

Thierry Maugard

List of Publications by Year in descending order

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73
papers

1,871
citations

236833

25
h-index

302012

39
g-index

74
all docs

74
docs citations

74
times ranked

2376
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of an indigo precursor from leaves of <i>Isatis tinctoria</i> (Woad). <i>Phytochemistry</i> , 2001, 58, 897-904.	1.4	153
2	Microwave-assisted synthesis of galacto-oligosaccharides from lactose with immobilized beta-galactosidase from <i>Kluyveromyces lactis</i> . <i>Biotechnology Letters</i> , 2003, 25, 623-629.	1.1	86
3	Antibacterial activity of a sulfated galactan extracted from the marine alga <i>Chaetomorpha aerea</i> against <i>Staphylococcus aureus</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 937-945.	1.4	77
4	Seasonal dynamics of extracellular polymeric substances (EPS) in surface sediments of a diatom-dominated intertidal mudflat (Marennes-Oléron, France). <i>Journal of Sea Research</i> , 2014, 92, 26-35.	0.6	64
5	Anticoagulant Activity of Sulfated Ulvan Isolated from the Green Macroalga <i>Ulva rigida</i> . <i>Marine Drugs</i> , 2019, 17, 291.	2.2	58
6	Enzymatic synthesis of glycamide surfactants by amidification reaction. <i>Tetrahedron</i> , 1997, 53, 5185-5194.	1.0	56
7	Lipase-catalyzed chemoselective n-acylation of amino-sugar derivatives in hydrophobic solvent: Acid-amine ion-pair effects. <i>Tetrahedron</i> , 1997, 53, 7587-7594.	1.0	48
8	Measuring Angiotensin-I Converting Enzyme Inhibitory Activity by Micro Plate Assays: Comparison Using Marine Cryptides and Tentative Threshold Determinations with Captopril and Losartan. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10685-10690.	2.4	47
9	Pilot production of ulvans from <i>Ulva</i> sp. and their effects on hyaluronan and collagen production in cultured dermal fibroblasts. <i>Carbohydrate Polymers</i> , 2017, 157, 1306-1314.	5.1	47
10	Fungus β -glycosidases: immobilization and use in alkyl- β -glycoside synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 89-94.	1.8	43
11	Biochemical Composition and Changes of Extracellular Polysaccharides (ECPS) Produced during Microphytobenthic Biofilm Development (Marennes-Oléron, France). <i>Microbial Ecology</i> , 2012, 63, 157-169.	1.4	43
12	λ -Carrageenan Oligosaccharides of Distinct Anti-Heparanase and Anticoagulant Activities Inhibit MDA-MB-231 Breast Cancer Cell Migration. <i>Marine Drugs</i> , 2019, 17, 140.	2.2	41
13	β -Glucosidase-Catalyzed Hydrolysis of Indican from Leaves of <i>Polygonum tinctorium</i> . <i>Biotechnology Progress</i> , 2002, 18, 1104-1108.	1.3	41
14	Study of Vitamin Ester Synthesis by Lipase-Catalyzed Transesterification in Organic Media. <i>Biotechnology Progress</i> , 2000, 16, 358-362.	1.3	40
15	Complex coacervation of pea protein isolate and tragacanth gum: Comparative study with commercial polysaccharides. <i>Innovative Food Science and Emerging Technologies</i> , 2021, 69, 102641.	2.7	40
16	Family of Bioactive Heparin-Coated Iron Oxide Nanoparticles with Positive Contrast in Magnetic Resonance Imaging for Specific Biomedical Applications. <i>Biomacromolecules</i> , 2017, 18, 3156-3167.	2.6	37
17	Assessment of Heparanase-Mediated Angiogenesis Using Microvascular Endothelial Cells: Identification of λ -Carrageenan Derivative as a Potent Anti Angiogenic Agent. <i>Marine Drugs</i> , 2017, 15, 134.	2.2	36
18	Enzymatic amidification for the synthesis of biodegradable surfactants: Synthesis of N-acylated hydroxylated amines. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1998, 5, 13-17.	1.8	32

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19	Gas phase biotransformation reaction catalyzed by baker's yeast. <i>Biotechnology and Bioengineering</i> , 2001, 73, 164-168.	1.7	31
20	Î ² -Galactosidase Catalyzed Selective Galactosylation of Aromatic Compounds. <i>Biotechnology Progress</i> , 2006, 22, 326-330.	1.3	31
21	One-pot stereoselective synthesis of Î ² -N-aryl-glycosides by N-glycosylation of aromatic amines: application to the synthesis of tumor-associated carbohydrate antigen building blocks. <i>Tetrahedron</i> , 2007, 63, 4178-4183.	1.0	31
22	Dextranase immobilization on epoxy CIMÂ® disk for the production of isomaltooligosaccharides from dextran. <i>Carbohydrate Polymers</i> , 2014, 111, 707-713.	5.1	31
23	High-performance hydrolysis of wheat straw using cellulase and thermomechanical pretreatment. <i>Process Biochemistry</i> , 2011, 46, 2194-2200.	1.8	29
24	Biotransformation of halogenated compounds by lyophilized cells of <i>Rhodococcus erythropolis</i> in a continuous solidâ€“gas biofilter. <i>Process Biochemistry</i> , 2005, 40, 45-51.	1.8	28
25	Marine diatom <i>Navicula jeffreyi</i> from biochemical composition and physico-chemical surface properties to understanding the first step of benthic biofilm formation. <i>Journal of Adhesion Science and Technology</i> , 2014, 28, 1739-1753.	1.4	28
26	Lipase-catalysed synthesis of biosurfactants by transacylation of N-methyl-glucamine and fatty-acid methyl esters. <i>Tetrahedron</i> , 1997, 53, 7629-7634.	1.0	27
27	Ultrasonic-assisted preparation of a low molecular weight heparin (LMWH) with anticoagulant activity. <i>Carbohydrate Polymers</i> , 2013, 97, 684-689.	5.1	26
28	The effects of organic solvents on the efficiency and regioselectivity of <i>N</i> -acetylâ€“lactosamine synthesis, using the Î ² -galactosidase from <i>Bacillus circulans</i> in hydroâ€“organic media. <i>Biotechnology Progress</i> , 2010, 26, 1278-1289.	1.3	25
29	The control of NovozymÂ® 435 chemoselectivity and specificity by the solvents in acylation reactions of amino-alcohols. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 95, 99-110.	1.8	25
30	The effect of substrate structure on the chemoselectivity of <i>Candida antarctica</i> lipase B-catalyzed acylation of amino-alcohols. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 193-199.	1.8	25
31	Evaluation of thermomechanical pretreatment for enzymatic hydrolysis of pure microcrystalline cellulose and cellulose from Brewersâ€™ spent grain. <i>Journal of Cereal Science</i> , 2011, 54, 305-310.	1.8	24
32	A comparative study of the regioselectivity of the Î ² -galactosidases from <i>Kluyveromyces lactis</i> and <i>Bacillus circulans</i> in the enzymatic synthesis of <i>N</i> -acetylâ€“lactosamine in aqueous media. <i>Biotechnology Progress</i> , 2011, 27, 386-394.	1.3	24
33	Kinetic study of chemoselective acylation of amino-alditol by immobilized lipase in organic solvent: effect of substrate ionization. <i>BBA - Proteins and Proteomics</i> , 1998, 1387, 177-183.	2.1	23
34	Haloalkane hydrolysis by <i>Rhodococcus erythropolis</i> cells: Comparison of conventional aqueous phase dehalogenation and nonconventional gas phase dehalogenation. <i>Biotechnology and Bioengineering</i> , 2004, 86, 47-54.	1.7	23
35	Evaluation of the anticoagulant potential of polysaccharide-rich fractions extracted from macroalgae. <i>Natural Product Research</i> , 2017, 31, 2126-2136.	1.0	23
36	Role of water activity and temperature on activity and stability of dried whole cells of <i>Saccharomyces cerevisiae</i> in a continuous solidâ€“gas bioreactor. <i>Enzyme and Microbial Technology</i> , 2002, 31, 425-430.	1.6	22

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37	Comparison of two Î²-glucosidases for the enzymatic synthesis of Î²-(1-6)-Î²-(1-3)-gluco-oligosaccharides. <i>Biotechnology Letters</i> , 2004, 26, 675-679.	1.1	22
38	Efficient synthesis of gluco-oligosaccharides and alkyl-glucosides by transglycosylation activity of Î²-glucosidase from <i>Sclerotinia sclerotiorum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 145-149.	1.7	22
39	Anti-heparanase activity of ultra-low-molecular-weight heparin produced by physicochemical depolymerization. <i>Carbohydrate Polymers</i> , 2016, 135, 316-323.	5.1	22
40	Biochemical characterization of extracellular polymeric substances extracted from an intertidal mudflat using a cation exchange resin. <i>Biochemical Systematics and Ecology</i> , 2010, 38, 917-923.	0.6	21
41	Proton Shuttle Mechanism in the Transition State of Lipaseâ€Catalyzed Nâ€Acylation of Amino Alcohols. <i>ChemCatChem</i> , 2013, 5, 1842-1853.	1.8	20
42	Eco-friendly process combining acid-catalyst and thermomechanical pretreatment for improving enzymatic hydrolysis of hemp hurds. <i>Bioresource Technology</i> , 2018, 257, 192-200.	4.8	20
43	Synthesis of Water-Soluble Retinol Derivatives by Enzymatic Method. <i>Biotechnology Progress</i> , 2002, 18, 424-428.	1.3	19
44	Microencapsulation and controlled release of Î±-tocopherol by complex coacervation between pea protein and tragacanth gum: A comparative study with arabic and tara gums. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 77, 102951.	2.7	18
45	Enzymatic synthesis of derivatives of vitamin A in organic media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2000, 8, 275-280.	1.8	17
46	Bioremediation of halogenated compounds: Comparison of dehalogenating bacteria and improvement of catalyst stability. <i>Chemosphere</i> , 2006, 65, 1146-1152.	4.2	16
47	Nonconventional hydrolytic dehalogenation of 1-chlorobutane by dehydrated bacteria in a continuous solid-gas biofilter. <i>Biotechnology and Bioengineering</i> , 2005, 91, 304-313.	1.7	15
48	Di and tripeptides from marine sources can target adipogenic process and contribute to decrease adipocyte number and functions. <i>Journal of Functional Foods</i> , 2015, 17, 1-10.	1.6	15
49	Kinetic study of 2-butanol O-acylation and sec-butylamine N-acylation catalyzed by <i>Candida antarctica</i> lipase B. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 108-113.	1.8	14
50	Cathepsin D activity and selectivity in the acidic conditions of a tumor microenvironment: Utilization in the development of a novel Cathepsin D substrate for simultaneous cancer diagnosis and therapy. <i>Biochimie</i> , 2013, 95, 2010-2017.	1.3	14
51	Enzymatic procedures for the synthesis of water-soluble retinol derivatives in organic media. <i>Enzyme and Microbial Technology</i> , 2003, 32, 312-320.	1.6	13
52	An optimized methodology to analyze biopolymer capsules by environmental scanning electron microscopy. <i>Materials Science and Engineering C</i> , 2015, 47, 357-366.	3.8	13
53	The TOTUM-63 Supplement and High-Intensity Interval Training Combination Limits Weight Gain, Improves Glycemic Control, and Influences the Composition of Gut Mucosa-Associated Bacteria in Rats on a High Fat Diet. <i>Nutrients</i> , 2021, 13, 1569.	1.7	13
54	Lipase-catalysed production of N-oleoyl-taurine sodium salt in non-aqueous medium. <i>Biotechnology Letters</i> , 1997, 19, 751-753.	1.1	12

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55	Bioactive polysaccharides from microalgae. , 2020, , 533-571.		12
56	Continuous lipase-catalyzed production of pseudo-ceramides in a packed-bed bioreactor. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 109, 143-153.	1.8	10
57	Production of heparin and λ -carrageenan anti-heparanase derivatives using a combination of physicochemical depolymerization and glycol splitting. <i>Carbohydrate Polymers</i> , 2017, 166, 156-165.	5.1	10
58	Ulva intestinalis Protein Extracts Promote In Vitro Collagen and Hyaluronic Acid Production by Human Dermal Fibroblasts. <i>Molecules</i> , 2020, 25, 2091.	1.7	10
59	Effects of Totum-63 on glucose homeostasis and postprandial glycemia: a translational study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E1119-E1137.	1.8	10
60	Heparin length in the coating of extremely small iron oxide nanoparticles regulates <i>in vivo</i> theranostic applications. <i>Nanoscale</i> , 2021, 13, 842-861.	2.8	8
61	Non-conventional gas phase remediation of volatile halogenated compounds by dehydrated bacteria. <i>Journal of Environmental Management</i> , 2009, 90, 2841-2844.	3.8	7
62	Alteration of cathepsin D trafficking induced by hypoxia and extracellular acidification in MCF-7 breast cancer cells. <i>Biochimie</i> , 2016, 121, 123-130.	1.3	7
63	Facile synthesis of pseudo-C-glycosyl p-amino-dl-phenylalanine building blocks via Amadori rearrangement. <i>Tetrahedron</i> , 2009, 65, 531-535.	1.0	5
64	Bacillus circulans β -galactosidase catalyses the synthesis of N-acetyl-lactosamine in a hydro-organic medium via a steady-state ordered Bi Bi reaction mechanism. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 77, 24-31.	1.8	5
65	Characterization and quantification of phenolic compounds of Argania spinosa leaves by HPLC-PDA-ESI-MS analyses and their antioxidant activity. <i>Chemistry of Natural Compounds</i> , 2013, 48, 1069-1071.	0.2	5
66	Enzymatic synthesis of water-soluble derivatives of salicylic acid in organic media. <i>Biotechnology Letters</i> , 2001, 23, 989-993.	1.1	4
67	A Marine λ -Oligocarrageenan Inhibits Migratory and Invasive Ability of MDA-MB-231 Human Breast Cancer Cells through Actions on Heparanase Metabolism and MMP-14/MMP-2 Axis. <i>Marine Drugs</i> , 2021, 19, 546.	2.2	3
68	Impact of TOTUM-63, a fibre and polyphenol rich plant-based composition, on gut and pancreatic hormone secretion in diet-induced obese mice. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2022, 32, 1797-1807.	1.1	2
69	Enzymatic Synthesis of Surfactants Via Amide Bonds. <i>Biocatalysis and Biotransformation</i> , 1998, 16, 383-393.	1.1	1
70	Chemoselective Amidification of Amino-Polyols Catalyzed with Lipases in Organic Solvents. , 2001, , 325-330.		1
71	β -glucosidase from Sclerotinia sclerotiorum: a new and efficient purification procedure and use as a suitable marker in immuno-enzymatic assay. <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 1363-1370.	1.7	0
72	Solid/Gas Biocatalysis. , 0, , 255-278.		0

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73	Semi-pilot scale-up of a continuous packed-bed bioreactor system developed for the lipase-catalyzed production of pseudo-ceramides. OCL - Oilseeds and Fats, Crops and Lipids, 2017, 24, D406.	0.6	0