

# Musaâ€™M Musa

## List of Publications by Year in descending order

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39  
papers

1,109  
citations

394421

19  
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395702

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46  
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46  
docs citations

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times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alcohol Dehydrogenases with <i>anti</i> -Prelog Stereopreference in Synthesis of Enantiopure Alcohols. <i>ChemistryOpen</i> , 2022, 11, e202100251.	1.9	10
2	Degradation of benzo[a]pyrene by halophilic bacterial strain <i>Staphylococcus haemolyticus</i> strain 10SBZ1A. <i>PLoS ONE</i> , 2021, 16, e0247723.	2.5	21
3	Secondary Alcohol Dehydrogenases from <i>Thermoanaerobacter pseudoethanolicus</i> and <i>Thermoanaerobacter brockii</i> as Robust Catalysts. <i>ChemBioChem</i> , 2021, 22, 1884-1893.	2.6	13
4	Current Status of and Future Perspectives in Bacterial Degradation of Benzo[a]pyrene. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 262.	2.6	28
5	Current Knowledge and Future Challenges on Bacterial Degradation of the Highly Complex Petroleum Products Asphaltenes and Resins. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	6
6	Racemization of Enantiopure Alcohols Using Two Mutants of <i>Thermoanaerobacter pseudoethanolicus</i> Secondary Alcohol Dehydrogenase. <i>ChemistrySelect</i> , 2021, 6, 13261-13264.	1.5	0
7	Enzymatic racemization of alcohols and amines: An approach for biocatalytic dynamic kinetic resolution. <i>Chirality</i> , 2020, 32, 147-157.	2.6	19
8	Simultaneous cyclic deracemisation and stereoinversion of alcohols using orthogonal biocatalytic oxidation and reduction reactions. <i>Catalysis Science and Technology</i> , 2020, 10, 8213-8218.	4.1	6
9	Deracemization and Stereoinversion of Alcohols Using Two Mutants of Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter pseudoethanolicus</i> . <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4750-4754.	2.4	7
10	Synthesis of enantiomerically pure alcohols and amines <i>via</i> biocatalytic deracemisation methods. <i>Catalysis Science and Technology</i> , 2019, 9, 5487-5503.	4.1	43
11	Pyrene biodegradation and proteomic analysis in <i>Achromobacter xylosoxidans</i> , PY4 strain. <i>International Biodeterioration and Biodegradation</i> , 2018, 130, 40-47.	3.9	78
12	Spectroscopic and Electrochemical Studies of the Interaction of Some Gold(III) Complexes with Biologically Relevant Thiones. <i>International Journal of Chemical Kinetics</i> , 2018, 50, 178-187.	1.6	3
13	Expanding the Substrate Specificity of <i>Thermoanaerobacter pseudoethanolicus</i> Secondary Alcohol Dehydrogenase by a Dual Site Mutation. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 798-805.	2.4	23
14	Characterization of Halophilic Bacteria Capable of Efficiently Biodegrading the High-Molecular-Weight Polycyclic Aromatic Hydrocarbon Pyrene. <i>Environmental Engineering Science</i> , 2018, 35, 616-626.	1.6	18
15	Stereoinversion of <i>R</i> -Configured Secondary Alcohols Using a Single Enzymatic Approach. <i>ChemistrySelect</i> , 2018, 3, 10205-10208.	1.5	6
16	Effect of Gum Arabic on Stallion Sperm Survival During Cold Storage and Post Freezing. <i>Macedonian Veterinary Review</i> , 2018, 41, 21-31.	0.4	1
17	Asymmetric Reduction of Substituted $\alpha$ -Tetralones by <i>Thermoanaerobacter pseudoethanolicus</i> Secondary Alcohol Dehydrogenase. <i>ChemCatChem</i> , 2017, 9, 1487-1493.	3.7	20
18	Study of the Interaction of Some Potential Anticancer Gold(III) Complexes with Biologically Important Thiols Using NMR, UV-Vis, and Electrochemistry. <i>International Journal of Chemical Kinetics</i> , 2017, 49, 387-397.	1.6	3

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19	Consequences of adding gum Arabic as a cryoprotectant on motility and viability of frozen stallion semen. <i>Cryobiology</i> , 2017, 79, 21-28.	0.7	5
20	Solvent, temperature and concentration effects on the optical rotatory dispersion of (R)-3-methylcyclohexanone. <i>Journal of Molecular Structure</i> , 2017, 1130, 19-25.	3.6	12
21	Dual enzymatic dynamic kinetic resolution by <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase and <i>Candida antarctica</i> lipase B. <i>RSC Advances</i> , 2016, 6, 96616-96622.	3.6	21
22	Isolation and characterization of naphthalene biodegrading <i>Methylobacterium radiotolerans</i> bacterium from the eastern coastline of the Kingdom of Saudi Arabia. <i>Archives of Environmental Protection</i> , 2016, 42, 25-32.	1.1	18
23	Deracemization of Secondary Alcohols by using a Single Alcohol Dehydrogenase. <i>ChemCatChem</i> , 2016, 8, 1459-1463.	3.7	28
24	Controlling Substrate Specificity and Stereospecificity of Alcohol Dehydrogenases. <i>ACS Catalysis</i> , 2015, 5, 2100-2114.	11.2	91
25	<i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase mutants with improved racemization activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 115, 155-159.	1.8	23
26	Enantiopure (S)-4-Phenyl-3-butyn-2-ol and (S)-1-Phenyl-2-butanol Through an Enzymatic Reduction. <i>Asian Journal of Chemistry</i> , 2014, 26, 8363-8365.	0.3	1
27	Enzymatic Production of Both Enantiomers of Rhododendrol. <i>Asian Journal of Chemistry</i> , 2014, 26, 6719-6721.	0.3	1
28	Mutation of <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase at Trp-110 affects stereoselectivity of aromatic ketone reduction. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5905-5910.	2.8	37
29	Racemization of enantiopure secondary alcohols by <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2911.	2.8	31
30	Recent advances in alcohol dehydrogenase-catalyzed asymmetric production of hydrophobic alcohols. <i>Catalysis Science and Technology</i> , 2011, 1, 1311.	4.1	111
31	Role of N-Myristoylation of Camp-Dependent Protein Kinase a in Recognition and Phosphorylation of Membrane-Bound Substrates. <i>Biophysical Journal</i> , 2011, 100, 639a.	0.5	0
32	A Myristoyl/Phosphoserine Switch Controls cAMP-Dependent Protein Kinase Association to Membranes. <i>Journal of Molecular Biology</i> , 2011, 411, 823-836.	4.2	46
33	A Single Point Mutation Reverses the Enantiopreference of <i>Thermoanaerobacter ethanolicus</i> Secondary Alcohol Dehydrogenase. <i>ChemCatChem</i> , 2009, 1, 89-93.	3.7	72
34	Activity and selectivity of W110A secondary alcohol dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> in organic solvents and ionic liquids: mono- and biphasic media. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 887.	2.8	50
35	A <i>Thermoanaerobacter ethanolicus</i> secondary alcohol dehydrogenase mutant derivative highly active and stereoselective on phenylacetone and benzylacetone. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 47-55.	2.1	56
36	Asymmetric Reduction and Oxidation of Aromatic Ketones and Alcohols Using W110A Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> . <i>Journal of Organic Chemistry</i> , 2007, 72, 30-34.	3.2	96

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37	Xerogel-Encapsulated W110A Secondary Alcohol Dehydrogenase from <i>Thermoanaerobacter ethanolicus</i> Performs Asymmetric Reduction of Hydrophobic Ketones in Organic Solvents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3091-3094.	13.8	62
38	Bimetallic Complexes with Bridging Dithiaalkane Ligands: Preparation and Kinetic Study. <i>Journal of Coordination Chemistry</i> , 2002, 55, 1199-1207.	2.2	8
39	Dinuclear group VI B metal carbonyl complexes bridged by bis(diphenylphosphino)alkanes. <i>Transition Metal Chemistry</i> , 2002, 27, 163-165.	1.4	7