

Louis M M Mouterde

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

397
citations

840776

11
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26
all docs

26
docs citations

26
times ranked

322
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully renewable photocrosslinkable polycarbonates from cellulose-derived monomers. <i>Green Chemistry</i> , 2022, 24, 2871-2881.	9.0	11
2	Synthesis and Enzymatic Degradation of Sustainable Levoglucosenone-Derived Copolyesters with Renewable Citronellol Side Chains. <i>Polymers</i> , 2022, 14, 2082.	4.5	8
3	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.	3.8	14
4	Phenolic Ester-Decorated Cellulose Nanocrystals as UV-Absorbing Nanoreinforcements in Polyvinyl Alcohol Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6427-6437.	6.7	27
5	Sustainable Hyperbranched Functional Materials via Green Polymerization of Readily Accessible Levoglucosenone-Derived Monomers. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2100284.	3.9	8
6	Diethyl sinapate-grafted cellulose nanocrystals as nature-inspired UV filters in cosmetic formulations. <i>Materials Today Bio</i> , 2021, 12, 100126.	5.5	9
7	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.	5.4	8
8	Simultaneous extraction and enzymatic hydrolysis of mustard bran for the recovery of sinapic acid. <i>Food and Bioproducts Processing</i> , 2021, 130, 68-78.	3.6	9
9	Identification and expression of a CHMO from the <i>Pseudomonas aeruginosa</i> strain Pa1242: application to the bioconversion of Cyrene ₂ into a key precursor (S)- ¹³ C-hydroxymethyl-butylolactone. <i>Green Chemistry</i> , 2021, 23, 2694-2702.	9.0	2
10	Unprecedented Biodegradable Cellulose-Derived Polyesters with Pendant Citronellol Moieties: From Monomer Synthesis to Enzymatic Degradation. <i>Molecules</i> , 2021, 26, 7672.	3.8	9
11	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.	6.8	24
12	Grafting Nature-Inspired and Bio-Based Phenolic Esters onto Cellulose Nanocrystals Gives Biomaterials with Photostable Anti-UV Properties. <i>ChemSusChem</i> , 2020, 13, 6460-6460.	6.8	1
13	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
14	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.	5.2	20
15	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.	3.6	21
16	Sustainable Synthesis and Polycondensation of Levoglucosenone-Cyrene-Based Bicyclic Diol Monomer: Access to Renewable Polyesters. <i>ChemSusChem</i> , 2020, 13, 2613-2620.	6.8	21
17	Towards symmetry driven and nature inspired UV filter design. <i>Nature Communications</i> , 2019, 10, 4748.	12.8	54
18	Application of Acetyl-CoA synthetase from <i>Methanothermobacter thermautotrophicus</i> to non-native substrates. <i>Enzyme and Microbial Technology</i> , 2019, 128, 67-71.	3.2	5

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19	Proline-Mediated Knoevenagel-Doebner Condensation in Ethanol: A Sustainable Access to <i>p</i> -Hydroxycinnamic Acids. ACS Sustainable Chemistry and Engineering, 2019, 7, 9422-9427.	6.7	35
20	Isolation and Synthesis of One of the Most Central Cofactors in Metabolism: Coenzyme A. Organic Process Research and Development, 2019, 23, 19-30.	2.7	7
21	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.	9.0	33
22	Microwave-Assisted Knoevenagel-Doebner Reaction: An Efficient Method for Naturally Occurring Phenolic Acids Synthesis. Frontiers in Chemistry, 2018, 6, 426.	3.6	24
23	An Efficient Chemoenzymatic Synthesis of Coenzyme A and Its Disulfide. Organic Process Research and Development, 2016, 20, 954-959.	2.7	9
24	Chemoenzymatic Total Synthesis of a Naturally Occurring (5 <i>S</i>)-(8 <i>O</i>)-Dehydrotrimer of Ferulic Acid. European Journal of Organic Chemistry, 2013, 2013, 173-179.	2.4	28