cedric Delattre

List of Publications by Year in descending order

143 papers	5,016 citations	87888 38 h-index	110387 64 g-index
144 all docs	144 docs citations	144 times ranked	5754 citing authors

#	Article	IF	Citations
1	Exopolysaccharide from the yeast Papiliotrema terrestris PT22AV for skin wound healing. Journal of Advanced Research, 2023, 46, 61-74.	9.5	10
2	CaractÃ©risation et activitÃ©s biologiques d'un extrait polysaccharidique de Ferula communis L. (Apiaceae) rÃ©coltÃ© au Sahara. Phytotherapie, 2022, 20, 205-213.	0.1	1
3	Development of phenol-grafted polyglucuronic acid and its application to extrusion-based bioprinting inks. Carbohydrate Polymers, 2022, 277, 118820.	10.2	10
4	Effects of Kraft lignin and corn cob agro-residue on the properties of injected-moulded biocomposites. Industrial Crops and Products, 2022, 177, 114421.	5.2	17
5	Food biotechnology: Innovations and challenges. , 2022, , 697-719.		4
6	Induction of Defense Gene Expression and the Resistance of Date Palm to Fusarium oxysporum f. sp. Albedinis in Response to Alginate Extracted from Bifurcaria bifurcata. Marine Drugs, 2022, 20, 88.	4.6	6
7	Fabrication and Characterization of Nanocomposite Hydrogel Based on Alginate/Nano-Hydroxyapatite Loaded with Linum usitatissimum Extract as a Bone Tissue Engineering Scaffold. Marine Drugs, 2022, 20, 20.	4.6	13
8	3D Printing of Microbial Polysaccharides. , 2022, , 1213-1245.		0
9	Microbial Glucuronans and Succinoglycans. , 2022, , 117-138.		1
10	Production of Fungal Nanochitosan Using High-Pressure Water Jet System for Biomedical Applications. Materials, 2022, 15, 1375.	2.9	1
11	Biomolecules from Microalgae and Cyanobacteria: Applications and Market Survey. Applied Sciences (Switzerland), 2022, 12, 1924.	2.5	56
12	Polysaccharides and Their Derivatives as Potential Antiviral Molecules. Viruses, 2022, 14, 426.	3.3	27
13	Bacterial Polyglucuronic Acid/Alginate/Carbon Nanofibers Hydrogel Nanocomposite as a Potential Scaffold for Bone Tissue Engineering. Materials, 2022, 15, 2494.	2.9	6
14	Secondary Metabolism Rearrangements in Linum usitatissimum L. after Biostimulation of Roots with COS Oligosaccharides from Fungal Cell Wall. Molecules, 2022, 27, 2372.	3.8	5
15	A Novel Sulfated Glycoprotein Elicitor Extracted from the Moroccan Green Seaweed Codium decorticatum Induces Natural Defenses in Tomato. Applied Sciences (Switzerland), 2022, 12, 3643.	2.5	9
16	Influence of the sulfate content of the exopolysaccharides from Porphyridium sordidum on their elicitor activities on date palm vitroplants. Plant Physiology and Biochemistry, 2022, 186, 99-106.	5.8	4
17	Bioconversion of the Brown Tunisian Seaweed Halopteris scoparia: Application to Energy. Energies, 2022, 15, 4342.	3.1	3
18	Green polymer filaments for 3D printing. , 2022, , 463-516.		0

#	Article	IF	Citations
19	Microbial Glucuronans and Succinoglycans. , 2021, , 1-23.		1
20	Chitosan-Based Adhesive: Optimization of Tensile Shear Strength in Dry and Wet Conditions. Polysaccharides, 2021, 2, 110-120.	4.8	11
21	Synthesis and Characterization of Exopolysaccharide Encapsulated PCL/Gelatin Skin Substitute for Full-Thickness Wound Regeneration. Polymers, 2021, 13, 854.	4.5	17
22	Utilization of Marine Waste to Obtain Î²-Chitin Nanofibers and Films from Giant Humboldt Squid Dosidicus gigas. Marine Drugs, 2021, 19, 184.	4.6	13
23	Optimization of Bioethanol Production from Enzymatic Treatment of Argan Pulp Feedstock. Molecules, 2021, 26, 2516.	3.8	11
24	Plants arabinogalactans: From structures to physico-chemical and biological properties. Biotechnology Advances, 2021, 53, 107771.	11.7	20
25	Beneficial Health Potential of Algerian Polysaccharides Extracted from Plantago ciliata Desf. (Septentrional Sahara) Leaves and Seeds. Applied Sciences (Switzerland), 2021, 11, 4299.	2.5	2
26	Polysaccharides and Derivatives from Africa to Address and Advance Sustainable Development and Economic Growth in the Next Decade. Applied Sciences (Switzerland), 2021, 11, 5243.	2.5	3
27	Effect of high voltage electrode discharge on the physicochemical characteristics of alginate extracted from an Iranian brown seaweed (Nizimuddinia zanardini). Algal Research, 2021, 56, 102326.	4.6	8
28	Extraction, Characterization, and Applications of Pectins from Plant By-Products. Applied Sciences (Switzerland), 2021, 11, 6596.	2.5	57
29	Human Olfactory Mucosa Stem Cells Delivery Using a Collagen Hydrogel: As a Potential Candidate for Bone Tissue Engineering. Materials, 2021, 14, 3909.	2.9	32
30	Plant Adaptogensâ€"History and Future Perspectives. Nutrients, 2021, 13, 2861.	4.1	40
31	Recent Advances in Cellulose-Based Structures as the Wound-Healing Biomaterials: A Clinically Oriented Review. Applied Sciences (Switzerland), 2021, 11, 7769.	2.5	17
32	Ethnobotanical utilization of Alhagi maurorum Medik. in traditional recipes of Algerian Sahara Illizi Wilaya. Euro-Mediterranean Journal for Environmental Integration, 2021, 6, 1.	1.3	1
33	Polysaccharide-Based Micro- and Nanosized Drug Delivery Systems for Potential Application in the Pediatric Dentistry. Polymers, 2021, 13, 3342.	4.5	11
34	Spatiotemporal variation of extracellular polymeric substances (EPS) associated with the microphytobenthos of tidal flats in the Yellow Sea. Marine Pollution Bulletin, 2021, 171, 112780.	5.0	5
35	3D Printing of Microbial Polysaccharides. , 2021, , 1-34.		0
36	An overview on the role of microalgal metabolites and pigments in apoptosis induction against copious diseases. Algal Research, 2021, 60, 102556.	4.6	4

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37	Optimization of Chitosan Properties with the Aim of a Water Resistant Adhesive Development. Polymers, 2021, 13, 4031.	4.5	19
38	Bioactive Pectin-Murta (Ugni molinae T.) Seed Extract Films Reinforced with Chitin Fibers. Molecules, 2021, 26, 7477.	3.8	5
39	Plant-Based Diet as a Strategy for Weight Control. Foods, 2021, 10, 3052.	4.3	22
40	Pharmacological Investigations in Traditional Utilization of Alhagi maurorum Medik. in Saharan Algeria: In Vitro Study of Anti-Inflammatory and Antihyperglycemic Activities of Water-Soluble Polysaccharides Extracted from the Seeds. Plants, 2021, 10, 2658.	3.5	6
41	Structural features and rheological behavior of a water-soluble polysaccharide extracted from the seeds of Plantago ciliata Desf.. International Journal of Biological Macromolecules, 2020, 155, 1333-1341.	7.5	20
42	Marine Bacteria versus Microalgae: Who Is the Best for Biotechnological Production of Bioactive Compounds with Antioxidant Properties and Other Biological Applications?. Marine Drugs, 2020, 18, 28.	4.6	54
43	Novel Antioxidant, Anti-Î±-Amylase, Anti-Inflammatory and Antinociceptive Water-Soluble Polysaccharides from the Aerial Part of Nitraria retusa. Foods, 2020, 9, 28.	4.3	12
44	Rheological investigations of water-soluble polysaccharides from the Tunisian brown seaweed Cystoseira compressa. Food Hydrocolloids, 2020, 103, 105631.	10.7	47
45	Prospect of Polysaccharide-Based Materials as Advanced Food Packaging. Molecules, 2020, 25, 135.	3.8	167
46	Immunomodulatory and Anti-Inflammatory Effects of Fucoidan: A Review. Polymers, 2020, 12, 2338.	4.5	133
47	Induction of Natural Defenses in Tomato Seedlings by Using Alginate and Oligoalginates Derivatives Extracted from Moroccan Brown Algae. Marine Drugs, 2020, 18, 521.	4.6	25
48	+Brettanomyces bruxellensis Displays Variable Susceptibility to Chitosan Treatment in Wine. Frontiers in Microbiology, 2020, 11, 571067.	3.5	11
49	Biochemical Characterization of a Bifunctional Enzyme Constructed by the Fusion of a Glucuronan Lyase and a Chitinase from Trichoderma sp.. Life, 2020, 10, 234.	2.4	7
50	Bioactive Polysaccharides from Seaweeds. Molecules, 2020, 25, 3152.	3.8	106
51	Biosourced Polysaccharide-Based Superabsorbents. Polysaccharides, 2020, 1, 51-79.	4.8	40
52	Bioactive polysaccharides from microalgae. , 2020, , 533-571.		12
53	Fucoidans of Moroccan Brown Seaweed as Elicitors of Natural Defenses in Date Palm Roots. Marine Drugs, 2020, 18, 596.	4.6	17
54	Exopolysaccharides from Cyanobacteria: Strategies for Bioprocess Development. Applied Sciences (Switzerland), 2020, 10, 3763.	2.5	52

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55	Purification and Valorization of Waste Cotton Seed Oil as an Alternative Feedstock for Biodiesel Production. Bioengineering, 2020, 7, 41.	3.5	11
56	Structural Features and Rheological Properties of a Sulfated Xylogalactan-Rich Fraction Isolated from Tunisian Red Seaweed Jania adhaerens. Applied Sciences (Switzerland), 2020, 10, 1655.	2.5	14
57	Radical Depolymerization of Alginate Extracted from Moroccan Brown Seaweed Bifurcaria bifurcata. Applied Sciences (Switzerland), 2020, 10, 4166.	2.5	17
58	Innovation in Tigernut (Cyperus Esculentus L.) Milk Production: In Situ Hydrolysis of Starch. Polymers, 2020, 12, 1404.	4.5	12
59	Production, characterization and biological activities of exopolysaccharides from a new cold-adapted yeast: Rhodotorula mucilaginosa sp. GUMS16. International Journal of Biological Macromolecules, 2020, 151, 268-277.	7.5	46
60	Use of Alginate Extracted from Moroccan Brown Algae to Stimulate Natural Defense in Date Palm Roots. Molecules, 2020, 25, 720.	3.8	39
61	Prebiotic Activity of Poly- and Oligosaccharides Obtained from Plantago major L. Leaves. Applied Sciences (Switzerland), 2020, 10, 2648.	2.5	15
62	Influence of Physicochemical Characteristics of Neem Seeds (Azadirachta indica A. Juss) on Biodiesel Production. Biomolecules, 2020, 10, 616.	4.0	13
63	Microalgal Biomass of Industrial Interest: Methods of Characterization. , 2020, , 537-639.		4
64	Characterization and Prospective Applications of the Exopolysaccharides Produced by Rhodosporidium babjevae. Advanced Pharmaceutical Bulletin, 2020, 10, 254-263.	1.4	13
65	Extraction and Characterization of Alginate from an Edible Brown Seaweed (Cystoseira barbata) Harvested in the Romanian Black Sea. Marine Drugs, 2019, 17, 405.	4.6	38
66	Use of Anionic Polysaccharides in the Development of 3D Bioprinting Technology. Applied Sciences (Switzerland), 2019, 9, 2596.	2.5	25
67	Screening of marine microalgae: Investigation of new exopolysaccharide producers. Algal Research, 2019, 44, 101711.	4.6	67
68	Biotechnological potential of exopolysaccharide as a bioemulsifier produced by Rhizobium radiobacter CAS isolated from curd. Bioactive Carbohydrates and Dietary Fibre, 2019, 20, 100202.	2.7	8
69	Alkyl-Chitosan-Based Adhesive: Water Resistance Improvement. Molecules, 2019, 24, 1987.	3.8	25
70	Comparison Study between Batch and Continuous Processes to Obtain Chitosan-Based High Porous Biomaterial for Biological Applications. International Journal of Polymer Science, 2019, 2019, 1-11.	2.7	1
71	Physical and functional characterization of succinoglycan exopolysaccharide produced by Rhizobium radiobacter CAS from curd sample. International Journal of Biological Macromolecules, 2019, 134, 1013-1021.	7.5	23
72	Valorization of olive mill wastewater for the development of biobased polymer films with antioxidant properties using eco-friendly processes. Green Chemistry, 2019, 21, 3065-3073.	9.0	23

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73	Modification of Chitosan for the Generation of Functional Derivatives. Applied Sciences (Switzerland), 2019, 9, 1321.	2.5	102
74	What Is in Store for EPS Microalgae in the Next Decade?. Molecules, 2019, 24, 4296.	3.8	64
75	New horizons in culture and valorization of red microalgae. Biotechnology Advances, 2019, 37, 193-222.	11.7	85
76	Wood-lignin: Supply, extraction processes and use as bio-based material. European Polymer Journal, 2019, 112, 228-240.	5.4	216
77	Characterization of a new exopolysaccharide produced by Halorubrum sp. TBZ112 and evaluation of its anti-proliferative effect on gastric cancer cells. 3 Biotech, 2019, 9, 1.	2.2	50
78	Emulsion properties of Asafoetida gum: Effect of oil concentration on stability and rheological properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 560, 114-121.	4.7	17
79	Fabrication Methods of Sustainable Hydrogels. , 2019, , 355-386.		5
80	Production, Extraction and Characterization of Alginates from Seaweeds. , 2019, , 33-42.		2
81	Applications of Algal Polysaccharides and Derivatives in Therapeutic and Agricultural Fields. Current Pharmaceutical Design, 2019, 25, 1187-1199.	1.9	15
82	Structural characterization and thermal behavior of a gum extracted from Ferula assa foetida L.. Carbohydrate Polymers, 2018, 181, 426-432.	10.2	25
83	Structural characterization and antioxidant activity of water-soluble polysaccharides from the Tunisian brown seaweed Cystoseira compressa. Carbohydrate Polymers, 2018, 198, 589-600.	10.2	105
84	Extraction and characterization of an alginate from the Iranian brown seaweed Nizimuddinia zanardini. International Journal of Biological Macromolecules, 2018, 118, 1073-1081.	7.5	60
85	Rheological and functional properties of asafoetida gum. International Journal of Biological Macromolecules, 2018, 118, 1168-1173.	7.5	15
86	Design of experiments for bio-based composites with lignosulfonates matrix and corn cob fibers. Industrial Crops and Products, 2018, 123, 539-545.	5.2	16
87	Bioactivity of Chitosan and Its Derivatives. Current Organic Chemistry, 2018, 22, 641-667.	1.6	22
88	Valorization of carob waste: Definition of a second-generation bioethanol production process. Bioresource Technology, 2017, 235, 25-34.	9.6	36
89	TEMPO-mediated oxidation of polysaccharides: An ongoing story. Carbohydrate Polymers, 2017, 165, 71-85.	10.2	122
90	Optimized endodextranase-epoxy CIM Â® disk reactor for the continuous production of molecular weight-controlled prebiotic isomalto-oligosaccharides. Process Biochemistry, 2017, 58, 105-113.	3.7	11

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91	Edifying the strategy for the finest extraction of succinoglycan from Rhizobium radiobacter strain CAS. Applied Biological Chemistry, 2017, 60, 339-348.	1.9	15
92	Structural characterization and rheological behavior of a heteroxylan extracted from Plantago notata Lagasca (Plantaginaceae) seeds. Carbohydrate Polymers, 2017, 175, 96-104.	10.2	43
93	Structural characterization and rheological properties of a galactomannan from Astragalus gombo Bunge seeds harvested in Algerian Sahara. Carbohydrate Polymers, 2017, 175, 387-394.	10.2	31
94	Fractionation and structural characterization of six purified rhamnogalacturonans type I from flaxseed mucilage. Food Hydrocolloids, 2017, 62, 273-279.	10.7	40
95	Antioxidant Activities of Peptoid-Grafted Chitosan Films. Applied Biochemistry and Biotechnology, 2017, 181, 283-293.	2.9	9
96	Kinetic Modeling of Pectin Extraction from Wasted Citrus Lemon L.. Waste and Biomass Valorization, 2017, 8, 2329-2337.	3.4	7
97	Characterization and rheological behaviour analysis of the succinoglycan produced by Rhizobium radiobacter strain CAS from curd sample. Food Hydrocolloids, 2017, 64, 1-8.	10.7	40
98	Production, extraction and characterization of microalgal and cyanobacterial exopolysaccharides. Biotechnology Advances, 2016, 34, 1159-1179.	11.7	310
99	Extraction, characterization and gelling behavior enhancement of pectins from the cladodes of Opuntia ficus indica. International Journal of Biological Macromolecules, 2016, 82, 645-652.	7.5	57
100	Upcycling Sunflower Stems as Natural Fibers for Biocomposite Applications. BioResources, 2015, 10, .	1.0	15
101	Structural Characterization and Biological Activities of Polysaccharides from Olive Mill Wastewater. Applied Biochemistry and Biotechnology, 2015, 177, 431-445.	2.9	24
102	Characterization of arabinogalactan-rich mucilage from Cereus triangularis cladodes. Carbohydrate Polymers, 2015, 127, 372-380.	10.2	71
103	Immobilization of proteases on chitosan for the development of films with anti-biofilm properties. International Journal of Biological Macromolecules, 2015, 72, 1063-1068.	7.5	44
104	Mediterranean semi-arid plant Astragalus armatus as a source of bioactive galactomannan. Bioactive Carbohydrates and Dietary Fibre, 2015, 5, 10-18.	2.7	25
105	Antioxidant activities of a polyglucuronic acid sodium salt obtained from TEMPO-mediated oxidation of xanthan. Carbohydrate Polymers, 2015, 116, 34-41.	10.2	58
106	Galactans and Its Applications. , 2015, , 753-794.		2
107	Anti-Biofilm Activity: A Function of Klebsiella pneumoniae Capsular Polysaccharide. PLoS ONE, 2014, 9, e99995.	2.5	38
108	Galactans and Its. , 2014, , 1-37.		8

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109	Effect of proteases against biofilms of Staphylococcus aureus and Staphylococcus epidermidis. Letters in Applied Microbiology, 2014, 59, 507-513.	2.2	36
110	Chitosan as an adhesive. European Polymer Journal, 2014, 60, 198-212.	5.4	193
111	Dextranase immobilization on epoxy CIMÂ® disk for the production of isomaltooligosaccharides from dextran. Carbohydrate Polymers, 2014, 111, 707-713.	10.2	31
112	An overview of the last advances in probiotic and prebiotic field. LWT - Food Science and Technology, 2013, 50, 1-16.	5.2	361
113	Synthesis of new glycosaminoglycans-like families by regioselective oxidation followed by sulphation of glucoglucuronan from Rhizobium sp. T1. Carbohydrate Polymers, 2012, 89, 1261-1267.	10.2	6
114	Rheological Behavior and Non-enzymatic Degradation of a Sulfated Galactan from Halymenia durvillei (Halymeniales, Rhodophyta). Applied Biochemistry and Biotechnology, 2012, 167, 1303-1313.	2.9	13
115	Biological effect of Î²-(1,3)-polyglucuronic acid sodium salt on lipid storage and adipocytes differentiation. Carbohydrate Polymers, 2012, 87, 775-783.	10.2	8
116	A transcriptomic approach to predict the impact of Î²-(1,3)-polyglucuronic acid sodium salt and derivatives in the main biological processes. Carbohydrate Polymers, 2012, 87, 1828-1836.	10.2	5
117	Galactans: an overview of their most important sourcing and applications as natural polysaccharides. Brazilian Archives of Biology and Technology, 2011, 54, 1075-1092.	0.5	140
118	Polyglucuronic acids: Structures, functions and degrading enzymes. Carbohydrate Polymers, 2011, 84, 1-13.	10.2	59
119	Evaluation of antioxidant capacity of ulvan-like polymer obtained by regioselective oxidation of gellan exopolysaccharide. Food Chemistry, 2011, 127, 976-983.	8.2	45
120	Development of new ulvan-like polymer by regioselective oxidation of gellan exopolysaccharide using TEMPO reagent. Carbohydrate Polymers, 2010, 80, 485-490.	10.2	23
121	Extraction and characterization of an alginate from the brown seaweed Sargassum turbinarioides Grunow. Journal of Applied Phycology, 2010, 22, 131-137.	2.8	187
122	Monolith enzymatic microreactor at the frontier of glycomic toward a new route for the production of bioactive oligosaccharides. Journal of Molecular Catalysis B: Enzymatic, 2009, 60, 97-105.	1.8	35
123	Improved isolation of glucuronan from algae and the production of glucuronic acid oligosaccharides using a glucuronan lyase. Carbohydrate Research, 2009, 344, 1670-1675.	2.3	38
124	Highly sulphated galactan from Halymenia durvillei (Halymeniales, Rhodophyta), a red seaweed of Madagascar marine coasts. International Journal of Biological Macromolecules, 2009, 45, 140-145.	7.5	44
125	Production and characterization of new families of polyglucuronic acids from TEMPOâ€“NaOCl oxidation of curdlan. International Journal of Biological Macromolecules, 2009, 45, 458-462.	7.5	40
126	Purification of oligouronides by immobilized l-histidine pseudoaffinity chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 861, 181-185.	2.3	12

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127	New monolithic enzymatic micro-reactor for the fast production and purification of oligogalacturonides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 861, 203-208.	2.3	29
128	Separation of oligoglucuronans of low degrees of polymerization by using a high shear rotating disk filtration module. Separation and Purification Technology, 2008, 60, 22-29.	7.9	26
129	Production of oligoglucuronans using a monolithic enzymatic microreactor. Carbohydrate Research, 2008, 343, 2687-2691.	2.3	30
130	Thermal decomposition of expanded polystyrene in a pebble bed reactor to get higher liquid fraction yield at low temperatures. Waste Management, 2008, 28, 2140-2145.	7.4	52
131	Oligogalacturonans production by free radical depolymerization of polygalacturonan. International Journal of Biological Macromolecules, 2008, 43, 257-261.	7.5	16
132	Î² -(1,4)-Polyglucuronic Acids â€“ An Overview. Open Biotechnology Journal, 2008, 2, 73-86.	1.2	15
133	Separation and Fractionation of Oligouronides by Shearâ€Enhanced Filtration. Separation Science and Technology, 2007, 42, 349-361.	2.5	12
134	Production of O-acetylated oligouronides by depolymerization of a natural highly acetylated anionic bacterial polysaccharide. Enzyme and Microbial Technology, 2007, 41, 250-257.	3.2	2
135	Pseudoaffinity Chromatography Using a Convective Interaction MediaÂ®-Disk Monolithic Column. Chromatographia, 2007, 65, 639-648.	1.3	21
136	Extraction of oligoglucuronans of low degrees of polymerisation from a fermentation broth by cascade filtration using a rotating disk module. Desalination, 2006, 199, 207-209.	8.2	5
137	Production of oligocellouronates by biodegradation of oxidized cellulose. Cellulose, 2006, 13, 63-71.	4.9	27
138	Purification and characterization of a novel glucuronan lyase from Trichoderma sp. GL2. Applied Microbiology and Biotechnology, 2006, 70, 437-443.	3.6	36
139	Chondroitin Sulfate Lyases: Applications in Analysis and Glycobiology. Advances in Pharmacology, 2006, 53, 167-186.	2.0	22
140	Purification of oligouronides using hollow-fiber membrane functionalised with l-histidine. Journal of Chromatography A, 2005, 1099, 121-126.	3.7	19
141	Production of Oligoglucuronans by Enzymatic Depolymerization of Nascent Glucuronan. Biotechnology Progress, 2005, 21, 1775-1781.	2.6	8
142	Production of glucuronan oligosaccharides using a new glucuronan lyase activity from a Trichoderma sp. strain. Journal of Biotechnology, 2005, 118, 448-457.	3.8	33
143	Valorization of co-products generated by argan oil extraction process: application to biodiesel production. Biofuels, 0, , 1-7.	2.4	7