

Mahn-Joo Kim

List of Publications by Year in descending order

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papers

2,265
citations

304743

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414414

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35
all docs

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docs citations

35
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Synthesis of Biaryl Diols via Dynamic Kinetic Resolution. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1028-1032.	1.9	3
2	Base-Free Dynamic Kinetic Resolution of Secondary Alcohols with a Ruthenium-Lipase Couple. <i>Journal of Organic Chemistry</i> , 2019, 84, 16293-16298.	3.2	8
3	Molecular Basis of Aqueous-like Activity of Lipase Treated with Glucose-Headed Surfactant in Organic Solvent. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10659-10668.	2.6	3
4	Ionic-surfactant-coated subtilisin: activity, enantioselectivity, and application to dynamic kinetic resolution of secondary alcohols. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8836-8844.	2.8	5
5	Highly enantioselective dynamic kinetic resolution of alkyl aryl carbinols carrying a trimethylsilyl group with a highly active lipoprotein lipase preparation. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 840-845.	1.8	8
6	Dynamic Kinetic Resolution of Diarylmethanols with an Activated Lipoprotein Lipase. <i>ACS Catalysis</i> , 2015, 5, 683-689.	11.2	29
7	Aqueous-Level Turnover Frequency of Lipase in Organic Solvent. <i>ACS Catalysis</i> , 2014, 4, 3590-3592.	11.2	17
8	<i>Candida antarctica</i> lipase A and <i>Pseudomonas stutzeri</i> lipase as a pair of stereocomplementary enzymes for the resolution of 1,2-diarylethanol and 1,2-diarylethanamines. <i>Tetrahedron Letters</i> , 2013, 54, 1185-1188.	1.4	26
9	Kinetic and Dynamic Kinetic Resolution of Secondary Alcohols with Ionic-Surfactant-Coated <i>Burkholderia cepacia</i> Lipase: Substrate Scope and Enantioselectivity. <i>Journal of Organic Chemistry</i> , 2013, 78, 2571-2578.	3.2	46
10	Substituent Effect on Catalytic Activities of $[(\eta^5\text{-Cp}^*\text{Ar})\text{C}(\text{CO})\text{Ar}]\text{Ru}(\text{CO})_2\text{Cl}$ in Racemization and DKR of Secondary Alcohols. <i>ChemCatChem</i> , 2011, 3, 354-359.	3.7	23
11	Dynamic Kinetic Resolution of Amines and Amino Acids by Enzyme-Metal Cocatalysis. <i>ChemCatChem</i> , 2011, 3, 271-277.	3.7	123
12	Ionic-Surfactant-Coated <i>Burkholderia cepacia</i> Lipase as a Highly Active and Enantioselective Catalyst for the Dynamic Kinetic Resolution of Secondary Alcohols. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10944-10948.	13.8	62
13	Chemoenzymatic Dynamic Kinetic Resolution of Alcohols and Amines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 999-1015.	2.4	213
14	Photoactivated Racemization Catalyst for Dynamic Kinetic Resolution of Secondary Alcohols. <i>Journal of Organic Chemistry</i> , 2010, 75, 5740-5742.	3.2	31
15	Chemoenzymatic Synthesis of Rivastigmine via Dynamic Kinetic Resolution as a Key Step. <i>Journal of Organic Chemistry</i> , 2010, 75, 3105-3108.	3.2	51
16	Highly Enantioselective Dynamic Kinetic Resolution of 1,2-Diarylethanol by a Lipase-Ruthenium Couple. <i>Organic Letters</i> , 2008, 10, 1295-1298.	4.6	64
17	Dynamic Kinetic Resolution of Primary Amines with a Recyclable Pd Nanocatalyst for Racemization. <i>Organic Letters</i> , 2007, 9, 1157-1159.	4.6	173
18	Air-Stable Racemization Catalysts for the Dynamic Kinetic Resolution of Secondary Alcohols. <i>Journal of Organic Chemistry</i> , 2007, 72, 6860-6864.	3.2	61

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19	Crystallization and preliminary X-ray analysis of native and selenomethionyl polymyxin resistance protein D from <i>E. Coli</i> . <i>Macromolecular Research</i> , 2005, 13, 549-552.	2.4	2
20	Air-Stable Racemization Catalyst for Dynamic Kinetic Resolution of Secondary Alcohols at Room Temperature. <i>Organic Letters</i> , 2005, 7, 4523-4526.	4.6	102
21	Dynamic kinetic resolution of secondary alcohols by enzyme-metal combinations in ionic liquid. <i>Green Chemistry</i> , 2004, 6, 471-474.	9.0	89
22	Aminocyclopentadienyl Ruthenium Complexes as Racemization Catalysts for Dynamic Kinetic Resolution of Secondary Alcohols at Ambient Temperature. <i>Journal of Organic Chemistry</i> , 2004, 69, 1972-1977.	3.2	169
23	(S)-Selective Dynamic Kinetic Resolution of Secondary Alcohols by the Combination of Subtilisin and an Aminocyclopentadienylruthenium Complex as the Catalysts. <i>Journal of the American Chemical Society</i> , 2003, 125, 11494-11495.	13.7	151
24	Asymmetric Transformations of Acyloxyphenyl Ketones by Enzyme-Metal Multicatalysis. <i>Journal of Organic Chemistry</i> , 2002, 67, 9481-9483.	3.2	24
25	Aminocyclopentadienyl Ruthenium Chloride: Catalytic Racemization and Dynamic Kinetic Resolution of Alcohols at Ambient Temperature. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2373-2376.	13.8	193
26	Biocatalysis in Ionic Liquids: Markedly Enhanced Enantioselectivity of Lipase. <i>Organic Letters</i> , 2001, 3, 1507-1509.	4.6	280
27	Lipase/Ruthenium-Catalyzed Dynamic Kinetic Resolution of Hydroxy Acids, Diols, and Hydroxy Aldehydes Protected with a Bulky Group. <i>Journal of Organic Chemistry</i> , 2001, 66, 4736-4738.	3.2	69
28	Enhancing the Enantioselectivity of Lipase in Transesterification by Substrate Matching: An Enzyme Memory Based Approach. <i>Organic Letters</i> , 2000, 2, 2553-2555.	4.6	21
29	Dynamic Kinetic Resolution of Allylic Alcohols Mediated by Ruthenium- and Lipase-Based Catalysts. <i>Organic Letters</i> , 2000, 2, 2377-2379.	4.6	117
30	Dynamic Kinetic Resolution of Acyclic Allylic Acetates Using Lipase and Palladium. <i>Journal of Organic Chemistry</i> , 1999, 64, 8423-8424.	3.2	84