Musaâ€M Musa

List of Publications by Year
in descending order

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39 papers	1,109 citations	394421 19 h-index	395702 33 g-index
46 all docs	46 docs citations	46 times ranked	889 citing authors

#	Article	IF	Citations
1	Recent advances in alcohol dehydrogenase-catalyzed asymmetric production of hydrophobic alcohols. Catalysis Science and Technology, 2011, 1, 1311.	4.1	111
2	Asymmetric Reduction and Oxidation of Aromatic Ketones and Alcohols Using W110A Secondary Alcohol Dehydrogenase fromThermoanaerobacterethanolicus. Journal of Organic Chemistry, 2007, 72, 30-34.	3.2	96
3	Controlling Substrate Specificity and Stereospecificity of Alcohol Dehydrogenases. ACS Catalysis, 2015, 5, 2100-2114.	11.2	91
4	Pyrene biodegradation and proteomic analysis in Achromobacter xylosoxidans, PY4 strain. International Biodeterioration and Biodegradation, 2018, 130, 40-47.	3.9	78
5	A Single Point Mutation Reverses the Enantiopreference of Thermoanaerobacter ethanolicus Secondary Alcohol Dehydrogenase. ChemCatChem, 2009, 1, 89-93.	3.7	72
6	Xerogel-Encapsulated W110A Secondary Alcohol Dehydrogenase fromThermoanaerobacter ethanolicus Performs Asymmetric Reduction of Hydrophobic Ketones in Organic Solvents. Angewandte Chemie - International Edition, 2007, 46, 3091-3094.	13.8	62
7	A Thermoanaerobacter ethanolicus secondary alcohol dehydrogenase mutant derivative highly active and stereoselective on phenylacetone and benzylacetone. Protein Engineering, Design and Selection, 2007, 20, 47-55.	2.1	56
8	Activity and selectivity of W110A secondary alcohol dehydrogenase from Thermoanaerobacter ethanolicus in organic solvents and ionic liquids: mono- and biphasic media. Organic and Biomolecular Chemistry, 2008, 6, 887.	2.8	50
9	A Myristoyl/Phosphoserine Switch Controls cAMP-Dependent Protein Kinase Association to Membranes. Journal of Molecular Biology, 2011, 411, 823-836.	4.2	46
10	Synthesis of enantiomerically pure alcohols and amines via biocatalytic deracemisation methods. Catalysis Science and Technology, 2019, 9, 5487-5503.	4.1	43
11	Mutation of Thermoanaerobacter ethanolicus secondary alcohol dehydrogenase at Trp-110 affects stereoselectivity of aromatic ketone reduction. Organic and Biomolecular Chemistry, 2014, 12, 5905-5910.	2.8	37
12	Racemization of enantiopure secondary alcohols by Thermoanaerobacter ethanolicus secondary alcohol dehydrogenase. Organic and Biomolecular Chemistry, 2013, 11, 2911.	2.8	31
13	Deracemization of Secondary Alcohols by using a Single Alcohol Dehydrogenase. ChemCatChem, 2016, 8, 1459-1463.	3.7	28
14	Current Status of and Future Perspectives in Bacterial Degradation of Benzo[a]pyrene. International Journal of Environmental Research and Public Health, 2021, 18, 262.	2.6	28
15	Thermoanaerobacter ethanolicus secondary alcohol dehydrogenase mutants with improved racemization activity. Journal of Molecular Catalysis B: Enzymatic, 2015, 115, 155-159.	1.8	23
16	Expanding the Substrate Specificity of Thermoanaerobacter pseudoethanolicus Secondary Alcohol Dehydrogenase by a Dual Site Mutation. European Journal of Organic Chemistry, 2018, 2018, 798-805.	2.4	23
17	Dual enzymatic dynamic kinetic resolution by Thermoanaerobacter ethanolicus secondary alcohol dehydrogenase and Candida antarctica lipase B. RSC Advances, 2016, 6, 96616-96622.	3.6	21
18	Degradation of benzo[a]pyrene by halophilic bacterial strain Staphylococcus haemoliticus strain 10SBZ1A. PLoS ONE, 2021, 16, e0247723.	2.5	21

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19	Asymmetric Reduction of Substituted 2â€Tetralones by Thermoanaerobacter pseudoethanolicus Secondary Alcohol Dehydrogenase. ChemCatChem, 2017, 9, 1487-1493.	3.7	20
20	Enzymatic racemization of alcohols and amines: An approach for biâ€enzymatic dynamic kinetic resolution. Chirality, 2020, 32, 147-157.	2.6	19
21	Isolation and characterization of naphthalene biodegrading Methylobacterium radiotolerans bacterium from the eastern coastline of the Kingdom of Saudi Arabia. Archives of Environmental Protection, 2016, 42, 25-32.	1.1	18
22	Characterization of Halophilic Bacteria Capable of Efficiently Biodegrading the High-Molecular-Weight Polycyclic Aromatic Hydrocarbon Pyrene. Environmental Engineering Science, 2018, 35, 616-626.	1.6	18
23	Secondary Alcohol Dehydrogenases from Thermoanaerobacter pseudoethanolicus and Thermoanaerobacter brockii as Robust Catalysts. ChemBioChem, 2021, 22, 1884-1893.	2.6	13
24	Solvent, temperature and concentration effects on the optical rotatory dispersion of (R)-3-methylcyclohexanone. Journal of Molecular Structure, 2017, 1130, 19-25.	3.6	12
25	Alcohol Dehydrogenases with antiâ€Prelog Stereopreference in Synthesis of Enantiopure Alcohols. ChemistryOpen, 2022, 11, e202100251.	1.9	10
26	Bimetallic Complexes with Bridging Dithiaalkane Ligands: Preparation and Kinetic Study. Journal of Coordination Chemistry, 2002, 55, 1199-1207.	2.2	8
27	Dinuclear group VIB metal carbonyl complexes bridged by bis(diphenylphosphino)alkanes. Transition Metal Chemistry, 2002, 27, 163-165.	1.4	7
28	Deracemization and Stereoinversion of Alcohols Using Two Mutants of Secondary Alcohol Dehydrogenase from Thermoanaerobacter pseudoethanolicus. European Journal of Organic Chemistry, 2020, 2020, 4750-4754.	2.4	7
29	Stereoinversion of Râ€Configured Secondary Alcohols Using a Single Enzymatic Approach. ChemistrySelect, 2018, 3, 10205-10208.	1.5	6
30	Simultaneous cyclic deracemisation and stereoinversion of alcohols using orthogonal biocatalytic oxidation and reduction reactions. Catalysis Science and Technology, 2020, 10, 8213-8218.	4.1	6
31	Current Knowledge and Future Challenges on Bacterial Degradation of the Highly Complex Petroleum Products Asphaltenes and Resins. Frontiers in Environmental Science, 2021, 9, .	3.3	6
32	Consequences of adding gum Arabic as a cryoprotectant on motility and viability of frozen stallion semen. Cryobiology, 2017, 79, 21-28.	0.7	5
33	Study of the Interaction of Some Potential Anticancer Gold(III) Complexes with Biologically Important Thiols Using NMR, UVâ€“Vis, and Electrochemistry. International Journal of Chemical Kinetics, 2017, 49, 387-397.	1.6	3
34	Spectroscopic and Electrochemical Studies of the Interaction of Some Gold(III) Complexes with Biologically Relevant Thiones. International Journal of Chemical Kinetics, 2018, 50, 178-187.	1.6	3
35	Enantiopure (S)-4-Phenyl-3-butyn-2-ol and (S)-1-Phenyl-2-butanol Through an Enzymatic Reduction. Asian Journal of Chemistry, 2014, 26, 8363-8365.	0.3	1
36	Enzymatic Production of Both Enantiomers of Rhododendrol. Asian Journal of Chemistry, 2014, 26, 6719-6721.	0.3	1

#	Article	IF	Citations
37	Effect of Gum Arabic on Stallion Sperm Survival During Cold Storage and Post Freezing. Macedonian Veterinary Review, 2018, 41, 21-31.	0.4	1
38	Role of N-Myristoylation of Camp-Dependent Protein Kinase a in Recognition and Phosphorylation of Membrane-Bound Substrates. Biophysical Journal, 2011, 100, 639a.	0.5	0
39	Racemization of Enantiopure Alcohols Using Two Mutants of Thermoanaerobacter pseudoethanolicus Secondary Alcohol Dehydrogenase. ChemistrySelect, 2021, 6, 13261-13264.	1.5	0