48, 1188-1196.	1.8	43
10	Purification, biochemical properties and antithrombotic effect of a novel <i>Streptomyces</i> enzyme on carrageenan-induced mice tail thrombosis model. <i>Thrombosis Research</i> , 2012, 129, 176-182.	0.8	37
11	Purification and characterization of chitinase showing antifungal and biodegradation properties obtained from <i>Streptomyces anulatus</i> CS242. <i>Archives of Pharmacal Research</i> , 2016, 39, 878-886.	2.7	35
12	An organic solvent-tolerant lipase from <i>Streptomyces</i> sp. CS133 for enzymatic transesterification of vegetable oils in organic media. <i>Process Biochemistry</i> , 2012, 47, 635-642.	1.8	34
13	Selective determination of dopamine with an amperometric biosensor using electrochemically pretreated and activated carbon/tyrosinase/Nafion <sup>®</sup> -modified glassy carbon electrode. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 627-633.	1.4	31
14	An organic solvent-tolerant alkaline lipase from <i>Streptomyces</i> sp. CS268 and its application in biodiesel production. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 67-75.	1.4	29
15	Antimicrobial peptide isolated from <i>Bacillus amyloliquefaciens</i> K14 revitalizes its use in combinatorial drug therapy. <i>Folia Microbiologica</i> , 2017, 62, 127-138.	1.1	29
16	Glycin-rich antimicrobial peptide YD1 from <i>B. amyloliquefaciens</i> , induced morphological alteration in and showed affinity for plasmid DNA of <i>E. coli</i> . <i>AMB Express</i> , 2017, 7, 8.	1.4	25
17	A multi-tolerant low molecular weight mannanase from <i>Bacillus</i> sp. CSB39 and its compatibility as an industrial biocatalyst. <i>Enzyme and Microbial Technology</i> , 2016, 92, 76-85.	1.6	24
18	Nargenicin enhances 1,25-dihydroxyvitamin D3- and all-trans retinoic acid-induced leukemia cell differentiation via PKC $\beta$ /MAPK pathways. <i>Biochemical Pharmacology</i> , 2009, 77, 1694-1701.	2.0	23

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19	An extremely alkaline mannanase from <i>Streptomyces</i> sp. CS428 hydrolyzes galactomannan producing series of mannooligosaccharides. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 84.	1.7	23
20	Enhanced Production of Nargenicin A1 and Generation of Novel Glycosylated Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 2934-2949.	1.4	22
21	Anticancer activity and antioxidant potential of <i>Aponogeton undulatus</i> against Ehrlich ascites carcinoma cells in Swiss albino mice. <i>Oncology Letters</i> , 2017, 14, 3169-3176.	0.8	21
22	Purification and biochemical properties of phospholipase d (PLD57) produced by <i>Streptomyces</i> sp. CS-57. <i>Archives of Pharmacal Research</i> , 2007, 30, 1302-1308.	2.7	20
23	An Extremely Alkaline Novel Xylanase from a Newly Isolated <i>Streptomyces</i> Strain Cultivated in Corncob Medium. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2017-2027.	1.4	20
24	A novel alkalo- and thermostable phospholipase D from <i>Streptomyces olivochromogenes</i> . <i>Biotechnology Letters</i> , 2009, 31, 429-435.	1.1	19
25	A novel low molecular weight phospholipase D from <i>Streptomyces</i> sp. CS684. <i>Bioresource Technology</i> , 2009, 100, 1388-1393.	4.8	19
26	Endoglucanase Produced by <i>Bacillus subtilis</i> Strain CBS31: Biochemical Characterization, Thermodynamic Study, Enzymatic Hydrolysis, and Bio-industrial Applications. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 104-116.	1.4	19
27	Antimicrobial peptide from <i>Bacillus subtilis</i> CSB138: characterization, killing kinetics, and synergistic potency. <i>International Microbiology</i> , 2017, 20, 43-53.	1.1	19
28	A newly isolated <i>Streptomyces</i> sp. CS392 producing three antimicrobial compounds. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 247-254.	1.7	18
29	Transesterification of Waste Cooking Oil by an Organic Solvent-Tolerant Alkaline Lipase from <i>Streptomyces</i> sp. CS273. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1377-1389.	1.4	18
30	Highly sensitive and selective dopamine detection by an amperometric biosensor based on tyrosinase/MWNT/GCE. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3442-3447.	1.2	18
31	Short Synthesis and Antiviral Activity of Acyclic Phosphonic Acid Nucleoside Analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2009, 28, 150-164.	0.4	16
32	Metabolic Engineering of <i>Nocardia</i> sp. CS682 for Enhanced Production of Nargenicin A1. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 805-817.	1.4	16
33	A Novel Peptide Oligomer of Bacitracin Induces M1 Macrophage Polarization by Facilitating Ca <sup>2+</sup> Influx. <i>Nutrients</i> , 2020, 12, 1603.	1.7	16
34	A novel thermotolerant and acidotolerant peptide produced by a <i>Bacillus</i> strain newly isolated from a fermented food (kimchi) shows activity against multidrug-resistant bacteria. <i>International Journal of Antimicrobial Agents</i> , 2012, 40, 80-83.	1.1	15
35	Production of Novel Polygalacturonase from <i>Bacillus paralicheniformis</i> CBS32 and Application to Depolymerization of Ramie Fiber. <i>Polymers</i> , 2019, 11, 1525.	2.0	15
36	Reduction of Oxidative Stress through Activating the Nrf2 mediated HO-1 Antioxidant Efficacy Signaling Pathway by MS15, an Antimicrobial Peptide from <i>Bacillus velezensis</i> . <i>Antioxidants</i> , 2020, 9, 934.	2.2	15

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37	Activation of Nrf2/HO-1 by Peptide YD1 Attenuates Inflammatory Symptoms through Suppression of TLR4/MYD88/NF- $\kappa$ B Signaling Cascade. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5161.	1.8	15
38	A neutral lipase applicable in biodiesel production from a newly isolated <i>Streptomyces</i> sp. CS326. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 227-234.	1.7	14
39	Prevalence and characterization of vancomycin-resistant enterococci in chicken intestines and humans of Korea. <i>Archives of Pharmacological Research</i> , 2004, 27, 246-253.	2.7	13
40	Immobilization of an alkaline endopolygalacturonase purified from <i>Bacillus paralicheniformis</i> exhibits bioscouring of cotton fabrics. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1425-1436.	1.7	13
41	Inhibition of Interleukin-12 Production in Mouse Macrophages via Suppression of Nuclear Factor- $\kappa$ B Binding Activity by <i>Phyllostachys nigra</i> var. <i>henonis</i> . <i>Immunopharmacology and Immunotoxicology</i> , 2007, 29, 131-139.	1.1	12
42	Biosynthesis of dTDP-6-deoxy- $\alpha$ -D-allose, biochemical characterization of dTDP-4-keto-6-deoxyglucose reductase (GerKI) from <i>Streptomyces</i> sp. KCTC 0041BP. <i>Glycobiology</i> , 2006, 17, 119-126.	1.3	11
43	A new thermolabile alkaline phospholipase D from <i>Streptomyces</i> sp. CS628. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 595-602.	1.4	11
44	Effect of Different Biosynthetic Precursors on the Production of Nargenicin A1 from Metabolically Engineered <i>Nocardia</i> sp. CS682. <i>Journal of Microbiology and Biotechnology</i> , 2012, 22, 1127-1132.	0.9	11
45	A novel low-molecular weight alkaline mannanase from <i>Streptomyces tendae</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 453-461.	1.4	11
46	An Extracellular Chitinase from <i>Streptomyces</i> sp. CS147 Releases N-acetyl-d-glucosamine (GlcNAc) as Principal Product. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 372-386.	1.4	11
47	Response Surface Optimization of Culture Conditions for Cyclic Lipopeptide MS07 from <i>Bacillus siamensis</i> Reveals Diverse Insights Targeting Antimicrobial and Antibiofilm Activity. <i>Processes</i> , 2020, 8, 744.	1.3	11
48	A novel multifunctional peptide oligomer of bacitracin with possible bioindustrial and therapeutic applications from a Korean food-source <i>Bacillus</i> strain. <i>PLoS ONE</i> , 2017, 12, e0176971.	1.1	11
49	Improvement of clavulanic acid production in <i>Streptomyces clavuligerus</i> by genetic manipulation of structural biosynthesis genes. <i>Biotechnology Letters</i> , 2011, 33, 1221-1226.	1.1	10
50	Induction of cytochrome P450 3A1 expression by diallyl disulfide: Protective effects against cyclophosphamide-induced embryo-fetal developmental toxicity. <i>Food and Chemical Toxicology</i> , 2014, 69, 312-319.	1.8	10
51	Nargenicin attenuates lipopolysaccharide-induced inflammatory responses in BV-2 cells. <i>NeuroReport</i> , 2009, 20, 1007-1012.	0.6	9
52	An Oxidant- and Organic Solvent-Resistant Alkaline Metalloprotease from <i>Streptomyces olivochromogenes</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1457-1470.	1.4	9
53	Biochemical and Thermodynamic Characterization of a Novel, Low Molecular Weight Xylanase from <i>Bacillus methylotrophicus</i> CSB40 Isolated from Traditional Korean Food. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 126-142.	1.4	9
54	Enhancement of 1,25-Dihydroxyvitamin D <sub>3</sub> and all-TransRetinoic Acid-Induced Differentiation of Human Leukemia HL-60 Cells by <i>Phyllostachys nigra</i> var. <i>henonis</i> . <i>Immunopharmacology and Immunotoxicology</i> , 2007, 29, 119-129.	1.1	8

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55	Efficient Synthesis of 4- $\beta$ -Cyclopropylated Carbovir Analogues with Use of Ring-Closing Metathesis from Glycolate. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008, 27, 1186-1196.	0.4	8
56	A novel Ca <sup>2+</sup> -dependent phospholipase D from <i>Streptomyces tendae</i> , possessing only hydrolytic activity. <i>Archives of Pharmacal Research</i> , 2009, 32, 1461-1467.	2.7	8
57	A Novel Low Molecular Weight Endo-xylanase from <i>Streptomyces</i> sp. CS628 Cultivated in Wheat Bran. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 1469-1480.	1.4	8
58	Synthesis and Conformation of Novel 4'-Fluorinated 5'-Deoxythreosyl Phosphonic Acid Nucleosides as Antiviral Agents. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 4007-4014.	1.0	8
59	Quantitative analysis of nargenicin in <i>Nocardia</i> sp. CS682 culture by high performance liquid chromatography. <i>Archives of Pharmacal Research</i> , 2009, 32, 335-340.	2.7	7
60	Biosynthetic approach for the production of new aminoglycoside derivative. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 109-112.	1.1	7
61	A novel cold-adapted lipase, LP28, from a mesophilic <i>Streptomyces</i> strain. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 217-225.	1.7	7
62	An ammonium sulfate sensitive chitinase from <i>Streptomyces</i> sp. CS501. <i>Archives of Pharmacal Research</i> , 2014, 37, 1522-1529.	2.7	7
63	Synthesis and anti-HCV Evaluation of 4- $\beta$ -( $\pm$ )-ethyl and 2- $\beta$ -( $\pm$ )-methyl-carbodine Analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2009, 28, 809-820.	0.4	6
64	Cloning and characterization of CalS7 from <i>Micromonospora echinospora</i> sp. calichensis as a glucose-1-phosphate nucleotidyltransferase. <i>Biotechnology Letters</i> , 2009, 31, 147-153.	1.1	6
65	Synthesis of Novel Difluoro-Cyclopropyl Guanine Nucleosides and Their Phosphonate Analogues as Potent Antiviral Agents. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2011, 30, 945-960.	0.4	6
66	Paired-termini antisense RNA mediated inhibition of DoxR in <i>Streptomyces peucetius</i> ATCC 27952. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 381-388.	1.4	6
67	A multifunctional alanine-rich anti-inflammatory peptide BCP61 showed potent inhibitory effects by inhibiting both NF- $\kappa$ B and MAPK expression. <i>Inflammation</i> , 2017, 40, 688-696.	1.7	6
68	Purification and identification of novel alkaline pectinase PNs31 from <i>Bacillus subtilis</i> CBS31 and its immobilization for bioindustrial applications. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1942-1950.	1.2	6
69	Characterization of RbmD (Glycosyltransferase in Ribostamycin Gene Cluster) through Neomycin Production Reconstituted from the Engineered <i>Streptomyces fradiae</i> BS1. <i>Molecules and Cells</i> , 2009, 27, 83-88.	1.0	5
70	<p>Comparative Analysis Of Anticholinergics Prescribed To Elderly Patients At A Korean Long-Term Care Facility According To Beers Criteria 2003, 2012, And 2015 And Anticholinergic-Burden Rating Scales: A Cross-Sectional Retrospective Study</p>. <i>Clinical Interventions in Aging</i> , 2019, Volume 14, 1963-1974.	1.3	5
71	Monoclonal antibody production and immunochemical detection of polyether antibiotics. <i>Archives of Pharmacal Research</i> , 2009, 32, 437-441.	2.7	4
72	Characterization of CYP166B1 and its electron transfer system in <i>Streptomyces peucetius</i> var. caesius ATCC 27952. <i>Enzyme and Microbial Technology</i> , 2010, 46, 372-377.	1.6	4

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73	An ammonium sulfate sensitive endoxylanase produced by Streptomyces. Bioprocess and Biosystems Engineering, 2013, 36, 819-825.	1.7	4
74	Anti-inflammatory function of 4-tert-butylphenyl salicylate through down-regulation of the NF-kappa B pathway. Archives of Pharmacal Research, 2016, 39, 429-436.	2.7	4
75	Industrial attributes of $\beta$ -glucanase produced by Bacillus sp. CSB55 and its potential application as bio-industrial catalyst. Bioprocess and Biosystems Engineering, 2020, 43, 249-259.	1.7	4
76	ENHANCEMENT OF 1,25-DIHYDROXYVITAMIN D <sub>3</sub> - AND ALL-TRANS RETINOIC ACID-INDUCED DIFFERENTIATION OF HUMAN LEUKEMIA HL-60 CELLS BY BLOOD SHELL, SCAPHARCA BROUGHTONII. Journal of Food Biochemistry, 2008, 32, 96-106.	1.2	3
77	Novel Synthesis and Anti-HIV Activity of 4 $\epsilon^2$ -Branched Exomethylene Carbocyclic Nucleosides Using a Ring-Closing Metathesis of Triene. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 1238-1249.	0.4	3
78	Statistical optimization of a multivariate fermentation process for enhancing antibiotic activity of Streptomyces sp. CS392. Archives of Pharmacal Research, 2013, 36, 973-980.	2.7	3
79	Antimicrobial Peptide from Bacillus Strain K1R Exhibits Ameliorative Potential Against Vancomycin-Resistant Enterococcus Group of Organisms. International Journal of Peptide Research and Therapeutics, 2017, 23, 419-430.	0.9	2
80	Isolation and Characterization of Bacillus subtilis MP56 with Antimicrobial Activity against MDR (Multi Drug Resistant) Strains. Korean Journal of Microbiology, 2013, 49, 90-94.	0.2	2
81	Functional characterization of orf6 and orf9 genes involved in the biosynthesis of L-oleandrose from Streptomyces antibioticus TÅ¼499. Biotechnology and Bioprocess Engineering, 2008, 13, 752-757.	1.4	1
82	An alkaline and metallo-protein type endo xylanase from Streptomyces sp. CSWu-1. Biotechnology and Bioprocess Engineering, 2014, 19, 311-319.	1.4	1
83	Inhibition of mouse macrophages interleukin-12 production : Suppression of nuclear factor- $\kappa$ B binding activity by a specific factor isolated from scapharca broughtonii. Archives of Pharmacal Research, 2007, 30, 350-354.	2.7	0
84	Anticoccidial Effect of CS 32 Compounds Against Eimeria tenella Infection in Chickens. Journal of Bacteriology and Virology, 2020, 50, 55.	0.0	0