Francisco J Plou

List of Publications by Year
in descending order

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152 papers	7,730 citations	50244 46 h-index	62565 80 g-index
156 all docs	156 docs citations	156 times ranked	6524 citing authors

#	Article	IF	Citations
1	The Nitration of Proteins, Lipids and DNA by Peroxynitrite Derivatives-Chemistry Involved and Biological Relevance. Stresses, 2022, 2, 53-64.	1.8	27
2	Reuse of Immobilized Komagataella phaffii Cells for the Elimination of <scp>d</scp>-Glucose in Syrups of Bioactive Carbohydrates. ACS Food Science & Technology, 2022, 2, 682-690.	1.3	4
3	Nitration of Flavonoids and Tocopherols as Potential Modulators of Nitrosative Stressâ€"A Study Based on Their Conformational Structures and Energy Content. Stresses, 2022, 2, 213-230.	1.8	5
4	Synthesis of Î²(1Ââ†'Â3) and Î²(1Ââ†'Â6) galactooligosaccharides from lactose and whey using a recombinant Î²-galactosidase from Pantoea anthophila. Electronic Journal of Biotechnology, 2021, 49, 14-21.	1.2	20
5	New insights into the molecular mechanism behind mannitol and erythritol fructosylation by Î²-fructofuranosidase from Schwanniomyces occidentalis. Scientific Reports, 2021, 11, 7158.	1.6	5
6	Impact of Zinc, Glutathione, and Polyphenols as Antioxidants in the Immune Response against SARS-CoV-2. Processes, 2021, 9, 506.	1.3	13
7	Special Issue on â€œApplied Biocatalysis in Europe: A Sustainable Tool for Improving Life Qualityâ€. Catalysts, 2021, 11, 339.	1.6	0
8	Enzymatic Synthesis and Characterization of Different Families of Chitooligosaccharides and Their Bioactive Properties. Applied Sciences (Switzerland), 2021, 11, 3212.	1.3	27
9	The Chemistry of Reactive Oxygen Species (ROS) Revisited: Outlining Their Role in Biological Macromolecules (DNA, Lipids and Proteins) and Induced Pathologies. International Journal of Molecular Sciences, 2021, 22, 4642.	1.8	716
10	Enzymatic Synthesis of Phloretin Î±â€Glucosides Using a Sucrose Phosphorylase Mutant and its Effect on Solubility, Antioxidant Properties and Skin Absorption. Advanced Synthesis and Catalysis, 2021, 363, 3079-3089.	2.1	10
11	Theoretical Three-Dimensional Zinc Complexes with Glutathione, Amino Acids and Flavonoids. Stresses, 2021, 1, 123-141.	1.8	1
12	In Search of Effective Anticancer Agentsâ€"Novel Sugar Esters Based on Polyhydroxyalkanoate Monomers. International Journal of Molecular Sciences, 2021, 22, 7238.	1.8	6
13	Production and characterization of chitooligosaccharides by the fungal chitinase Chit42 immobilized on magnetic nanoparticles and chitosan beads: selectivity, specificity and improved operational utility. RSC Advances, 2021, 11, 5529-5536.	1.7	21
14	Polyglucosylation of Rutin Catalyzed by Cyclodextrin Glucanotransferase from Geobacillus sp.: Optimization and Chemical Characterization of Products. Industrial & Engineering Chemistry Research, 2021, 60, 18651-18659.	1.8	6
15	The bone-degrading enzyme machinery: From multi-component understanding to the treatment of residues from the meat industry. Computational and Structural Biotechnology Journal, 2021, 19, 6328-6342.	1.9	2
16	Lytic Polysaccharide Monooxygenase from Talaromyces amestolkiae with an Enigmatic Linker-like Region: The Role of This Enzyme on Cellulose Saccharification. International Journal of Molecular Sciences, 2021, 22, 13611.	1.8	5
17	Immobilization of the glucose isomerase from Caldicoprobacter algeriensis on Sepabeads EC-HA and its efficient application in continuous High Fructose Syrup production using packed bed reactor. Food Chemistry, 2020, 309, 125710.	4.2	25
18	Genetically engineered proteins with two active sites for enhanced biocatalysis and synergistic chemo- and biocatalysis. Nature Catalysis, 2020, 3, 319-328.	16.1	90

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19	Endo-chitinase Chit33 specificity on different chitinolytic materials allows the production of unexplored chitooligosaccharides with antioxidant activity. Biotechnology Reports (Amsterdam,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	0
20	Molecular characterization and heterologous expression of two Î±-glucosidases from Metschnikowia spp, both producers of honey sugars. Microbial Cell Factories, 2020, 19, 140.	1.9	11
21	A Three-Step Process for the Bioconversion of Whey Permeate into a Glucose-Free D-Tagatose Syrup. Catalysts, 2020, 10, 647.	1.6	19
22	Selective Synthesis of Galactooligosaccharides Containing Î²(1â†'3) Linkages with Î²-Galactosidase from Bifidobacterium bifidum (Saphera). Journal of Agricultural and Food Chemistry, 2020, 68, 4930-4938.	2.4	27
23	Production and Surfactant Properties of Tert-Butyl Î±-d-Glucopyranosides Catalyzed by Cyclodextrin Glucanotransferase. Catalysts, 2019, 9, 575.	1.6	10
24	Efficient production of isomelezitose by a glucosyltransferase activity in Metschnikowia reukaufii cell extracts. Microbial Biotechnology, 2019, 12, 1274-1285.	2.0	15
25	Tailored Enzymatic Synthesis of Chitooligosaccharides with Different Deacetylation Degrees and Their Anti-Inflammatory Activity. Catalysts, 2019, 9, 405.	1.6	29
26	Effect of Î±-Glucosylation on the Stability, Antioxidant Properties, Toxicity, and Neuroprotective Activity of (â€")-Epigallocatechin Gallate. Frontiers in Nutrition, 2019, 6, 30.	1.6	29
27	Structure-Guided Immobilization of an Evolved Unspecific Peroxygenase. International Journal of Molecular Sciences, 2019, 20, 1627.	1.8	15
28	Benchmarking of laboratory evolved unspecific peroxygenases for the synthesis of human drug metabolites. Tetrahedron, 2019, 75, 1827-1831.	1.0	34
29	Deciphering the molecular specificity of phenolic compounds as inhibitors or glycosyl acceptors of Î²-fructofuranosidase from Xanthophyllomyces dendrorhous. Scientific Reports, 2019, 9, 17441.	1.6	5
30	Directed -in vitro- evolution of Precambrian and extant Rubiscos. Scientific Reports, 2018, 8, 5532.	1.6	20
31	Biocatalysis in Spain: A field of success and innovation. Biocatalysis and Biotransformation, 2018, 36, 180-183.	1.1	0
32	Enzymatic production of fully deacetylated chitooligosaccharides and their neuroprotective and anti-inflammatory properties. Biocatalysis and Biotransformation, 2018, 36, 57-67.	1.1	55
33	Optimization of Regioselective Î±-Glucosylation of Hesperetin Catalyzed by Cyclodextrin Glucanotransferase. Molecules, 2018, 23, 2885.	1.7	19
34	Fructosylation of Hydroxytyrosol by the Î²â€Fructofuranosidase from Xanthophyllomyces dendrorhous : Insights into the Molecular Basis of the Enzyme Specificity. ChemCatChem, 2018, 10, 4878-4887.	1.8	14
35	Efficient Î±-Glucosylation of Epigallocatechin Gallate Catalyzed by Cyclodextrin Glucanotransferase from Thermoanaerobacter Species. Journal of Agricultural and Food Chemistry, 2018, 66, 7402-7408.	2.4	20
36	Efficient conversion of chitosan into chitooligosaccharides by a chitosanolytic activity from Bacillus thuringiensis. Process Biochemistry, 2018, 73, 102-108.	1.8	22

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37	Enzymatic Synthesis of a Novel Pterostilbene Î±-Glucoside by the Combination of Cyclodextrin Glucanotransferase and Amyloglucosidase. Molecules, 2018, 23, 1271.	1.7	19
38	Immobilization of the Î²-fructofuranosidase from Xanthophyllomyces dendrorhous by Entrapment in Polyvinyl Alcohol and Its Application to Neo-Fructooligosaccharides Production. Catalysts, 2018, 8, 201.	1.6	18
39	Lipase-Catalyzed Synthesis of Fatty Acid Esters of Trisaccharides. Methods in Molecular Biology, 2018, 1835, 287-296.	0.4	2
40	Effect of High Hydrostatic Pressure, alkaline and combined treatments on corn starch granules metal binding: Structure, swelling behavior and thermal properties assessment. Food and Bioproducts Processing, 2017, 102, 241-249.	1.8	7
41	Prebiotic effect of xylooligosaccharides produced from birchwood xylan by a novel fungal GH11 xylanase. Food Chemistry, 2017, 232, 105-113.	4.2	74
42	Enzymatic Synthesis of a Novel Neuroprotective Hydroxytyrosyl Glycoside. Journal of Agricultural and Food Chemistry, 2017, 65, 10526-10533.	2.4	30
43	Galactooligosaccharide Production from Pantoea anthophila Strains Isolated from â€œTejuinoâ€, a Mexican Traditional Fermented Beverage. Catalysts, 2017, 7, 242.	1.6	15
44	Continuous Packed Bed Reactor with Immobilized Î²-Galactosidase for Production of Galactooligosaccharides (GOS). Catalysts, 2016, 6, 189.	1.6	39
45	Synthesis of 1â€Naphthol by a Natural Peroxygenase Engineered by Directed Evolution. ChemBioChem, 2016, 17, 341-349.	1.3	83
46	Vinyl sulfone-activated silica for efficient covalent immobilization of alkaline unstable enzymes: application to levansucrase for fructooligosaccharide synthesis. RSC Advances, 2016, 6, 64175-64181.	1.7	28
47	Continuous production of chitooligosaccharides by an immobilized enzyme in a dual-reactor system. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, 211-217.	1.8	36
48	Removal of lactose in crude galacto-oligosaccharides by Î²-galactosidase from Kluyveromyces lactis. Journal of Molecular Catalysis B: Enzymatic, 2016, 133, 85-91.	1.8	27
49	Exploring the transferase activity of Ffase from Schwanniomyces occidentalis, a Î²-fructofuranosidase showing high fructosyl-acceptor promiscuity. Applied Microbiology and Biotechnology, 2016, 100, 8769-8778.	1.7	16
50	An efficient continuous flow process for the synthesis of a non-conventional mixture of fructooligosaccharides. Food Chemistry, 2016, 190, 607-613.	4.2	43
51	Molecular characterization and heterologous expression of a Xanthophyllomyces dendrorhous Î±-glucosidase with potential for prebiotics production. Applied Microbiology and Biotechnology, 2016, 100, 3125-3135.	1.7	20
52	Synthesis and emulsifying properties of carbohydrate fatty acid esters produced from Agave tequilana fructans by enzymatic acylation. Food Chemistry, 2016, 204, 437-443.	4.2	28
53	Low-Lactose, Prebiotic-Enriched Milk. , 2016, , 47-57.		1
54	Ants impact the energy reserves of natural enemies through the shared honeydew exploitation. Ecological Entomology, 2015, 40, 687-695.	1.1	23

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55	Levan versus fructooligosaccharide synthesis using the levansucrase from Zymomonas mobilis: Effect of reaction conditions. Journal of Molecular Catalysis B: Enzymatic, 2015, 119, 18-25.	1.8	66
56	Lipase-catalyzed preparation of mono- and diesters of ferulic acid. Biocatalysis and Biotransformation, 2015, 33, 89-97.	1.1	11
57	Heterologous overproduction of Î²-fructofuranosidase from yeast Xanthophyllomyces dendrorhous, an enzyme producing prebiotic sugars. Applied Microbiology and Biotechnology, 2015, 99, 3459-3467.	1.7	31
58	Micro-scale procedure for enzyme immobilization screening and operational stability assays. Biotechnology Letters, 2015, 37, 1593-1600.	1.1	14
59	Sweet-and-salty biocatalysis: Fructooligosaccharides production using Cladosporium cladosporioides in seawater. Process Biochemistry, 2015, 50, 1086-1090.	1.8	15
60	Galactooligosaccharides formation during enzymatic hydrolysis of lactose: Towards a prebiotic-enriched milk. Food Chemistry, 2014, 145, 388-394.	4.2	104
61	Trichoderma Enzymes for Food Industries. , 2014, , 339-344.		17
62	Production of fructooligosaccharides by mycelium-bound transfructosylation activity present in Cladosporium cladosporioides and Penicilium sizovae. Process Biochemistry, 2014, 49, 2174-2180.	1.8	36
63	Analysis of fermentation selectivity of purified galacto-oligosaccharides by in vitro human faecal fermentation. Applied Microbiology and Biotechnology, 2013, 97, 5743-5752.	1.7	51
64	Dried alginate-entrapped enzymes (DALGEEs) and their application to the production of fructooligosaccharides. Process Biochemistry, 2013, 48, 677-682.	1.8	53
65	Widening the pH Activity Profile of a Fungal Laccase by Directed Evolution. ChemBioChem, 2013, 14, 934-937.	1.3	52
66	Detailed Analysis of Galactooligosaccharides Synthesis with Î²-Galactosidase from Aspergillus oryzae. Journal of Agricultural and Food Chemistry, 2013, 61, 1081-1087.	2.4	108
67	Using Evaporation-Induced Self-Assembly for the Direct Drug Templating of Therapeutic Vectors with High Loading Fractions, Tunable Drug Release, and Controlled Degradation. Chemistry of Materials, 2013, 25, 4671-4678.	3.2	24
68	On the Enzyme Specificity for the Synthesis of Prebiotic Galactooligosaccharides. , 2013, , 23-39.		5
69	Synthesis of 6â€Kestose using an Efficient Î²â€Fructofuranosidase Engineered by Directed Evolution. Advanced Synthesis and Catalysis, 2013, 355, 1698-1702.	2.1	17
70	Structural and Kinetic Insights Reveal That the Amino Acid Pair Gln-228/Asn-254 Modulates the Transfructosylating Specificity of Schwanniomyces occidentalis Î²-Fructofuranosidase, an Enzyme That Produces Prebiotics. Journal of Biological Chemistry, 2012, 287, 19674-19686.	1.6	39
71	Recombinant sterol esterase from Ophiostoma piceae: an improved biocatalyst expressed in Pichia pastoris. Microbial Cell Factories, 2012, 11, 73.	1.9	30
72	Production of bioethanol from carrot discards. Bioresource Technology, 2012, 123, 727-732.	4.8	31

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73	Galacto-oligosaccharide Synthesis from Lactose Solution or Skim Milk Using the Î²-Galactosidase from Bacillus circulans. Journal of Agricultural and Food Chemistry, 2012, 60, 6391-6398.	2.4	96
74	Analysis of neofructooligosaccharides production mediated by the extracellular Î²-fructofuranosidase from Xanthophyllomyces dendrorhous. Bioresource Technology, 2012, 109, 123-130.	4.8	61
75	Lipase-Catalyzed Modification of Phenolic Antioxidants. Methods in Molecular Biology, 2012, 861, 435-443.	0.4	7
76	Production of Galacto-oligosaccharides by the Î²-Galactosidase from Kluyveromyces lactis: Comparative Analysis of Permeabilized Cells versus Soluble Enzyme. Journal of Agricultural and Food Chemistry, 2011, 59, 10477-10484.	2.4	92
77	Immobilized Biocatalysts: Novel Approaches and Tools for Binding Enzymes to Supports. Advanced Materials, 2011, 23, 5275-5282.	11.1	152
78	Influence of reaction conditions on the selectivity of the synthesis of lactulose with microbial Î²-galactosidases. Journal of Molecular Catalysis B: Enzymatic, 2011, 72, 206-212.	1.8	84
79	Synthesis and Properties of Ascorbyl Esters Catalyzed by Lipozyme TL IM using Triglycerides as Acyl Donors. JAOCS, Journal of the American Oil Chemists' Society, 2011, 88, 57-64.	0.8	36
80	Enzymatic Synthesis of Î±â€Glucosides of Resveratrol with Surfactant Activity. Advanced Synthesis and Catalysis, 2011, 353, 1077-1086.	2.1	64
81	Screening β-Fructofuranosidases Mutant Libraries to Enhance the Transglycosylation Rates of β-(2→6) Fructooligosaccharides. Combinatorial Chemistry and High Throughput Screening, 2011, 14, 730-738.	0.6	13
82	Regioselective Lipase-Catalyzed Synthesis of 3-O-Acyl Derivatives of Resveratrol and Study of Their Antioxidant Properties. Journal of Agricultural and Food Chemistry, 2010, 58, 807-813.	2.4	68
83	Antioxidant Activity of Resveratrol in Several Fish Lipid Matrices: Effect of Acylation and Glucosylation. Journal of Agricultural and Food Chemistry, 2010, 58, 9778-9786.	2.4	53
84	Biochemical characterization of a ÃŽÂ²-fructofuranosidase fromRhodotorula dairenensiswith transfructosylating activity. FEMS Yeast Research, 2009, 9, 768-773.	1.1	36
85	Molecular and Biochemical Characterization of a Î²-Fructofuranosidase from Xanthophyllomyces dendrorhous. Applied and Environmental Microbiology, 2009, 75, 1065-1073.	1.4	87
86	Decolorization of synthetic dyes by laccase immobilized on epoxy-activated carriers. Process Biochemistry, 2008, 43, 169-178.	1.8	222
87	Altering the laccase functionality by in vivo assembly of mutant libraries with different mutational spectra. Proteins: Structure, Function and Bioinformatics, 2008, 71, 250-260.	1.5	56
88	Acetylation of vitamin E by Candida antarctica lipase B immobilized on different carriers. Process Biochemistry, 2008, 43, 145-153.	1.8	53
89	Characterization and application of a sterol esterase immobilized on polyacrylate epoxy-activated carriers (Dilbeadsâ„¢). Catalysis Communications, 2008, 9, 539-545.	1.6	26
90	Engineering and Applications of fungal laccases for organic synthesis. Microbial Cell Factories, 2008, 7, 32.	1.9	280

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91	Combinatorial Saturation Mutagenesis of the Myceliophthora thermophila Laccase T2 Mutant: the Connection between the C-Terminal Plug and the Conserved VSG Tripeptide. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 807-816.	0.6	32
92	Laccases and Their Applications: A Patent Review. Recent Patents on Biotechnology, 2008, 2, 10-24.	0.4	251
93	Enzymatic Modification for Ascorbic Acid and Alpha-Tocopherol to Enhance their Stability in Food and Nutritional Application. The Open Food Science Journal, 2008, 2, 1-9.	1.0	24
94	Immobilization ofpycnoporus coccineuslaccase on Eupergit C: Stabilization and treatment of olive oil mill wastewaters. Biocatalysis and Biotransformation, 2007, 25, 130-134.	1.1	48
95	Environmental biocatalysis: From remediation with enzymes to novel green processes. Biocatalysis and Biotransformation, 2007, 25, 113-113.	1.1	10
96	Purification and kinetic characterization of a fructosyltransferase from Aspergillus aculeatus. Journal of Biotechnology, 2007, 128, 204-211.	1.9	140
97	Characterization of a Î²-fructofuranosidase from Schwanniomyces occidentalis with transfructosylating activity yielding the prebiotic 6-kestose. Journal of Biotechnology, 2007, 132, 75-81.	1.9	106
98	Application of Glycosidases and Transglycosidases in the Synthesis of Oligosaccharides. , 2007, , 141-157.		29
99	Transformation of Polycyclic Aromatic Hydrocarbons by Laccase Is Strongly Enhanced by Phenolic Compounds Present in Soil. Environmental Science & Technology, 2007, 41, 2964-2971.	4.6	147
100	Bioremediation of polycyclic aromatic hydrocarbons by fungal laccases engineered by directed evolution. Biocatalysis and Biotransformation, 2007, 25, 219-228.	1.1	23
101	In Vitro Evolution of a Fungal Laccase in High Concentrations of Organic Cosolvents. Chemistry and Biology, 2007, 14, 1052-1064.	6.2	104
102	Biochemical and structural features of a novel cyclodextrinase from cow rumen metagenome. Biotechnology Journal, 2007, 2, 207-213.	1.8	39
103	Transformation of maltose into prebiotic isomaltooligosaccharides by a novel Î±-glucosidase from Xantophyllomyces dendrorhous. Process Biochemistry, 2007, 42, 1530-1536.	1.8	56
104	Synthesis of methyl Î±-d-glucooligosaccharides by entrapped dextransucrase from Leuconostoc mesenteroides B-1299. Journal of Biotechnology, 2006, 124, 439-445.	1.9	23
105	Beet Sugar Syrup and Molasses as Low-Cost Feedstock for the Enzymatic Production of Fructo-oligosaccharides. Journal of Agricultural and Food Chemistry, 2006, 54, 2964-2968.	2.4	56
106	Novel Polyphenol Oxidase Mined from a Metagenome Expression Library of Bovine Rumen. Journal of Biological Chemistry, 2006, 281, 22933-22942.	1.6	168
107	Environmental biocatalysis: from remediation with enzymes to novel green processes. Trends in Biotechnology, 2006, 24, 281-287.	4.9	352
108	Combinatorial Saturation Mutagenesis by In Vivo Overlap Extension for the Engineering of Fungal Laccases. Combinatorial Chemistry and High Throughput Screening, 2006, 9, 719-727.	0.6	37

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109	A novel Î±-glucosidase from the acidophilic archaeon Ferroplasma acidiphilum strain Y with high transglycosylation activity and an unusual catalytic nucleophile. Biochemical Journal, 2005, 391, 269-276.	1.7	41
110	Synthesis of sugar esters in solvent mixtures by lipases from Thermomyces lanuginosus and Candida antarctica B, and their antimicrobial properties. Enzyme and Microbial Technology, 2005, 36, 391-398.	1.6	219
111	Antitumour activity of fatty acid maltotriose esters obtained by enzymatic synthesis. Biotechnology and Applied Biochemistry, 2005, 42, 35.	1.4	32
112	Immobilisation of fructosyltransferase from Aspergillus aculeatus on epoxy-activated Sepabeads EC for the synthesis of fructo-oligosaccharides. Journal of Molecular Catalysis B: Enzymatic, 2005, 35, 19-27.	1.8	97
113	Conversion of a Carboxylesterase into a Triacylglycerol Lipase by a Random Mutation. Angewandte Chemie - International Edition, 2005, 44, 7553-7557.	7.2	32
114	Screening Mutant Libraries of Fungal Laccases in the Presence of Organic Solvents. Journal of Biomolecular Screening, 2005, 10, 624-631.	2.6	62
115	Parameters affecting productivity in the lipase-catalysed synthesis of sucrose palmitate. Biocatalysis and Biotransformation, 2005, 23, 19-27.	1.1	42
116	Immobilization of Dextransucrase from Leuconostoc mesenteroides NRRL B-512F on Eupergit C Supports. Biotechnology Progress, 2004, 20, 1414-1420.	1.3	56
117	Effect of carbohydrate fatty acid esters on Streptococcus sobrinus and glucosyltransferase activity. Carbohydrate Research, 2004, 339, 1029-1034.	1.1	59
118	Synthesis of maltooligosyl fructofuranosides catalyzed by immobilized cyclodextrin glucosyltransferase using starch as donor. Tetrahedron, 2004, 60, 529-534.	1.0	24
119	Immobilization on Eupergit C of cyclodextrin glucosyltransferase (CGTase) and properties of the immobilized biocatalyst. Journal of Molecular Catalysis B: Enzymatic, 2003, 21, 299-308.	1.8	99
120	Chemical modification of carboxylic residues in a cyclodextrin glucanotransferase and its implication in the hydrolysis/transglycosylation ratio of the Î±-amylase family. Journal of Molecular Catalysis B: Enzymatic, 2003, 26, 57-67.	1.8	9
121	Encapsulation in LentiKats of Dextransucrase fromLeuconostoc mesenteroidesNRRL B-1299, and its Effect on Product Selectivity. Biocatalysis and Biotransformation, 2003, 21, 325-331.	1.1	32
122	Effect of the Immobilization Method of Lipase from Thermomyces lanuginosus on Sucrose Acylation. Biocatalysis and Biotransformation, 2002, 20, 63-71.	1.1	41
123	Solubility of Glucose in Mixtures Containing 2-Methyl-2-butanol, Dimethyl Sulfoxide, Acids, Esters, and Water. Journal of Chemical & Engineering Data, 2002, 47, 807-810.	1.0	32
124	Solubility Measurements of Fatty Acid Glucose and Sucrose Esters in 2-Methyl-2-butanol and Mixtures of 2-Methyl-2-butanol with Dimethyl Sulfoxide. Journal of Chemical & Engineering Data, 2002, 47, 1517-1520.	1.0	10
125	Comparative Surface Activities of Di- and Trisaccharide Fatty Acid Esters. Langmuir, 2002, 18, 667-673.	1.6	109
126	Glucosyltransferases acting on starch or sucrose for the synthesis of oligosaccharides. Canadian Journal of Chemistry, 2002, 80, 743-752.	0.6	59

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127	Computational Studies of Subtilisin-Catalyzed Transesterification of Sucrose: Importance of Entropic Effects.. ChemBioChem, 2002, 3, 907-910.	1.3	6
128	Production, isolation and characterization of a sterol esterase from Ophiostoma piceae. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2002, 1599, 28-35.	1.1	46
129	Enzymatic acylation of di- and trisaccharides with fatty acids: choosing the appropriate enzyme, support and solvent. Journal of Biotechnology, 2002, 96, 55-66.	1.9	183
130	Covalent immobilization of cyclodextrin glucosyltransferase (CGTase) in activated silica and Sepharose. Indian Journal of Biochemistry and Biophysics, 2002, 39, 229-34.	0.2	7
131	Succinylation of cyclodextrin glycosyltransferase from Thermoanaerobacter sp. 501 enhances its transferase activity using starch as donor. Journal of Biotechnology, 2001, 86, 71-80.	1.9	20
132	Synthesis of Malto-Oligosaccharides Via the Acceptor Reaction Catalyzed by Cyclodextrin Glycosyltransferases. Biocatalysis and Biotransformation, 2001, 19, 21-35.	1.1	30
133	Improved synthesis of sucrose fatty acid monoesters. JAOCS, Journal of the American Oil Chemists' Society, 2001, 78, 541-546.	0.8	33
134	Purification and properties of a lipase fromPenicillium chrysogenum isolated from industrial wastes. Journal of Chemical Technology and Biotechnology, 2000, 75, 569-576.	1.6	29
135	A Simple Procedure for the Regioselective Synthesis of Fatty Acid Esters of Maltose, Leucrose, Maltotriose and n-Dodecyl Maltosides. Tetrahedron, 2000, 56, 4053-4061.	1.0	73
136	Title is missing!. Biotechnology Letters, 1999, 13, 749-755.	0.5	30
137	Lipase-catalyzed regioselective acylation of sucrose in two-solvent mixtures. , 1999, 65, 10-16.		139
138	Chemical modification of lysine side chains of cyclodextrin glycosyltransferase fromThermoanaerobactercauses a shift from cyclodextrin glycosyltransferase to Î±-amylase specificity. FEBS Letters, 1999, 445, 333-337.	1.3	33
139	Analysis of Tween 80 as an esterase/ lipase substrate for lipolytic activity assay. Biotechnology Letters, 1998, 12, 183-186.	0.5	85
140	Effect of Chemical Modification of Cyclodextrin Glycosyltransferase (CGTase) from Thermoanaerobacter sp. on Its Activity and Product Selectivitya. Annals of the New York Academy of Sciences, 1998, 864, 183-187.	1.8	10
141	Stability in the presence of organic solvents of dextransucrase from Leuconostoc mesenteroides NRRL B-512F immobilized in calcium-alginate beads. Progress in Biotechnology, 1998, 15, 535-540.	0.2	2
142	Kinetic and Enantioselective Behaviour of Isoenzymes A and B from Candida Rugosa Lipase in the Hydrolysis of Lipids and Esters. Biocatalysis and Biotransformation, 1997, 15, 75-89.	1.1	14
143	Characterization of the Electrostatic Perturbation of a Catalytic Site (Cys)-Sâ€"/(His)-Im+H Ion-pair in One Type of Serine Proteinase Architecture by Kinetic and Computational Studies on Chemically Mutated Subtilisin Variants. Journal of Molecular Biology, 1996, 257, 1088-1111.	2.0	32
144	High-yield production of mono- and di-oleylglycerol by lipase-catalyzed hydrolysis of triolein. Enzyme and Microbial Technology, 1996, 18, 66-71.	1.6	77

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145	Effect of Surfactants on Activity and Stability of Native and Chemically Modified Lipases A and B from Candida Rugosa. Biocatalysis and Biotransformation, 1996, 13, 271-285.	1.1	13
146	Effect of chemical modification of isoenzymes A and B from C. rugosa on their activity and stability. Biotechnology Letters, 1995, 17, 171-176.	1.1	16
147	Enzymatic Synthesis of Oleins in Organic Media. Annals of the New York Academy of Sciences, 1995, 750, 242-245.	1.8	2
148	Enzymatic Synthesis of Partially Acylated Sucroses. Annals of the New York Academy of Sciences, 1995, 750, 332-337.	1.8	16
149	Acylation of subtilisin with long fatty acyl residues affects its activity and thermostability in aqueous medium. FEBS Letters, 1994, 339, 200-204.	1.3	8
150	Synthesis, reactivity, and X-ray crystal structure of [Rh{C6H4N(O)O-2}(Î·-C5Me5)Cl]. Journal of the Chemical Society Dalton Transactions, 1990, , 1459-1462.	1.1	15
151	Diolefin and carbonyl rhodium(I) and iridium(I) complexes with phosphine sulphide ligands. Crystal structure of [Rh(COD)(Et2P(S)(S)PEt2)]ClO4. Journal of Organometallic Chemistry, 1989, 373, 269-278.	0.8	23
152	Synthesis and x-ray structure of the heterotrinuclear complex [Pd{(Î¼-Cl)(Î·2-Î¼-P(O)(OMe)2)Rh(cod)}2]. An unusual bridging coordination mode involving phosphonate ligands. Inorganica Chimica Acta, 1988, 150, 157-159.	1.2	12