Ana L Fernando

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2045660/publications.pdf

Version: 2024-02-01

67 papers	2,953 citations	186265 28 h-index	182427 51 g-index
73 all docs	73 docs citations	73 times ranked	3441 citing authors

#	Article	IF	Citations
1	Nanoparticles in food packaging: Biodegradability and potential migration to foodâ€”A review. Food Packaging and Shelf Life, 2016, 8, 63-70.	7.5	250
2	Physical properties of chitosan films incorporated with natural antioxidants. Industrial Crops and Products, 2017, 107, 565-572.	5.2	229
3	Bioenergy from â€œsurplusâ€•land: environmental and socio-economic implications. BioRisk, 0, 7, 5-50.	0.2	165
4	Phytoremediation of Heavy Metal-Contaminated Soils Using the Perennial Energy Crops Miscanthus spp. and Arundo donax L.. Bioenergy Research, 2015, 8, 1500-1511.	3.9	153
5	Activity of chitosan-montmorillonite bionanocomposites incorporated with rosemary essential oil: From in vitro assays to application in fresh poultry meat. Food Hydrocolloids, 2019, 89, 241-252.	10.7	132
6	Chitosan/montmorillonite bionanocomposites incorporated with rosemary and ginger essential oil as packaging for fresh poultry meat. Food Packaging and Shelf Life, 2018, 17, 142-149.	7.5	115
7	Marginal Agricultural Land Low-Input Systems for Biomass Production. Energies, 2019, 12, 3123.	3.1	113
8	Chitosan Composites in Packaging Industryâ€”Current Trends and Future Challenges. Polymers, 2020, 12, 417.	4.5	105
9	Prospects of Bioenergy Cropping Systems for A More Social-Ecologically Sound Bioeconomy. Agronomy, 2019, 9, 605.	3.0	89
10	Environmental impact assessment of energy crops cultivation in Europe. Biofuels, Bioproducts and Biorefining, 2010, 4, 594-604.	3.7	85
11	Efficient coverage of ZnO nanoparticles on cotton fibres for antibacterial finishing using a rapid and low cost in situ synthesis. New Journal of Chemistry, 2018, 42, 1052-1060.	2.8	78
12	Shelf Life Assessment of Fresh Poultry Meat Packaged in Novel Bionanocomposite of Chitosan/Montmorillonite Incorporated with Ginger Essential Oil. Coatings, 2018, 8, 177.	2.6	76
13	Chemical composition and physical properties of dew- and water-retted hemp fibers. Industrial Crops and Products, 2015, 75, 206-211.	5.2	75
14	Eco-Friendly ZnO/Chitosan Bionanocomposites Films for Packaging of Fresh Poultry Meat. Coatings, 2020, 10, 110.	2.6	70
15	Valorization of energy crops as a source for nanocellulose production â€“ Current knowledge and future prospects. Industrial Crops and Products, 2019, 140, 111642.	5.2	69
16	Bio-Based Sensors for Smart Food Packagingâ€”Current Applications and Future Trends. Sensors, 2021, 21, 2148.	3.8	69
17	Understanding the Barrier and Mechanical Behavior of Different Nanofillers in Chitosan Films for Food Packaging. Polymers, 2021, 13, 721.	4.5	63
18	Environmental impact assessment of perennial crops cultivation on marginal soils in the Mediterranean Region. Biomass and Bioenergy, 2018, 111, 174-186.	5.7	62

#	Article	IF	Citations
19	Bionanocomposites of chitosan/montmorillonite incorporated with Rosmarinus officinalis essential oil: Development and physical characterization. Food Packaging and Shelf Life, 2018, 16, 148-156.	7.5	60
20	Physical and Morphological Characterization of Chitosan/Montmorillonite Films Incorporated with Ginger Essential Oil. Coatings, 2019, 9, 700.	2.6	60
21	Life Cycle Assessment of Bioenergy and Bio-Based Products from Perennial Grasses Cultivated on Marginal Land in the Mediterranean Region. Bioenergy Research, 2015, 8, 1548-1561.	3.9	48
22	Perennial Grass Production Opportunities on Marginal Mediterranean Land. Bioenergy Research, 2015, 8, 1523-1537.	3.9	48
23	Methodologies to Assess the Biodegradability of Bio-Based Polymersâ€"Current Knowledge and Existing Gaps. Polymers, 2022, 14, 1359.	4.5	43
24	Environmental aspects of fiber crops cultivation and use. Industrial Crops and Products, 2015, 68, 105-115.	5.2	42
25	Novel Active Food Packaging Films Based on Whey Protein Incorporated with Seaweed Extract: Development, Characterization, and Application in Fresh Poultry Meat. Coatings, 2021, 11, 229.	2.6	41
26	Wastewater reuse for fiber crops cultivation as a strategy to mitigate desertification. Industrial Crops and Products, 2015, 68, 17-23.	5.2	40
27	In vitro bioactivity of novel chitosan bionanocomposites incorporated with different essential oils. Industrial Crops and Products, 2019, 140, 111563.	5.2	38
28	A colorimetric protein phosphatase inhibition assay for the determination of cyanobacterial peptide hepatotoxins based on the dephosphorylation of phosvitin by recombinant protein phosphatase 1. Environmental Toxicology, 2001, 16, 242-252.	4.0	34
29	Phenolic composition and antioxidant activity of kenaf leaves. Industrial Crops and Products, 2015, 78, 116-123.	5.2	34
30	Active Edible Packaging. Encyclopedia, 2021, 1, 360-370.	4.5	29
31	Production of Biosorbents from Waste Olive Cake and Its Adsorption Characteristics for Zn2+ Ion. Sustainability, 2009, 1, 277-297.	3.2	28
32	Development of cranberry extract films for the enhancement of food packaging antimicrobial properties. Food Packaging and Shelf Life, 2021, 28, 100646.	7.5	26
33	Towards identifying industrial crop types and associated agronomies to improve biomass production from marginal lands in Europe. GCB Bioenergy, 2022, 14, 710-734.	5.6	26
34	A New Insight on Cardoon: Exploring New Uses besides Cheese Making with a View to Zero Waste. Foods, 2020, 9, 564.	4.3	24
35	Preliminary studies on the growth, tolerance and phytoremediation ability of sugarbeet (Beta vulgaris) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	23
36	Biodegradable Chitosan Films with ZnO Nanoparticles Synthesized Using Food Industry By-Productsâ€"Production and Characterization. Coatings, 2021, 11, 646.	2.6	21

#	Article	IF	Citations
37	Giant Reed (Arundo donax L.). , 2016, , 77-95.		20
38	Evaluation of the Potential of Biomass to Energy in Portugalâ€"Conclusions from the CONVERTE Project. Energies, 2020, 13, 937.	3.1	20
39	Use of imposex (pseudohermaphroditism) as indicator of the occurrence of organotin compounds in Portuguese coastal waters?Sado and Mira estuaries. Environmental Toxicology, 2001, 16, 234-241.	4.0	19
40	Miscanthus x Giganteus: Contribution to a Sustainable Agriculture of a Future/Present - Oriented Biomaterial. Materials Science Forum, 2004, 455-456, 437-441.	0.3	19
41	Strategies to Improve the Barrier and Mechanical Properties of Pectin Films for Food Packaging: Comparing Nanocomposites with Bilayers. Coatings, 2022, 12, 108.	2.6	19
42	Production of Nanocellulose from Lignocellulosic Biomass Wastes: Prospects and Limitations. Lecture Notes in Electrical Engineering, 2019, , 719-725.	0.4	14
43	Low Indirect Land Use Change (ILUC) Energy Crops to Bioenergy and Biofuelsâ€"A Review. Energies, 2022, 15, 4348.	3.1	14
44	The effect of lowering salt on the physicochemical, microbiological and sensory properties of <scp>S</scp>Ã£o <scp>J</scp>oÃ£o cheese of <scp>P</scp>ico <scp>I</scp>sland. International Journal of Dairy Technology, 2015, 68, 409-419.	2.8	13
45	Aided Phytostabilization of Mine Waste. , 2018, , 147-157.		13
46	Micro and nanocellulose extracted from energy crops as reinforcement agents in chitosan films. Industrial Crops and Products, 2022, 186, 115247.	5.2	13
47	Antioxidant Migration Studies in Chitosan Films Incorporated with Plant Extracts. Journal of Renewable Materials, 2018, , .	2.2	12
48	Sustainability of Perennial Crops Production for Bioenergy and Bioproducts. , 2018, , 245-283.		11
49	Evaluation of Industrial Sour Cherry Liquor Wastes as an Ecofriendly Source of Added Value Chemical Compounds and Energy. Waste and Biomass Valorization, 2020, 11, 201-210.	3.4	11
50	Substitution of sodium chloride by potassium chloride in SÃ£o JoÃ£o cheese of Pico Island. Dairy Science and Technology, 2016, 96, 637-655.	2.2	10
51	Phytoremediation of Inorganic Compounds. , 2016, , 373-399.		9
52	Chronic Hyperglycemia Modulates Rat Osteoporotic Cortical Bone Microarchitecture into Less Fragile Structures. International Journal of Endocrinology, 2017, 2017, 1-9.	1.5	9
53	Fiber Flax Breeding in China and Europe. Journal of Natural Fibers, 2018, 15, 309-324.	3.1	9
54	Co-composting of sweet sorghum biomass with different nitrogen sources. Bioresource Technology, 1995, 54, 21-27.	9.6	8

#	Article	IF	Citations
55	New Insights from the BIOKENAF Project. Green Energy and Technology, 2013, , 177-203.	0.6	8
56	III.Heat stress in Triticum: kinetics of Na, K and P accumulation. Brazilian Journal of Plant Physiology, 2009, 21, 143-152.	0.5	6
57	Production of Energy Crops in Heavy Metals Contaminated Land: Opportunities and Risks. , 2018, , 83-102.		6
58	Wastewaters Reuse for Energy Crops Cultivation. IFIP Advances in Information and Communication Technology, 2016, , 507-514.	0.7	5
59	Environmental Aspects of Kenaf Production and Use. Green Energy and Technology, 2013, , 83-104.	0.6	4
60	Screening of Giant Reed Clones for Phytoremediation of Lead Contaminated Soils. , 2016, , 191-197.		4
61	Environmental and Socio-economic Impact Assessment of the Switchgrass Production in Heavy Metals Contaminated Soils. Lecture Notes in Mechanical Engineering, 2022, , 410-419.	0.4	4
62	Bioaccumulation of Copper, Iron, and Zinc by Pinus halepensis (Miller). Bulletin of Environmental Contamination and Toxicology, 2005, 74, 698-705.	2.7	2
63	Comparative evaluation of European methods for sampling and sample preparation of soils â€" the Portuguese contribution. Science of the Total Environment, 2001, 264, 181-186.	8.0	1
64	CHARACTERIZATION OF KENAF POTENTIAL IN PORTUGAL AS AN INDUSTRIAL AND ENERGY FEEDSTOCK. , 2007, , .		0
65	CHARACTERIZATION OF SWEET, FIBRE AND BIOMASS SORGHUM POTENTIAL IN PORTUGAL AS AN INDUSTRIAL AND ENERGY FEEDSTOCK. , 2007, , .		0
66	Environmental and Genotypical Influences on Triticale Grain Quality in Northeast of Portugal. Developments in Plant Breeding, 1996, , 785-792.	0.2	0
67	Employment of industrial wastes as agents for inclusion modification in molten steels. , 2017, , 389-394.		0