

Florent Allais

List of Publications by Year in descending order

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146
papers

3,726
citations

136885

32
h-index

189801

50
g-index

154
all docs

154
docs citations

154
times ranked

3217
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant Sunscreens in the UV-B: Ultraviolet Spectroscopy of Jet-Cooled Sinapoyl Malate, Sinapic Acid, and Sinapate Ester Derivatives. <i>Journal of the American Chemical Society</i> , 2014, 136, 14780-14795.	6.6	141
2	Renewable Alternating Aliphatic-Aromatic Copolyesters Derived from Biobased Ferulic Acid, Diols, and Diacids: Sustainable Polymers with Tunable Thermal Properties. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 431-439.	1.1	110
3	Syringaresinol: A Renewable and Safer Alternative to Bisphenol-A for Epoxy-Amine Resins. <i>ChemSusChem</i> , 2017, 10, 738-746.	3.6	102
4	Ultrafast Photoprotecting Sunscreens in Natural Plants. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 56-61.	2.1	100
5	Lignocellulosic fibers: a critical review of the extrusion process for enhancement of the properties of natural fiber composites. <i>RSC Advances</i> , 2017, 7, 34638-34654.	1.7	86
6	Renewable polymers derived from ferulic acid and biobased diols via ADMET. <i>European Polymer Journal</i> , 2015, 62, 236-243.	2.6	82
7	Imbalanced Lignin Biosynthesis Promotes the Sexual Reproduction of Homothallic Oomycete Pathogens. <i>PLoS Pathogens</i> , 2009, 5, e1000264.	2.1	80
8	Chemo-enzymatic preparation of new bio-based bis- and trisphenols: new versatile building blocks for polymer chemistry. <i>RSC Advances</i> , 2013, 3, 8988.	1.7	79
9	Importance of Mediators for Lignin Degradation by Fungal Laccase. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10097-10107.	3.2	77
10	Ultrafast Barrierless Photoisomerization and Strong Ultraviolet Absorption of Photoproducts in Plant Sunscreens. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1025-1030.	2.1	76
11	Structure property relationships of biobased n-alkyl bisferulate epoxy resins. <i>Green Chemistry</i> , 2016, 18, 4961-4973.	4.6	73
12	Isocyanate-Free Synthesis and Characterization of Renewable Poly(hydroxy)urethanes from Syringaresinol. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8648-8656.	3.2	73
13	Strategic Approach Towards Plastic Waste Valorization: Challenges and Promising Chemical Upcycling Possibilities. <i>ChemSusChem</i> , 2021, 14, 4007-4027.	3.6	73
14	Ferulic acid-based renewable esters and amides-containing epoxy thermosets from wheat bran and beetroot pulp: Chemo-enzymatic synthesis and thermo-mechanical properties characterization. <i>Industrial Crops and Products</i> , 2017, 95, 83-95.	2.5	67
15	Are lignin-derived monomers and polymers truly sustainable? An in-depth green metrics calculations approach. <i>Green Chemistry</i> , 2021, 23, 1495-1535.	4.6	66
16	Renewable alternating aliphatic-aromatic poly(ester-urethane)s prepared from ferulic acid and bio-based diols. <i>European Polymer Journal</i> , 2015, 63, 186-193.	2.6	64
17	Glucosinolates: Natural Occurrence, Biosynthesis, Accessibility, Isolation, Structures, and Biological Activities. <i>Molecules</i> , 2020, 25, 4537.	1.7	62
18	Chemo-enzymatic synthesis of key intermediates (S)- β -hydroxymethyl- β -butenolide and (S)- β -hydroxymethyl- β -butyrolactone via lipase-mediated Baeyer-Villiger oxidation of levoglucosenone. <i>Green Chemistry</i> , 2015, 17, 404-412.	4.6	59

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19	Chemo-Enzymatic Synthesis and Characterization of Renewable Thermoplastic and Thermoset Isocyanate-Free Poly(hydroxy)urethanes from Ferulic Acid Derivatives. ACS Sustainable Chemistry and Engineering, 2017, 5, 1446-1456.	3.2	55
20	Optimization of the Laccase-Catalyzed Synthesis of (±)-Syringaresinol and Study of its Thermal and Antiradical Activities. ChemistrySelect, 2016, 1, 5165-5171.	0.7	54
21	Towards symmetry driven and nature inspired UV filter design. Nature Communications, 2019, 10, 4748.	5.8	54
22	Synthesis and polymerization of bio-based acrylates: a review. Polymer Chemistry, 2020, 11, 7452-7470.	1.9	52
23	Structure-Activity Relationships and Structural Design Optimization of a Series of p-Hydroxycinnamic Acids-Based Bis- and Trisphenols as Novel Sustainable Antiradical/Antioxidant Additives. ACS Sustainable Chemistry and Engineering, 2015, 3, 3486-3496.	3.2	47
24	Organic solvent- and catalyst-free Baeyer-Villiger oxidation of levoglucosenone and dihydrolevoglucosenone (Cyrene®): a sustainable route to (S)- β -hydroxymethyl- β -butenolide and (S)- β -hydroxymethyl- β -butyrolactone. Green Chemistry, 2018, 20, 2455-2458.	4.6	44
25	Ferulic Acid-Based Bis/Trisphenols as Renewable Antioxidants for Polypropylene and Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlook	3.2	43
26	Improvement of protein content and decrease of anti-nutritional factors in olive cake by solid-state fermentation: A way to valorize this industrial by-product in animal feed. Journal of Bioscience and Bioengineering, 2019, 128, 384-390.	1.1	43
27	High-Performance Bio-Based Benzoxazines from Enzymatic Synthesis of Diphenols. Macromolecular Chemistry and Physics, 2019, 220, 1800312.	1.1	43
28	Accessing p-Hydroxycinnamic Acids: Chemical Synthesis, Biomass Recovery, or Engineered Microbial Production?. ChemSusChem, 2021, 14, 118-129.	3.6	40
29	Straightforward Total Synthesis of 2-O-Feruloyl-l-malate, 2-O-Sinapoyl-l-malate and 2-O-5-Hydroxyferuloyl-l-malate. Synthesis, 2009, 2009, 3571-3578.	1.2	37
30	Diversity of Lactobacillus reuteri Strains in Converting Glycerol into 3-Hydroxypropionic Acid. Applied Biochemistry and Biotechnology, 2015, 177, 923-939.	1.4	36
31	Proline-Mediated Knoevenagel-Doebner Condensation in Ethanol: A Sustainable Access to p-Hydroxycinnamic Acids. ACS Sustainable Chemistry and Engineering, 2019, 7, 9422-9427.	3.2	35
32	Towards a comprehensive sustainability methodology to assess anthropogenic impacts on ecosystems: Review of the integration of Life Cycle Assessment, Environmental Risk Assessment and Ecosystem Services Assessment. Science of the Total Environment, 2022, 808, 152125.	3.9	35
33	Highly Diastereoselective 5-Hexenyl Radical Cyclizations with Lewis Acids and Carbohydrate Scaffolds. Organic Letters, 2001, 3, 145-147.	2.4	34
34	Chemo-enzymatic preparation and characterization of renewable oligomers with bisguaiacol moieties: promising sustainable antiradical/antioxidant additives. Green Chemistry, 2016, 18, 3334-3345.	4.6	33
35	Investigating isomer specific photoprotection in a model plant sunscreen. Chemical Communications, 2018, 54, 936-939.	2.2	33
36	Enzymatic reduction of levoglucosenone by an alkene reductase (OYE 2.6): a sustainable metal- and dihydrogen-free access to the bio-based solvent Cyrene®. Green Chemistry, 2018, 20, 5528-5532.	4.6	33

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37	Biomimetic regioselective and high-yielding Cu(I)-catalyzed dimerization of sinapate esters in green solvent Cyrene [®] , <i> towards sustainable antioxidant and anti-UV ingredients. Green Chemistry</i> , 2020, 22, 2077-2085.	4.6	32
38	Elucidating nuclear motions in a plant sunscreen during photoisomerization through solvent viscosity effects. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21127-21131.	1.3	30
39	A novel and integrative process: From enzymatic fractionation of wheat bran with a hemicellulasic cocktail to the recovery of ferulic acid by weak anion exchange resin. <i>Industrial Crops and Products</i> , 2017, 105, 148-155.	2.5	29
40	Chemoenzymatic Total Synthesis of a Naturally Occurring (5 <i>S</i>)-8 <i>O</i> -Dehydrotrimer of Ferulic Acid. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 173-179.	1.2	28
41	Enzymatic Synthesis of Resveratrol β -Glycosides from β -Cyclodextrin-Resveratrol Complex in Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5370-5380.	3.2	28
42	Sinapic Acid Esters: Octinoxate Substitutes Combining Suitable UV Protection and Antioxidant Activity. <i>Antioxidants</i> , 2020, 9, 782.	2.2	28
43	Phenolic Ester-Decorated Cellulose Nanocrystals as UV-Absorbing Nanoreinforcements in Polyvinyl Alcohol Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6427-6437.	3.2	27
44	Origin and industrial applications of lignosulfonates with a focus on their use as superplasticizers in concrete. <i>Construction and Building Materials</i> , 2021, 301, 124065.	3.2	27
45	ADMET polymerization of biobased monomers deriving from syringaresinol. <i>RSC Advances</i> , 2016, 6, 44297-44304.	1.7	26
46	Gas-Phase Transient Absorption Study of the Plant Sunscreen Derivative Methyl Sinapate. <i>ChemPhotoChem</i> , 2018, 2, 743-748.	1.5	26
47	Preparation of Renewable Epoxy-Amine Resins With Tunable Thermo-Mechanical Properties, Wettability and Degradation Abilities From Lignocellulose- and Plant Oils-Derived Components. <i>Frontiers in Chemistry</i> , 2019, 7, 159.	1.8	26
48	Enantio- and Diastereoselective Allylmetalations: An Easy and Efficient Access to the AB Spiroketal of Spongistatin. <i>Organic Letters</i> , 2006, 8, 3655-3657.	2.4	25
49	New insights in reactive extraction mechanisms of organic acids: An experimental approach for 3-hydroxypropionic acid extraction with tri- <i>n</i> -octylamine. <i>Separation and Purification Technology</i> , 2017, 179, 523-532.	3.9	25
50	Synthetic Rhamnolipid Bolaforms trigger an innate immune response in <i>Arabidopsis thaliana</i> . <i>Scientific Reports</i> , 2018, 8, 8534.	1.6	25
51	Chemo-enzymatic synthesis of a levoglucosenone-derived bi-functional monomer and its ring-opening metathesis polymerization in the green solvent Cyrene [®] . <i>Polymer Chemistry</i> , 2020, 11, 7471-7475.	1.9	25
52	Sinapic Acid and Sinapate Esters in Brassica: Innate Accumulation, Biosynthesis, Accessibility via Chemical Synthesis or Recovery From Biomass, and Biological Activities. <i>Frontiers in Chemistry</i> , 2021, 9, 664602.	1.8	25
53	Reactive extraction of bio-based 3-hydroxypropionic acid assisted by hollow-fiber membrane contactor using TOA and Aliquat 336 in <i>n</i> -decanol. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2705-2712.	1.6	24
54	Microwave-Assisted Knoevenagel-Doebner Reaction: An Efficient Method for Naturally Occurring Phenolic Acids Synthesis. <i>Frontiers in Chemistry</i> , 2018, 6, 426.	1.8	24

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55	Grafting Nature-Inspired and Bio-Based Phenolic Esters onto Cellulose Nanocrystals Gives Biomaterials with Photostable Anti-UV Properties. <i>ChemSusChem</i> , 2020, 13, 6552-6561.	3.6	24
56	Relationships between the use of Embden Meyerhof pathway (EMP) or Phosphoketolase pathway (PKP) and lactate production capabilities of diverse <i>Lactobacillus reuteri</i> strains. <i>Journal of Microbiology</i> , 2015, 53, 702-710.	1.3	23
57	Chemo-Enzymatic Synthesis and Free Radical Polymerization of Renewable Acrylate Monomers from Cellulose-Based Lactones. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17284-17293.	3.2	23
58	New Generation UV-A Filters: Understanding Their Photodynamics on a Human Skin Mimic. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 337-344.	2.1	23
59	Part 2. Mechanistic aspects of the reduction of <i>S</i> -alkyl-thionocarbonates in the presence of triethylborane and air. <i>Beilstein Journal of Organic Chemistry</i> , 2007, 3, 46.	1.3	22
60	Sustainable Synthesis of <i>p</i> -Hydroxycinnamic Diacids through Proline-Mediated Knoevenagel Condensation in Ethanol: An Access to Potent Phenolic UV Filters and Radical Scavengers. <i>Antioxidants</i> , 2020, 9, 331.	2.2	22
61	Exploring the microstructure of natural fibre composites by confocal Raman imaging and image analysis. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 94, 32-40.	3.8	21
62	Recovering ferulic acid from wheat bran enzymatic hydrolysate by a novel and non-thermal process associating weak anion-exchange and electro dialysis. <i>Separation and Purification Technology</i> , 2018, 200, 75-83.	3.9	21
63	Optimization of an ethanol/water-based sinapine extraction from mustard bran using Response Surface Methodology. <i>Food and Bioproducts Processing</i> , 2020, 122, 322-331.	1.8	21
64	Sustainable Synthesis and Polycondensation of Levoglucosenone-Cyrene-Based Bicyclic Diol Monomer: Access to Renewable Polyesters. <i>ChemSusChem</i> , 2020, 13, 2613-2620.	3.6	21
65	Asymmetric Total Synthesis of Rugulactone, an $\hat{\pm}$ -Pyrone from <i>Cryptocarya rugulosa</i> . <i>Synthesis</i> , 2010, 2010, 2787-2793.	1.2	20
66	Detoxification of highly acidic hemicellulosic hydrolysate from wheat straw by dianaofiltration with a focus on phenolic compounds. <i>Journal of Membrane Science</i> , 2018, 566, 112-121.	4.1	20
67	Identification of microalgae biorefinery scenarios and development of mass and energy balance flowsheets. <i>Algal Research</i> , 2020, 45, 101737.	2.4	20
68	Sustainable Straightforward Synthesis and Evaluation of the Antioxidant and Antimicrobial Activity of Sinapine and Analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6998-7004.	2.4	20
69	Chemo-Enzymatic Synthesis of Chiral Epoxides Ethyl and Methyl (S)-3-(Oxiran-2-yl)propanoates from Renewable Levoglucosenone: An Access to Enantiopure (S)-Dairy Lactone. <i>Molecules</i> , 2016, 21, 988.	1.7	19
70	A straightforward access to functionalizable polymers through ring-opening metathesis polymerization of levoglucosenone-derived monomers. <i>European Polymer Journal</i> , 2020, 138, 109980.	2.6	19
71	Bio-based photo-reversible self-healing polymer designed from lignin. <i>Green Chemistry</i> , 2021, 23, 10050-10061.	4.6	19
72	Desymmetrisation of Cyclopentadienylsilane by Asymmetric Cyclopropanation. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1069-1073.	1.2	18

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73	Lipase-Catalyzed Baeyer-Villiger Oxidation of Cellulose-Derived Levoglucosenone into (S)-1 ³ -Hydroxymethyl-1 [±] ,1 ² -Butenolide: Optimization by Response Surface Methodology. <i>Frontiers in Chemistry</i> , 2016, 4, 16.	1.8	18
74	Biocatalytic Synthesis and Polymerization via ROMP of New Biobased Phenolic Monomers: A Greener Process toward Sustainable Antioxidant Polymers. <i>Frontiers in Chemistry</i> , 2017, 5, 126.	1.8	18
75	Innovative Bio-Based Organic UV-A and Blue Light Filters from Meldrum's Acid. <i>Molecules</i> , 2020, 25, 2178.	1.7	18
76	Optimization and Comparison of Three Cell Disruption Processes on Lipid Extraction from Microalgae. <i>Processes</i> , 2021, 9, 369.	1.3	18
77	Towards developing novel and sustainable molecular light-to-heat converters. <i>Chemical Science</i> , 2021, 12, 15239-15252.	3.7	18
78	Stereoselective Total Synthesis of (+)-Dodoneine. <i>Synthesis</i> , 2010, 2010, 1649-1653.	1.2	16
79	Expedient and sustainable two-step synthesis of sinapoyl-malate and analogues: towards non-endocrine disruptive bio-based and water-soluble bioactive compounds. <i>Green Chemistry</i> , 2020, 22, 6510-6518.	4.6	16
80	Simultaneous recovery of ferulic acid and sugars from wheat bran enzymatic hydrolysate by diafiltration. <i>Separation and Purification Technology</i> , 2020, 242, 116755.	3.9	16
81	Green assessment of polymer microparticles production processes: a critical review. <i>Green Chemistry</i> , 2022, 24, 4237-4269.	4.6	16
82	Reactive extraction of 3-hydroxypropionic acid from model aqueous solutions and real bioconversion media. Comparison with its isomer 2-hydroxypropionic (lactic) acid. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2276-2285.	1.6	15
83	Towards an extractive bioconversion of 3-hydroxypropionic acid: study of inhibition phenomena. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2425-2432.	1.6	15
84	Eco-Friendly Extraction of Sinapine From Residues of Mustard Production. <i>Frontiers in Sustainable Food Systems</i> , 2019, 3, .	1.8	15
85	Ferulic acid derivatives used as biobased powders for a convenient plasticization of polylactic acid in continuous hot-melt process. <i>European Polymer Journal</i> , 2019, 110, 293-300.	2.6	15
86	Blending Ferulic Acid Derivatives and Polylactic Acid into Biobased and Transparent Elastomeric Materials with Shape Memory Properties. <i>Biomacromolecules</i> , 2021, 22, 1568-1578.	2.6	15
87	Selective Extraction of Sinapic Acid Derivatives from Mustard Seed Meal by Acting on pH: Toward a High Antioxidant Activity Rich Extract. <i>Molecules</i> , 2021, 26, 212.	1.7	14
88	Comparative electrochemical study on monolignols and dimers relevant for the comprehension of the lignification process. <i>Phytochemistry Letters</i> , 2015, 13, 280-285.	0.6	13
89	Chemo-Enzymatic Synthesis of Renewable Sterically-Hindered Phenolic Antioxidants with Tunable Polarity from Lignocellulose and Vegetal Oil Components. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3358.	1.8	13
90	(S)-1 ³ -Hydroxymethyl-1 [±] ,1 ² -butenolide, a Valuable Chiral Synthone: Syntheses, Reactivity, and Applications. <i>Organic Process Research and Development</i> , 2020, 24, 615-636.	1.3	13

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91	Intensification of p-coumaric acid heterologous production using extractive biphasic fermentation. <i>Bioresource Technology</i> , 2021, 337, 125436.	4.8	13
92	An Access to Chiral Î ² -Benzyl-Î ³ -butyrolactones and Its Application to the Synthesis of Enantiopure (+)-Secoisolariciresinol, (-)-Secoisolariciresinol, and (-)-Enterolactone. <i>Synthesis</i> , 2011, 2011, 1456-1464.	1.2	12
93	Wheat and Sugar Beet Coproducts for the Bioproduction of 3-Hydroxypropionic Acid by <i>Lactobacillus reuteri</i> DSM17938. <i>Fermentation</i> , 2017, 3, 32.	1.4	12
94	Development of potential yield loss indicators to assess the effect of seaweed farming on fish landings. <i>Algal Research</i> , 2018, 35, 194-205.	2.4	12
95	Solvent selection strategy for an ISPR (In Situ/In stream product recovery) process: The case of microbial production of p-coumaric acid coupled with a liquid-liquid extraction. <i>Separation and Purification Technology</i> , 2021, 259, 118170.	3.9	12
96	A Comparison of a Radical Polymerization vs ROMP Matrix for Molecular Imprinting. <i>Macromolecules</i> , 2006, 39, 7859-7862.	2.2	11
97	3-Hydroxypropionaldehyde (3-HPA) quantification by HPLC using a synthetic acrolein-free 3-hydroxypropionaldehyde system as analytical standard. <i>RSC Advances</i> , 2015, 5, 92619-92627.	1.7	11
98	Mechanistic modeling and equilibrium prediction of the reactive extraction of organic acids with amines: A comparative study of two complexation-solvation models using 3-hydroxypropionic acid. <i>Separation and Purification Technology</i> , 2017, 189, 475-487.	3.9	11
99	Recovery of 3-hydroxypropionic acid from organic phases after reactive extraction with amines in an alcohol-type solvent. <i>Separation and Purification Technology</i> , 2019, 219, 260-267.	3.9	11
100	High-yielding Diastereoselective <i>syn</i> -Dihydroxylation of Protected HBO: An Access to D(+)-Ribono-1,4-lactone and 5-O-Protected Analogues. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1600-1604.	1.2	11
101	Synthesis of Biobased Phloretin Analogues: An Access to Antioxidant and Anti-Tyrosinase Compounds for Cosmetic Applications. <i>Antioxidants</i> , 2021, 10, 512.	2.2	11
102	Fully renewable photocrosslinkable polycarbonates from cellulose-derived monomers. <i>Green Chemistry</i> , 2022, 24, 2871-2881.	4.6	11
103	Conservation of ultrafast photoprotective mechanisms with increasing molecular complexity in sinapoyl malate derivatives. <i>ChemPhysChem</i> , 2020, 21, 2006-2011.	1.0	10
104	Cellulose-Derived Levoglucosenone, a Great Versatile Chemical Platform for the Production of Renewable Monomers and Polymers. <i>ACS Symposium Series</i> , 2020, , 77-97.	0.5	10
105	Valorization of waste biomass from oleaginous oil-bearing seeds through the biocatalytic production of sinapic acid from mustard bran. <i>Biomass and Bioenergy</i> , 2021, 145, 105940.	2.9	10
106	Aldehyde-alkene cyclizations via O-stannyl ketyl radicals using sugars as chiral auxiliaries. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2871-2874.	1.8	9
107	Chemo-enzymatic Synthesis, Derivatizations, and Polymerizations of Renewable Phenolic Monomers Derived from Ferulic Acid and Biobased Polyols: An Access to Sustainable Copolyesters, Poly(ester-urethane)s, and Poly(ester-alkenamer)s. <i>ACS Symposium Series</i> , 2015, , 41-68.	0.5	9
108	Exploring the Photochemistry of an Ethyl Sinapate Dimer: An Attempt Toward a Better Ultraviolet Filter. <i>Frontiers in Chemistry</i> , 2020, 8, 633.	1.8	9

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109	Diethyl sinapate-grafted cellulose nanocrystals as nature-inspired UV filters in cosmetic formulations. <i>Materials Today Bio</i> , 2021, 12, 100126.	2.6	9
110	Simultaneous extraction and enzymatic hydrolysis of mustard bran for the recovery of sinapic acid. <i>Food and Bioproducts Processing</i> , 2021, 130, 68-78.	1.8	9
111	Unprecedented Biodegradable Cellulose-Derived Polyesters with Pendant Citronellol Moieties: From Monomer Synthesis to Enzymatic Degradation. <i>Molecules</i> , 2021, 26, 7672.	1.7	9
112	From bench scale to kilolab production of renewable ferulic acid-based bisphenols: optimisation and evaluation of different purification approaches towards technical feasibility and process environmental sustainability. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 406-419.	1.9	8
113	Towards an <i>in situ</i> product recovery of bio-based 3-hydroxypropionic acid: influence of bioconversion broth components on membrane-assisted reactive extraction. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 964-972.	1.6	8
114	Sustainable Hyperbranched Functional Materials via Green Polymerization of Readily Accessible Levoglucosenone-Derived Monomers. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100284.	2.0	8
115	Green synthesis of 2-deoxy-D-ribonolactone from cellulose-derived levoglucosenone (LGO): A promising monomer for novel bio-based polyesters. <i>European Polymer Journal</i> , 2021, 159, 110745.	2.6	8
116	In-stream product recovery of p-coumaric acid heterologously produced: Implementation of a continuous liquid-liquid extraction assisted by hollow fiber membrane contactor. <i>Separation and Purification Technology</i> , 2022, 293, 121083.	3.9	8
117	Synthesis and Enzymatic Degradation of Sustainable Levoglucosenone-Derived Copolyesters with Renewable Citronellol Side Chains. <i>Polymers</i> , 2022, 14, 2082.	2.0	8
118	Effective Lignin Utilization Strategy: Major Depolymerization Technologies, Purification Process and Production of Valuable Material. <i>Chemistry Letters</i> , 2021, 50, 1123-1130.	0.7	7
119	First Total Synthesis of (1 ² -5)-(1 ² -O-4) Dihydroxytrimer and Dihydrotrimer of Coniferyl Alcohol (G): Advanced Lignin Model Compounds. <i>Frontiers in Chemistry</i> , 2019, 7, 842.	1.8	6
120	Editorial: From Biomass to Advanced Bio-Based Chemicals & Materials: A Multidisciplinary Perspective. <i>Frontiers in Chemistry</i> , 2020, 8, 131.	1.8	6
121	Nanocrystallisation and self-assembly of biosourced ferulic acid derivative in polylactic acid elastomeric blends. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1842-1851.	5.0	6
122	Sustainable synthesis, <i>in silico</i> evaluation of potential toxicity and environmental fate, antioxidant and UV-filtering/photostability activity of phenolic-based thiobarbituric derivatives. <i>Green Chemistry Letters and Reviews</i> , 2022, 15, 116-127.	2.1	6
123	Monitoring of free phenol content in lignosulfonates by ClO ₂ titration and UV difference spectroscopy. <i>Holzforschung</i> , 2016, 70, 719-724.	0.9	5
124	Ferulic Acid- and Sinapic Acid-Based Bisphenols: Promising Renewable and Safer Alternatives to Bisphenol A for the Production of Bio-Based Polymers and Resins. <i>ACS Symposium Series</i> , 2018, , 221-251.	0.5	5
125	Implementation of an Enzyme Membrane Reactor to Intensify the 1-O-Glycosylation of Resveratrol Using Cyclodextrins. <i>Pharmaceuticals</i> , 2021, 14, 319.	1.7	5
126	Development of a life cycle impact assessment framework accounting for biodiversity in deep seafloor ecosystems: A case study on the Clarion Clipperton Fracture Zone. <i>Science of the Total Environment</i> , 2021, 770, 144747.	3.9	5

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127	Photocatalytic Radical Addition to Levoglucosenone. <i>European Journal of Organic Chemistry</i> , 2022, ,	1.2	5
128	A Short and Efficient Synthesis of (-)-Diospongin A. <i>Synlett</i> , 2006, 2006, 3455-3456.	1.0	4
129	Inhibition of Phenolics Uptake by Lignolytic Fungal Cells and Its Potential as a Tool for the Production of Lignin-Derived Aromatic Building Blocks. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 362.	1.5	4
130	The continuous evolution of the Bazancourt "Pomacle site rooted in the commitment and vision of pioneering farmers. When reality shapes the biorefinery concept. <i>EFB Bioeconomy Journal</i> , 2021, 1, 100007.	1.1	4
131	Improved Processability and Antioxidant Behavior of Poly(3-hydroxybutyrate) in Presence of Ferulic Acid-Based Additives. <i>Bioengineering</i> , 2022, 9, 100.	1.6	4
132	Extraction and Purification Processes of Sinapic Acid Derivatives from Rapeseed and Mustard Seed By-Products. <i>Separation and Purification Reviews</i> , 2022, 51, 521-544.	2.8	4
133	From Biomass-Derived p-Hydroxycinnamic Acids to Novel Sustainable and Non-Toxic Phenolics-Based UV-Filters: A Multidisciplinary Journey. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	4
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