

# Kwang-Hoon Kong

## List of Publications by Year in descending order

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38  
papers

676  
citations

516710

16  
h-index

580821

25  
g-index

38  
all docs

38  
docs citations

38  
times ranked

588  
citing authors

#	ARTICLE	IF	CITATIONS
1	A quantitative assay for agarase activity determination using agarose-iodine complex. <i>Analytical Biochemistry</i> , 2022, 641, 114560.	2.4	1
2	Efficient brazzein production in yeast ( <i>Kluyveromyces lactis</i> ) using a chemically defined medium. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 913-925.	3.4	9
3	Histidine residues at the copper-binding site in human tyrosinase are essential for its catalytic activities. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 726-732.	5.2	30
4	3M-Brazzein as a Natural Sugar Substitute Attenuates Obesity, Metabolic Disorder, and Inflammation. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 2183-2192.	5.2	8
5	Optimized production and quantification of the tryptophan-deficient sweet-tasting protein brazzein in <i>Kluyveromyces lactis</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 790-799.	1.9	9
6	Antioxidant, anti-inflammatory, and anti-allergic activities of the sweet-tasting protein brazzein. <i>Food Chemistry</i> , 2018, 267, 163-169.	8.2	27
7	Refined single-interval adjustment matrix yes-no task for estimating the absolute thresholds of sweet-tasting molecules. <i>Journal of Sensory Studies</i> , 2017, 32, e12250.	1.6	4
8	Secretory expression and enzymatic characterization of recombinant <i>Agarivorans albus</i> $\beta$ -D-xylofuranosidase in <i>Escherichia coli</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 1037-1042.	1.9	4
9	Importance of Glu53 in the C-terminal region of brazzein, a sweet-tasting protein. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 3202-3206.	3.5	15
10	Improved Secretory Production of the Sweet-Tasting Protein, Brazzein, in <i>Kluyveromyces lactis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6312-6316.	5.2	20
11	Role of Lys5 Residue in $\beta$ -Strand I of the Sweet-Tasting Protein Brazzein. <i>Journal of Food Biochemistry</i> , 2016, 40, 446-450.	2.9	1
12	Site-directed mutagenesis of evolutionarily conserved serine residues in the N-terminal domain of rice Phi-class glutathione S-transferase F5. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 106, 71-75.	1.8	3
13	Multiple mutations of the critical amino acid residues for the sweetness of the sweet-tasting protein, brazzein. <i>Food Chemistry</i> , 2013, 138, 1370-1373.	8.2	26
14	Efficient secretory expression of the sweet-tasting protein brazzein in the yeast <i>Kluyveromyces lactis</i> . <i>Protein Expression and Purification</i> , 2013, 90, 84-89.	1.3	29
15	Deletion Mutational Mapping of the Catalytic Activities of Human Tyrosinase. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3099-3102.	1.9	3
16	A plant-specific tau class glutathione S-transferase from <i>Oryza sativa</i> with very high activity against 1-chloro-2,4-dinitrobenzene and chloroacetanilide herbicides. <i>Pesticide Biochemistry and Physiology</i> , 2011, 101, 265-269.	3.6	22
17	Residue mutations in the sweetness loops for the sweet-tasting protein brazzein. <i>Food Chemistry</i> , 2011, 129, 1327-1330.	8.2	28
18	A Plant-specific Tau Class Glutathione S-transferase from <i>Oryza sativa</i> Having Significant Detoxification Activity Towards Chloroacetanilide Herbicides. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3756-3759.	1.9	12

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19	Mutagenesis of Critical Amino Acid Residues in $\alpha$ -Helix and $\beta$ -Sheet Structures of Brazzein. Bulletin of the Korean Chemical Society, 2011, 32, 4106-4108.	1.9	10
20	Characterization of Human Tyrosinase Ectodomain Expressed in Escherichia coli. Protein and Peptide Letters, 2010, 17, 1026-1030.	0.9	7
21	Design and Efficient Soluble Expression of a Sweet Protein, Brazzein and Minor-Form Mutant. Bulletin of the Korean Chemical Society, 2010, 31, 3830-3833.	1.9	22
22	An efficient method for the over-expression and purification of active human tyrosinase. Journal of Biotechnology, 2008, 136, S387.	3.8	0
23	Study on the biochemical characterization of herbicide detoxification enzyme, glutathione S-transferase. BioFactors, 2007, 30, 281-287.	5.4	23
24	A Phi Class Glutathione S-transferase from Oryza sativa (OsGSTF5): Molecular Cloning, Expression and Biochemical Characteristics. BMB Reports, 2007, 40, 511-516.	2.4	14
25	Cloning of a rice tau class GST isozyme and characterization of its substrate specificity. Pesticide Biochemistry and Physiology, 2006, 86, 110-115.	3.6	14
26	Molecular cloning, expression, and characterization of a phi-type glutathione S-transferase from Oryza sativa. Pesticide Biochemistry and Physiology, 2005, 83, 29-36.	3.6	25
27	CLONING, EXPRESSION AND CHARACTERIZATION OF NOVEL LECTIN FROM ORYZA SATIVA. Journal of Food Biochemistry, 2004, 28, 500-512.	2.9	1
28	The highly stable alcohol dehydrogenase of Thermomicrobium roseum: purification and molecular characterization. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 132, 415-422.	1.6	31
29	Expression and characterization of human tyrosinase from a bacterial expression system. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2000, 125, 563-569.	1.6	31
30	Purification and characterization of a highly stable tyrosinase from Thermomicrobium roseum. Biotechnology and Applied Biochemistry, 2000, 31, 113-118.	3.1	64
31	Purification and biochemical properties of glutathione S-transferase from Oryza sativa. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 122, 21-27.	1.6	13
32	Purification and characterization of the tyrosinase isozymes of pine needles. IUBMB Life, 1998, 45, 717-724.	3.4	8
33	Analysis of Inorganic Anions by Capillary Zone Electrophoresis.. Analytical Sciences, 1997, 13, 243-246.	1.6	9
34	Functional analysis of the evolutionary conserved arginine 182 residue in human glutathione S-transferase P1-1. IUBMB Life, 1997, 43, 251-262.	3.4	0
35	Site-directed mutagenesis study on the roles of evolutionally conserved aspartic acid residues in human glutathione S-transferase P1-1. Protein Engineering, Design and Selection, 1993, 6, 93-99.	2.1	33
36	Tyrosine-7 in human class Pi glutathione S-transferase is important for lowering the pKa of the thiol group of glutathione in the enzyme-glutathione complex. Biochemical and Biophysical Research Communications, 1992, 184, 194-197.	2.1	66

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37	Non-essentiality of cysteine and histidine residues for the activity of human class Pi glutathione S-transferase. <i>Biochemical and Biophysical Research Communications</i> , 1991, 181, 748-755.	2.1	50
38	Functional expression of the sweet-tasting protein brazzein in transgenic tobacco. <i>Food Science and Technology</i> , 0, , .	1.7	4