

Lucyna Dyminska

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

547
citations

759233

12
h-index

642732

23
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29
all docs

29
docs citations

29
times ranked

757
citing authors

#	ARTICLE	IF	CITATIONS
1	Imidazopyridines as a source of biological activity and their pharmacological potentialsâ€™ Infrared and Raman spectroscopic evidence of their content in pharmaceuticals and plant materials. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6087-6099.	3.0	84
2	Flavonoid engineering of flax potentiate its biotechnological application. <i>BMC Biotechnology</i> , 2011, 11, 10.	3.3	64
3	Chemical composition and molecular structure of fibers from transgenic flax producing polyhydroxybutyrate, and mechanical properties and platelet aggregation of composite materials containing these fibers. <i>Composites Science and Technology</i> , 2009, 69, 2438-2446.	7.8	41
4	Manipulating cinnamyl alcohol dehydrogenase (CAD) expression in flax affects fibre composition and properties. <i>BMC Plant Biology</i> , 2014, 14, 50.	3.6	41
5	Biochemical, mechanical, and spectroscopic analyses of genetically engineered flax fibers producing bioplastic (poly-3-hydroxybutyrate). <i>Biotechnology Progress</i> , 2009, 25, 1489-1498.	2.6	39
6	Poly-3-hydroxy butyric acid interaction with the transgenic flax fibers: FT-IR and Raman spectra of the composite extracted from a GM flax. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 73, 286-294.	3.9	32
7	New biocomposites based on bioplastic flax fibers and biodegradable polymers. <i>Biotechnology Progress</i> , 2012, 28, 1336-1346.	2.6	32
8	Chalcone Synthase (CHS) Gene Suppression in Flax Leads to Changes in Wall Synthesis and Sensing Genes, Cell Wall Chemistry and Stem Morphology Parameters. <i>Frontiers in Plant Science</i> , 2016, 7, 894.	3.6	32
9	Quantitative determination of the iodine values of unsaturated plant oils using infrared and Raman spectroscopy methods. <i>International Journal of Food Properties</i> , 2017, 20, 2003-2015.	3.0	30
10	Fibres from flax overproducing Î²-1,3-glucanase show increased accumulation of pectin and phenolics and thus higher antioxidant capacity. <i>BMC Biotechnology</i> , 2013, 13, 10.	3.3	29
11	Evaluation of the significance of cell wall polymers in flax infected with a pathogenic strain of <i>Fusarium oxysporum</i> . <i>BMC Plant Biology</i> , 2016, 16, 75.	3.6	25
12	Improved properties of micronized genetically modified flax fibers. <i>Journal of Biotechnology</i> , 2013, 164, 292-299.	3.8	16
13	3-Hydroxybutyrate Is Active Compound in Flax that Upregulates Genes Involved in DNA Methylation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2887.	4.1	11
14	Effect of mcl-PHA synthesis in flax on plant mechanical properties and cell wall composition. <i>Transgenic Research</i> , 2019, 28, 77-90.	2.4	9
15	Does biopolymers composition in seeds contribute to the flax resistance against the <i>Fusarium</i> infection?. <i>Biotechnology Progress</i> , 2014, 30, 992-1004.	2.6	8
16	Impact of CAD-deficiency in flax on biogas production. <i>Transgenic Research</i> , 2015, 24, 971-978.	2.4	8
17	Spectroscopic characterization of genetically modified flax fibres enhanced with poly-3-hydroxybutyric acid. <i>Journal of Molecular Structure</i> , 2009, 920, 214-219.	3.6	7
18	Pectin from transgenic flax shives regulates extracellular matrix remodelling in human skin fibroblasts. <i>Process Biochemistry</i> , 2017, 55, 187-198.	3.7	7

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19	Spectroscopic Evidence of Thermal Changes in Plant Oils during Deep-Frying” Chemical and Infrared Studies. <i>Plants</i> , 2022, 11, 1813.	3.5	6
20	Structural and Vibrational Properties of Imidazo[4,5-c]pyridine, a Structural Unit in Natural Products. <i>Journal of Natural Products</i> , 2013, 76, 1637-1646.	3.0	4
21	Crystal and molecular structures, IR and Raman spectra, vibrational dynamics of aquo 7-methyl-1H-[1,2,3]triazolo[4,5-c]pyridinium nitrate “ a new composite material. <i>Journal of Molecular Structure</i> , 2017, 1133, 9-17.	3.6	4
22	Spectroscopic and biochemical characteristics of flax transgenic callus cultures producing PHB. <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 141, 489-497.	2.3	4
23	Crystal and molecular structures, temperature dependence of the IR and Raman spectra and vibrational dynamics of aquo 4,6-dimethyl-5H-[1,2,3]triazolo[4,5-c]pyridine in a new zwitterionic form. <i>Journal of Molecular Structure</i> , 2017, 1144, 482-495.	3.6	4
24	The Structural and Optical Properties of 1,2,4-Triazolo[4,3-a]pyridine-3-amine. <i>Molecules</i> , 2022, 27, 721.	3.8	4
25	Rearrangement of cell wall polymers in flax infected with a pathogenic strain of <i>Fusarium culmorum</i> . <i>Physiological and Molecular Plant Pathology</i> , 2020, 110, 101461.	2.5	3
26	Spectroscopic properties of spinacine “ an active component of ginseng (<i>Panax ginseng</i>) and spinach (<i>Spinacia oleracea</i>). <i>Spectroscopy Letters</i> , 2016, 49, 635-646.	1.0	0
27	Physicochemical Characterization of the Loganic Acid” IR, Raman, UV-Vis and Luminescence Spectra Analyzed in Terms of Quantum Chemical DFT Approach. <i>Molecules</i> , 2021, 26, 7027.	3.8	0