

# Seongsoon Park

## List of Publications by Year in descending order

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25  
papers

1,207  
citations

840776

11  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1512  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme Access Tunnel Engineering in Baeyer-Villiger Monooxygenases to Improve Oxidative Stability and Biocatalyst Performance. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 555-564.	4.3	11
2	Discovery and Redesign of a Family VIII Carboxylesterase with High (<i>S</i>)-Selectivity toward Chiral <i>sec</i>-Alcohols. <i>ACS Catalysis</i> , 2022, 12, 2397-2402.	11.2	3
3	Substrate-binding Site Engineering of <i>Candida antarctica</i> Lipase B to Improve Selectivity for Synthesis of 1-monoacyl- <i>sn</i> -glycerols. <i>Biotechnology and Bioprocess Engineering</i> , 2022, 27, 234-243.	2.6	6
4	Enhancing enantioselectivity of <i>Candida antarctica</i> lipase B towards chiral <i>sec</i> -alcohols bearing small substituents through hijacking sequence of A homolog. <i>Tetrahedron Letters</i> , 2021, 75, 153186.	1.4	7
5	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
6	Esterification of Secondary Alcohols and Multi-hydroxyl Compounds by <i>Candida antarctica</i> Lipase B and Subtilisin. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 41-47.	2.6	27
7	Facile covalent bio-conjugation of hydroxyapatite. <i>New Journal of Chemistry</i> , 2018, 42, 14870-14875.	2.8	8
8	Dual-Surface Functionalization of Metal-Organic Frameworks for Enhancing the Catalytic Activity of <i>Candida antarctica</i> Lipase B in Polar Organic Media. <i>ACS Catalysis</i> , 2017, 7, 438-442.	11.2	39
9	Surveying Enantioselectivity of Two <i>Candida antarctica</i> Lipase B Homologs Towards Chiral <i>sec</i>-Alcohols. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1358-1361.	1.9	5
10	Mapping the Substrate Selectivity of Novel Lipase from <i>Pseudozyma hubeiensis</i> SY62. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 1720-1723.	1.9	2
11	Structural and Experimental Evidence for the Enantiomeric Recognition toward a Bulky <i>sec</i>-Alcohol by <i>Candida antarctica</i> Lipase B. <i>ACS Catalysis</i> , 2016, 6, 7458-7465.	11.2	25
12	Identification of a novel 11 $\beta$ -HSD1 inhibitor from a high-throughput screen of natural product extracts. <i>Pharmacological Research</i> , 2015, 102, 245-253.	7.1	10
13	Hydrogen-Bonding-Driven Enantioselective Resolution against the Kazlauskas Rule To Afford $\beta$ -Amino Alcohols by <i>Candida rugosa</i> Lipase. <i>ChemBioChem</i> , 2015, 16, 77-82.	2.6	5
14	Exploration and functional expression of homologous lipases of <i>Candida antarctica</i> lipase B. <i>Korean Journal of Microbiology</i> , 2015, 51, 187-193.	0.2	5
15	Experimental and Computation Studies on <i>Candida antarctica</i> Lipase B-Catalyzed Enantioselective Alcoholysis of 4-Bromomethyl- $\beta$ -lactone Leading to Enantiopure 4-Bromo- $\beta$ -hydroxybutanoate. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1808-1816.	4.3	8
16	Rational design for enhancing promiscuous activity of <i>Candida antarctica</i> lipase B: a clue for the molecular basis of dissimilar activities between lipase and serine-protease. <i>RSC Advances</i> , 2013, 3, 2590.	3.6	12
17	Bio-functionalization of metal-organic frameworks by covalent protein conjugation. <i>Chemical Communications</i> , 2011, 47, 2904.	4.1	219
18	Facile preparation of recyclable biocatalyst-decorated magnetic nanobeads in aqueous media. <i>Tetrahedron Letters</i> , 2011, 52, 1041-1043.	1.4	5

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19	Amino-acid-mediated epoxidation of $\hat{1}\pm, \hat{1}^2$ -unsaturated ketones by hydrogen peroxide in aqueous media. <i>Tetrahedron Letters</i> , 2011, 52, 2866-2868.	1.4	6
20	Preparation of Mesoporous Silica and Carbon Materials with Multilength-Scale Pores and Hydrogen Sorption Application. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2811-2816.	2.0	5
21	Recyclable chaperone-conjugated magnetic beads for in vitro refolding of <i>Burkholderia cepacia</i> lipase. <i>Biotechnology Letters</i> , 2009, 31, 107-111.	2.2	2
22	Improving the expression yield of <i>Candida antarctica</i> lipase B in <i>Escherichia coli</i> by mutagenesis. <i>Biotechnology Letters</i> , 2008, 30, 717-722.	2.2	45
23	Molecular Basis for the Enhanced Lipase-Catalyzed N-Acylation of 1-Phenylethanamine with Methoxyacetate. <i>ChemBioChem</i> , 2006, 7, 1745-1749.	2.6	54
24	Focusing Mutations into the <i>P. fluorescens</i> Esterase Binding Site Increases Enantioselectivity More Effectively than Distant Mutations. <i>Chemistry and Biology</i> , 2005, 12, 45-54.	6.0	115
25	Improved Preparation and Use of Room-Temperature Ionic Liquids in Lipase-Catalyzed Enantio- and Regioselective Acylations. <i>Journal of Organic Chemistry</i> , 2001, 66, 8395-8401.	3.2	568