

Rui G Lopes

List of Publications by Year in descending order

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61
papers

1,075
citations

430442

18
h-index

476904

29
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62
all docs

62
docs citations

62
times ranked

1345
citing authors

#	ARTICLE	IF	CITATIONS
1	Up-cycling tomato pomace by thermochemical liquefaction – A response surface methodology assessment. <i>Biomass and Bioenergy</i> , 2022, 156, 106324.	2.9	7
2	Acid-Catalyzed Liquefaction of Biomasses from Poplar Clones for Short Rotation Coppice Cultivations. <i>Molecules</i> , 2022, 27, 304.	1.7	6
3	Bio-Oil: The Next-Generation Source of Chemicals. <i>Reactions</i> , 2022, 3, 118-137.	0.9	16
4	Edible films to improve quality and shelf life of fresh tortillas. <i>International Journal of Gastronomy and Food Science</i> , 2022, 27, 100480.	1.3	5
5	Biobased Polyurethane Coatings for Corrosion Protection of Carbon Steel. , 2022, 8, .		0
6	Development and In Vitro Validation of Antibacterial Paints Containing Chloroxyleneol and Terpineol. <i>Toxics</i> , 2022, 10, 343.	1.6	3
7	Glycerol: The liquid support for nanocatalysts. , 2021, , 585-612.		0
8	The importance of green chemistry metrics. , 2021, , 37-62.		2
9	Boosting the Higher Heating Value of Eucalyptus globulus via Thermochemical Liquefaction. <i>Sustainability</i> , 2021, 13, 3717.	1.6	11
10	Injectable hydrogels with two different rates of drug release based on pluronic/water system filled with poly(μ -caprolactone) microcapsules. <i>Journal of Materials Science</i> , 2021, 56, 13416-13428.	1.7	9
11	Simplified multiple linear regression models for the estimation of heating values of refuse derived fuels. <i>Fuel</i> , 2021, 294, 120541.	3.4	5
12	Thermochemical liquefaction of pinewood shaves – Evaluating the performance of cleaner and sustainable alternative solvents. <i>Journal of Cleaner Production</i> , 2021, 304, 127088.	4.6	10
13	The Role of Ionic Liquids on Biomass Liquefaction – A Short Review of the Recent Advances. <i>Processes</i> , 2021, 9, 1214.	1.3	7
14	Auto-Disinfectant Acrylic Paints Functionalised with Triclosan and Isoborneol – Antibacterial Assessment. <i>Polymers</i> , 2021, 13, 2197.	2.0	6
15	Estimation of higher heating value (HHV) of bio-oils from thermochemical liquefaction by linear correlation. <i>Fuel</i> , 2021, 302, 121149.	3.4	16
16	Self-Disinfecting Paints with the Natural Antimicrobial Substances: Colophony and Curcumin. <i>Antibiotics</i> , 2021, 10, 1351.	1.5	6
17	Thermochemical Liquefaction as a Cleaner and Efficient Route for Valuing Pinewood Residues from Forest Fires. <i>Molecules</i> , 2021, 26, 7156.	1.7	9
18	Non-Formaldehyde, Bio-Based Adhesives for Use in Wood-Based Panel Manufacturing Industry – A Review. <i>Polymers</i> , 2021, 13, 4086.	2.0	26

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19	The role played by different active hydrogen sources in the microencapsulation of a commercial oligomeric diisocyanate. <i>Journal of Materials Science</i> , 2020, 55, 4607-4623.	1.7	13
20	Hybrid shell microcapsules containing isophorone diisocyanate with high thermal and chemical stability for autonomous self-healing of epoxy coatings. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48751.	1.3	16
21	Microencapsulation of Isocyanate in Biodegradable Poly(μ -caprolactone) Capsules and Application in Monocomponent Green Adhesives. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4425-4438.	2.0	14
22	Glycerol Role in Nano Oxides Synthesis and Catalysis. <i>Catalysts</i> , 2020, 10, 1406.	1.6	9
23	Liquefaction of almond husk for assessment as feedstock to obtain valuable bio-oils. <i>Pure and Applied Chemistry</i> , 2019, 91, 1177-1190.	0.9	4
24	Converting a residue from an edible source (<i>Ceratonia siliqua</i> L.) into a bio-oil. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103004.	3.3	14
25	Replacement of petroleum-derived diols by sustainable biopolyols in one component polyurethane foams. <i>Journal of Cleaner Production</i> , 2019, 212, 1036-1043.	4.6	33
26	Modelling of pine wood sawdust thermochemical liquefaction. <i>Biomass and Bioenergy</i> , 2019, 120, 200-210.	2.9	25
27	GC-MS Analysis and Characterization of Bio-Oil from Sweet Potato Peel – A Putative Bio-Fuel. <i>Journal of Material Science and Technology Research</i> , 2019, 6, 110-119.	0.2	1
28	Estimation of HHV of lignocellulosic biomass towards hierarchical cluster analysis by Euclidean's distance method. <i>Fuel</i> , 2018, 221, 72-77.	3.4	32
29	Hybrid custom-tailored sol-gel derived microsc scaffold for biocides immobilization. <i>Microporous and Mesoporous Materials</i> , 2018, 261, 252-258.	2.2	15
30	One-Component Spray Polyurethane Foam from Liquefied Pinewood Polyols: Pursuing Eco-Friendly Materials. <i>Journal of Polymers and the Environment</i> , 2018, 26, 91-100.	2.4	13
31	Design of simplified models for the estimation of higher heating value of refused derived fuels. <i>Fuel</i> , 2018, 212, 431-436.	3.4	20
32	Synthesis and Characterization of Isosorbide-Based Polyurethanes Exhibiting Low Cytotoxicity Towards HaCaT Human Skin Cells. <i>Polymers</i> , 2018, 10, 1170.	2.0	13
33	Quantification by LC-MS/MS of individual sugars in fruit juice consumed in Portugal. <i>Journal of Physics: Conference Series</i> , 2018, 1065, 232004.	0.3	3
34	Polyurethanes as New Excipients in Nail Therapeutics. <i>Pharmaceutics</i> , 2018, 10, 276.	2.0	6
35	Isophorone Diisocyanate (IPDI) Microencapsulation for Mono-Component Adhesives: Effect of the Active H and NCO Sources. <i>Polymers</i> , 2018, 10, 825.	2.0	22
36	Determination of Acrylamide in Portuguese Bread by UPLC-MS/MS: Metrological and Chemometric tools. <i>Acta IMEKO (2012)</i> , 2018, 7, 96.	0.4	7

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37	Polyurethane one-component foam formulation optimization for low free isocyanate monomer content. <i>Journal of Cellular Plastics</i> , 2017, 53, 167-179.	1.2	4
38	Organically-modified silica based microspheres for self-curing polyurethane one component foams. <i>Microporous and Mesoporous Materials</i> , 2017, 244, 244-250.	2.2	10
39	Amino-silica microcapsules as effective curing agents for polyurethane foams. <i>Journal of Materials Science</i> , 2017, 52, 5380-5389.	1.7	9
40	New Polyurethane Nail Lacquers for the Delivery of Terbinafine: Formulation and Antifungal Activity Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1570-1577.	1.6	28
41	Is biomass liquefaction an option for the viability of poplar short rotation coppices? A preliminary experimental approach. <i>Energy</i> , 2017, 124, 40-45.	4.5	24
42	Heuristic analysis of Eucalyptus globulus bark depolymerization via acid-liquefaction. <i>Cellulose</i> , 2017, 24, 659-668.	2.4	16
43	Direct and efficient liquefaction of potato peel into bio-oil. <i>Environmental Chemistry Letters</i> , 2017, 15, 453-458.	8.3	12
44	Ultimate use of Cork – Unorthodox and innovative applications. <i>Ciência & Tecnologia Dos Materiais</i> , 2017, 29, 65-72.	0.5	9
45	Upgrading the Glycerol from Biodiesel Production as a Source of Energy Carriers and Chemicals – A Technological Review for Three Chemical Pathways. <i>Energies</i> , 2017, 10, 1817.	1.6	110
46	Upcycling potato peel waste – Data of the pre-screening of the acid-catalyzed liquefaction. <i>Data in Brief</i> , 2016, 7, 1455-1457.	0.5	3
47	Potential biofuels from liquefied industrial wastes – Preliminary evaluation of heats of combustion and van Krevelen correlations. <i>Journal of Cleaner Production</i> , 2016, 137, 195-199.	4.6	26
48	¹ H-NMR dataset for hydroxycoumarins – Aesculetin, 4-Methylumbelliferone, and umbelliferone. <i>Data in Brief</i> , 2016, 8, 308-311.	0.5	2
49	Valorizing potato peel waste: an overview of the latest publications. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 585-592.	3.9	27
50	Potential biofuel from liquefied cork – Higher heating value comparison. <i>Fuel</i> , 2016, 174, 114-117.	3.4	34
51	Natural polymeric water-based adhesive from cork liquefaction. <i>Industrial Crops and Products</i> , 2016, 84, 314-319.	2.5	30
52	Acid Liquefaction of Potato (<i>Solanum tuberosum</i>) and Sweet Potato (<i>Ipomoea batatas</i>) Cultivars Peels – Pre-Screening of Antioxidant Activity/Total Phenolic and Sugar Contents. <i>BioResources</i> , 2016, 12, .	0.5	12
53	Biomass acid-catalyzed liquefaction – Catalysts performance and polyhydric alcohol influence. <i>Data in Brief</i> , 2015, 5, 736-738.	0.5	13
54	Microwave-assisted Liquefaction of Cork - From an Industrial Waste to Sustainable Chemicals. <i>Industrial Engineering & Management</i> , 2015, 04, .	0.1	4

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55	Sonication as a foremost tool to improve cork liquefaction. <i>Industrial Crops and Products</i> , 2015, 74, 9-13.	2.5	35
56	Efficient and First Regio- and Stereoselective Direct C-Glycosylation of a Flavanone Catalysed by Pr(OTf) ₃ Under Conventional Heating or Ultrasound Irradiation. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1441-1447.	1.2	20
57	Fries-type Reactions for the C-Glycosylation of Phenols. <i>Current Organic Chemistry</i> , 2011, 15, 128-148.	0.9	33
58	Phenolic composition and antioxidant activity of Rocha pear and other pear cultivars – A comparative study. <i>Journal of Functional Foods</i> , 2010, 2, 153-157.	1.6	97
59	Bioactivity studies and chemical profile of the antidiabetic plant <i>Genista tenera</i> . <i>Journal of Ethnopharmacology</i> , 2009, 122, 384-393.	2.0	51
60	C-Glycosylflavonoids: Identification, Bioactivity and Synthesis. <i>Natural Product Communications</i> , 2007, 2, 1934578X0700201.	0.2	11
61	A new lupene triterpenetriol and anticholinesterase activity of <i>Salvia sclareoides</i> . <i>Fármaco</i> , 2007, 78, 474-481.	1.1	47