

Hyung Kwoun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

351
citations

840776

11
h-index

839539

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23
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docs citations

23
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic properties of a lipase from <i>Photobacterium lipolyticum</i> for biodiesel production containing a high methanol concentration. <i>Journal of Bioscience and Bioengineering</i> , 2009, 107, 599-604.	2.2	65
2	Sequence-based approach to finding functional lipases from microbial genome databases. <i>FEMS Microbiology Letters</i> , 2004, 235, 349-355.	1.8	41
3	Transesterification Using the Cross-Linked Enzyme Aggregate of <i>Photobacterium lipolyticum</i> Lipase M37. <i>Journal of Microbiology and Biotechnology</i> , 2011, 21, 1159-1165.	2.1	33
4	Sequence-based approach to finding functional lipases from microbial genome databases. <i>FEMS Microbiology Letters</i> , 2004, 235, 349-355.	1.8	22
5	Nonionic detergent-induced activation of an esterase from <i>Bacillus megaterium</i> 20-1. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 26, 223-229.	1.8	20
6	Recombinant Lipase Engineered with Amphipathic and Coiled-Coil Peptides. <i>ACS Catalysis</i> , 2015, 5, 5016-5025.	11.2	18
7	Lipase-mediated synthesis of ricinoleic acid vanillyl ester and evaluation of antioxidant and antibacterial activity. <i>Enzyme and Microbial Technology</i> , 2020, 133, 109454.	3.2	18
8	Antibacterial Effect of Fructose Laurate Synthesized by <i>Candida antarctica</i> B Lipase-Mediated Transesterification. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1579-1585.	2.1	17
9	Gene cloning and catalytic characterization of cold-adapted lipase of <i>Photobacterium</i> sp. MA1-3 isolated from blood clam. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 589-595.	2.2	16
10	Cell surface display of <i>Staphylococcus haemolyticus</i> L62 lipase in <i>Escherichia coli</i> and its application as a whole cell biocatalyst for biodiesel production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 54-61.	1.8	15
11	Characterization of Organic Solvent-Tolerant Lipolytic Enzyme from <i>Marinobacter lipolyticus</i> Isolated from the Antarctic Ocean. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1046-1060.	2.9	15
12	Evaluation of antioxidant and antimicrobial activity of phenolic lipids produced by the transesterification of 4-hydroxyphenylacetic acid and triglycerides. <i>Applied Biological Chemistry</i> , 2019, 62, .	1.9	12
13	Antibacterial activity of emulsions containing unsaturated fatty acid ergosterol esters synthesized by lipase-mediated transesterification. <i>Enzyme and Microbial Technology</i> , 2020, 139, 109581.	3.2	12
14	Antioxidant and antibacterial activity of fatty acid vanillyl ester produced by <i>Proteus vulgaris</i> K80 lipase-mediated transesterification. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S475-S481.	1.8	10
15	Production of cinnamoyl lipids using immobilized <i>Proteus vulgaris</i> K80 lipase and an evaluation of their antioxidant activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 129, 54-60.	1.8	8
16	Effects of N-/C-Terminal Extra Tags on the Optimal Reaction Conditions, Activity, and Quaternary Structure of <i>Bacillus thuringiensis</i> Glucose 1-Dehydrogenase. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 1708-1716.	2.1	8
17	Transesterification of plant oils using <i>Staphylococcus haemolyticus</i> L62 lipase displayed on <i>Escherichia coli</i> cell surface using the OmpA signal peptide and EstA1 ²⁸ anchoring motif. <i>Enzyme and Microbial Technology</i> , 2014, 67, 32-39.	3.2	6
18	Antioxidant and Antibacterial Activity of Caprylic Acid Vanillyl Ester Produced by Lipase-Mediated Transesterification. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 317-326.	2.1	6

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19	Production of Omega-3 Fatty Acid Ethyl Esters from Menhaden Oil Using <i>Proteus vulgaris</i> Lipase-Mediated One-Step Transesterification and Urea Complexation. <i>Applied Biochemistry and Biotechnology</i> , 2016, 179, 347-360.	2.9	4
20	Characterization of Novel Salt-Tolerant Esterase Isolated from the Marine Bacterium <i>Alteromonas</i> sp. 39-G1. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 216-225.	2.1	4
21	Increased mRNA Stability and Expression Level of <i>Croceibacter atlanticus</i> Lipase Gene Developed through Molecular Evolution Process. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 882-889.	2.1	1
22	Production of (R)-Ethyl-4-Chloro-3-Hydroxybutanoate Using <i>Saccharomyces cerevisiae</i> YOL151W Reductase Immobilized onto Magnetic Microparticles. <i>Journal of Microbiology and Biotechnology</i> , 2015, 25, 1810-1818.	2.1	0
23	Production of 4-Ethyl Malate through Position-Specific Hydrolysis of <i>Photobacterium lipolyticum</i> M37 Lipase. <i>Journal of Microbiology and Biotechnology</i> , 2022, 32, 1-10.	2.1	0