Davide Tessaro

List of Publications by Year
in descending order

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44	826	430874	526287
papers	citations	18	27
		h-index	g-index

49	49	49	928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemo-enzymatic deracemization methods for the preparation of enantiopure non-natural Î±-amino acids. Coordination Chemistry Reviews, 2008, 252, 715-726.	18.8	84
2	Characterization of a novel amine transaminase from Halomonas elongata. Journal of Molecular Catalysis B: Enzymatic, 2015, 120, 141-150.	1.8	74
3	Enzymatic Conversion of Unnatural Amino Acids by YeastD-Amino Acid Oxidase. Advanced Synthesis and Catalysis, 2006, 348, 2183-2190.	4.3	59
4	Systems Biocatalysis: An Artificial Metabolism for Interconversion of Functional Groups. ACS Catalysis, 2015, 5, 1604-1608.	11.2	41
5	Naphthyl-l-Î±-amino acids via chemo-enzymatic dynamic kinetic resolution. Tetrahedron: Asymmetry, 2012, 23, 938-944.	1.8	37
6	Synergy between catalysts: enzymes and bases. DKR of non-natural amino acids derivatives. Catalysis Science and Technology, 2012, 2, 1606.	4.1	32
7	A Continuousâ€Flow Cascade Reactor System for Subtilisin Aâ€•Catalyzed Dynamic Kinetic Resolution of Nâ€tertâ€Butyloxycarbonylphenylalanine Ethyl Thioester with Benzylamine. Advanced Synthesis and Catalysis, 2016, 358, 1608-1617.	4.3	32
8	Chemo-Enzymatic Dynamic Kinetic Resolution of Amino Acid Thioesters. Advanced Synthesis and Catalysis, 2007, 349, 1345-1348.	4.3	29
9	A practical selective synthesis of mixed short/long chains glycerophosphocholines. Chemistry and Physics of Lipids, 2007, 147, 113-118.	3.2	29
10	Deracemization and Stereoinversion of Î±â€Amino Acids by <scp>l</scp>â€Amino Acid Deaminase. Advanced Synthesis and Catalysis, 2017, 359, 3773-3781.	4.3	27
11	A thermostable L-aspartate oxidase: a new tool for biotechnological applications. Applied Microbiology and Biotechnology, 2013, 97, 7285-7295.	3.6	25
12	The biocatalyzed stereoselective preparation of polycyclic cyanohydrins. Tetrahedron: Asymmetry, 2004, 15, 21-27.	1.8	22
13	Improvements in the enzymatic synthesis of phosphatidylserine employing ionic liquids. Journal of Molecular Catalysis B: Enzymatic, 2012, 84, 132-135.	1.8	22
14	Enzymatic approach to both enantiomers of N-Boc hydrophobic amino acids. Tetrahedron: Asymmetry, 2006, 17, 1995-1999.	1.8	21
15	Potential Application ofN-Carbamoyl-Î²-Alanine Amidohydrolase fromAgrobacterium tumefaciensC58 for Î²-Amino Acid Production. Applied and Environmental Microbiology, 2009, 75, 514-520.	3.1	21
16	Conversion of Oleic Acid into Azelaic and Pelargonic Acid by a Chemo-Enzymatic Route. Molecules, 2020, 25, 1882.	3.8	21
17	â€œA Study in Yellowâ€: Investigations in the Stereoselectivity of Eneâ€Reductases. ChemBioChem, 2022, 23, .	2.6	21
18	<scp>L</scp>â€Amino Acid Amides via Dynamic Kinetic Resolution. Advanced Synthesis and Catalysis, 2011, 353, 2333-2338.	4.3	18

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19	Tandem Tetrahydroisoquinolineâ€4â€carboxylic Acid/Î²â€Alanine as a New Construct Able To Induce a Flexible Turn. Chemistry - A European Journal, 2017, 23, 10822-10831.	3.3	18
20	Synthesis and antiproliferative activity of alkylphosphocholines. Chemistry and Physics of Lipids, 2003, 126, 201-210.	3.2	17
21	Enzymatic Methods for the Manipulation and Valorization of Soapstock from Vegetable Oil Refining Processes. Sustainable Chemistry, 2021, 2, 74-91.	4.7	17
22	Base catalyzed racemization of amino acid derivatives. Tetrahedron: Asymmetry, 2011, 22, 851-856.	1.8	16
23	Biocatalytic Synthesis of Phospholipids and Their Application as Coating Agents for CaCO₃Nano-crystals: Characterization and Intracellular Localization Analysis. ChemistrySelect, 2016, 1, 6507-6514.	1.5	15
24	Enzymatic synthesis of carnosine derivatives catalysed by Burkholderia cepacia lipase. Tetrahedron: Asymmetry, 2009, 20, 1641-1645.	1.8	13
25	Towards a Complete Exploitation of Brewersâ€™ Spent Grain from a Circular Economy Perspective. Fermentation, 2022, 8, 151.	3.0	12
26	An Efficient Protein Evolution Workflow for the Improvement of Bacterial PET Hydrolyzing Enzymes. International Journal of Molecular Sciences, 2022, 23, 264.	4.1	12
27	Continuous-Flow Biocatalytic Process for the Synthesis of the Best Stereoisomers of the Commercial Fragrances Leather Cyclohexanol (4-Isopropylcyclohexanol) and Woody Acetate (4-(Tert-Butyl)Cyclohexyl Acetate). Catalysts, 2020, 10, 102.	3.5	11
28	Chemo-enzymatic approach to d-allo-isoleucine. Tetrahedron: Asymmetry, 2003, 14, 3189-3196.	1.8	10
29	Activity of yeast d-amino acid oxidase on aromatic unnatural amino acids. Journal of Molecular Catalysis B: Enzymatic, 2008, 50, 93-98.	1.8	10
30	Diol-tin ketal as effective catalyst in the tin mediated benzoylation of polyols. Journal of Molecular Catalysis A, 2006, 244, 41-45.	4.8	8
31	Application of Transaminases in a Disperse System for the Bioamination of Hydrophobic Substrates. Advanced Synthesis and Catalysis, 2020, 362, 1156-1166.	4.3	8
32	Discovery and Characterization of a Novel Thermostable Î²â€Amino Acid Transaminase from a Meiothermus Strain Isolated in an Icelandic Hot Spring. Biotechnology Journal, 2020, 15, e2000125.	3.5	6
33	Multi-step chemo-enzymatic synthesis of azelaic and pelargonic acids from the soapstock of high-oleic sunflower oil refinement. Green Chemistry, 2022, 24, 2082-2093.	9.0	6
34	Membrane assisted coupled enzyme system for phospholipid modification. Enzyme and Microbial Technology, 2005, 37, 435-440.	3.2	5
35	Immobilization of <scp>l</scp>-aspartate oxidase from Sulfolobus tokodaii as a biocatalyst for resolution of aspartate solutions. Catalysis Science and Technology, 2015, 5, 1106-1114.	4.1	5
36	Valorization of Corn Seed Oil Acid Degumming Waste for Phospholipids Preparation by Phospholipase D-Mediated Processes. Catalysts, 2020, 10, 809.	3.5	4

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37	New Aliphatic Glycerophosphoryl-Containing Polyurethanes: Synthesis, Platelet Adhesion and Elution Cytotoxicity Studies. International Journal of Artificial Organs, 2009, 32, 204-212.	1.4	3
38	Exploiting the vicinal disubstituent effect on the diastereoselective synthesis of Î³ and Î´ lactones. Organic and Biomolecular Chemistry, 2019, 17, 813-821.	2.8	3
39	Oxidation of threo â€9,10â€Dihydroxystearic Acid Mediated by Micrococcus luteus as a Key Step in the Conversion of Oleic Acid into Pelargonic and Azelaic Acids. ChemCatChem, 2021, 13, 3275-3282.	3.7	3
40	Exploitation of Soybean Oil Acid Degumming Waste: Biocatalytic Synthesis of High Value Phospholipids. ChemistrySelect, 2021, 6, 9157-9163.	1.5	2
41	Discrimination of Chain Positions in Mixed Short/Longâ€Chain Glycerophosphocholines by NMR Chemical Shift Variations. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 1005-1011.	1.9	1
42	Dynamic kinetic resolution of N-Boc-aminoacid thioesters mediated by subtilisin. Journal of Biotechnology, 2010, 150, 123-123.	3.8	1
43	Multistep Enzyme Catalyzed Reactions for Unnatural Amino Acids. Methods in Molecular Biology, 2012, 794, 21-35.	0.9	1
44	Evolution of Chymotrypsin-Like Enzymes for Specific Hydrolytic Bioconversions of Industrial Interest. Journal of Biotechnology, 2010, 150, 379-379.	3.8	0