Jian-jun Pei

List of Publications by Citations

41 papers	551 citations	14 h-index	22 g-index
44 ext. papers	747 ext. citations	4.1 avg, IF	3.88 L-index

#	Paper	IF	Citations
41	Thermoanaerobacterium thermosaccharolyticum β-glucosidase: a glucose-tolerant enzyme with high specific activity for cellobiose. *Biotechnology for Biofuels*, **2012**, 5, 31	7.8	99
40	Overexpression and characterization of a glucose-tolerant β-glucosidase from Thermotoga thermarum DSM 5069T with high catalytic efficiency of ginsenoside Rb1 to Rd. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 95, 62-69		44
39	The mechanism for regulating ethanol fermentation by redox levels in Thermoanaerobacter ethanolicus. *Metabolic Engineering*, **2011**, 13, 186-93	9.7	39
38	One-Pot Synthesis of Hyperoside by a Three-Enzyme Cascade Using a UDP-Galactose Regeneration System. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 6042-6048	5.7	36
37	Thermoanaerobacter spp. control ethanol pathway via transcriptional regulation and versatility of key enzymes. *Metabolic Engineering*, **2010**, 12, 420-8	9.7	33
36	Metabolic Engineering of Escherichia coli for Astragalin Biosynthesis. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 7966-7972	5.7	26
35	Enzymatic properties of Thermoanaerobacterium thermosaccharolyticum β-glucosidase fused to Clostridium cellulovorans cellulose binding domain and its application in hydrolysis of microcrystalline cellulose. *BMC Biotechnology*, **2013**, 13, 101	3.5	26
34	Enhancing the thermostability of α-L-rhamnosidase from Aspergillus terreus and the enzymatic conversion of rutin to isoquercitrin by adding sorbitol. *BMC Biotechnology*, **2017**, 17, 21	3.5	25
33	Enzymatic transformation of ginsenoside Rb1 to ginsenoside 20(S)-Rg3 by GH3 β-glucosidase from Thermotoga thermarum DSM 5069T. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 113, 104-109		22
32	Characterization of a novel thermostable and xylose-tolerant GH 39 β-xylosidase from Dictyoglomus thermophilum. *BMC Biotechnology*, **2018**, 18, 29	3.5	20
31	Comparison of two laccases from Trametes versicolor for application in the decolorization of dyes. *Journal of Microbiology and Biotechnology*, **2014**, 24, 545-55	3.3	18
30	Purification and characterization of an extracellular alpha-L-arabinosidase from a novel isolate Bacillus pumilus ARA and its over-expression in Escherichia coli. *Applied Microbiology and Biotechnology*, **2008**, 78, 115-21	5.7	17
29	Efficient Biotransformation of Luteolin to Isoorientin through Adjusting Induction Strategy, Controlling Acetic Acid, and Increasing UDP-Glucose Supply in Escherichia coli. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 331-340	5.7	17
28	Cloning, overexpression and characterization of a thermostable β-xylosidase from Thermotoga petrophila and cooperated transformation of ginsenoside extract to ginsenoside 20(S)-Rg3 with a β-glucosidase. *Bioorganic Chemistry*, **2019**, 85, 159-167	5.1	16
27	Characterization of a α-L-rhamnosidase from Bacteroides thetaiotaomicron with high catalytic efficiency of epimedin C. *Bioorganic Chemistry*, **2018**, 81, 461-467	5.1	14
26	Biochemical characterization of a novel hyperthermophilic α-L-rhamnosidase from Thermotoga petrophila and its application in production of icaritin from epimedin C with a thermostable β-glucosidase. *Process Biochemistry*, **2020**, 93, 115-124	4.8	10
25	Construction of a novel UDP-rhamnose regeneration system by a two-enzyme reaction system and application in glycosylation of flavonoid. *Biochemical Engineering Journal*, **2018**, 139, 33-42	4.2	9

24	Production of isoorientin and isovitexin from luteolin and apigenin using coupled catalysis of glycosyltransferase and sucrose synthase. *Applied Biochemistry and Biotechnology*, **2020**, 190, 601-615	3.2	9
23	Distinct structural features of Rex-family repressors to sense redox levels in anaerobes and aerobes. *Journal of Structural Biology*, **2014**, 188, 195-204	3.4	8
22	Modulating heterologous pathways and optimizing fermentation conditions for biosynthesis of kaempferol and astragalin from naringenin in Escherichia coli. *Journal of Industrial Microbiology and Biotechnology*, **2019**, 46, 171-186	4.2	8
21	Biotransformation of Ginsenosides Re and Rg1 into Rg2 and Rh1 by Thermostable Glucosidase from Thermotoga thermarum. *Chemistry of Natural Compounds*, **2017**, 53, 472-477	0.7	6
20	Highly Efficient Biotransformation of Astragaloside IV to Cycloastragenol by Sugar-Stimulated Glucosidase and Xylosidase from. *Journal of Microbiology and Biotechnology*, **2019**, 29, 1882-1893	3.3	6
19	Cloning and characterization of the xylosidase from Dictyoglomus turgidum for high efficient biotransformation of 10-deacetyl-7-xylosltaxol. *Bioorganic Chemistry*, **2020**, 94, 103357	5.1	6
18	High-level expression of a novel multifunctional GH3 family xylosidase/arabinosidase/glucosidase from Dictyoglomus turgidum in Escherichia coli. *Bioorganic Chemistry*, **2021**, 111, 104906	5.1	5
17	Orientin and vitexin production by a one-pot enzymatic cascade of a glycosyltransferase and sucrose synthase. *Bioorganic Chemistry*, **2021**, 112, 104926	5.1	5
16	Immobilization of Thermostable Glucosidase and -Rhamnosidase from Dictyoglomus thermophilum DSM3960 and Their Cooperated Biotransformation of Total Flavonoids Extract from Epimedium into Icaritin. *Catalysis Letters*, **2021**, 151, 2950-2963	2.8	4
15	Enhancing UDP-Rhamnose Supply for Rhamnosylation of Flavonoids in by Regulating the Modular Pathway and Improving NADPH Availability. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 9513-9523	5.7	4
14	Synthesis of Isorhamnetin-3--Rhamnoside by a Three-Enzyme (Rhamnosyltransferase, Glycine Max Sucrose Synthase, UDP-Rhamnose Synthase) Cascade Using a UDP-Rhamnose Regeneration System. *Molecules*, **2019**, 24,	4.8	3
13	Efficient production of aggregation prone 4-glucanotransferase by combined use of molecular chaperones and chemical chaperones in Escherichia coli. *Journal of Biotechnology*, **2019**, 292, 68-75	3.7	3
12	Cloning and characterization of enoate reductase with high onone to dihydro-onone bioconversion productivity. *BMC Biotechnology*, **2018**, 18, 26	3.5	3
11	Cloning, Overexpression, and Characterization of a Thermostable, Organic Solvent-Tolerant Laccase from ARA and Its Application to Dye Decolorization. *ACS Omega*, **2021**, 6, 9741-9749	3.9	3
10	RNA-Seq analysis and comparison of the enzymes involved in ionone synthesis of three cultivars of Osmanthus. *Journal of Asian Natural Products Research*, **2018**, 20, 649-661	1.5	2
9	Co-production of Xylooligosaccharides and Xylose From Poplar Sawdust by Recombinant Endo-1,4-Xylanase and Xylosidase Mixture Hydrolysis. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 637397	5.8	2
8	Synergistic Catalysis of Glycosyltransferase and Sucrose Synthase to Produce Isoquercitrin Through Glycosylation of Quercetin. *Chemistry of Natural Compounds*, **2019**, 55, 453-457	0.7	1
7	Data on thermostable glucosidase immobilized by Zn. *Data in Brief*, **2018**, 18, 873-876	1.2	1

6	Biochemical Characterization of a Novel Prenyltransferase from sp. NT11 and Development of a Recombinant Strain for the Production of 6-Prenylnaringenin. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 14231-14240	5.7	1
5	Cloning and Characterization of a Novel Carotenoid Cleavage Dioxygenase 1 from Helianthus annuus. *Chemistry and Biodiversity*, **2021**, e2100694	2.5	0
4	Efficient Production Hyperoside from Quercetin in Escherichia coli Through Increasing UDP-Galactose Supply and Recycling of Resting Cell. *Catalysis Letters*, **2021**, 151, 1202-1211	2.8	0
3	Biosynthesis of 3∀O-methylisoorientin from luteolin by selecting O-methylation/C-glycosylation motif. *Enzyme and Microbial Technology*, **2021**, 150, 109862	3.8	0
2	Modification to increase the thermostability and catalytic efficiency of L-rhamnosidase from Bacteroides thetaiotaomicron and high-level expression.. *Enzyme and Microbial Technology*, **2022**, 158, 110040	3.8	0
1	One-step purification and immobilization of thermostable glucosidase on Na-Y zeolite based on the linker and its application in the efficient production of baohuoside I from icariin.. *Bioorganic Chemistry*, **2022**, 121, 105690	5.1	0