Antti Haapala

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3005489/publications.pdf

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46	1,268	471061	360668
papers	citations	17	35
		h-index	g-index

46	46	46	1697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Utilization of agricultural and forest industry waste and residues in natural fiber-polymer composites: A review. Waste Management, 2016, 54, 62-73.	3.7	360
2	Cellulose Nanofibrils from Nonderivatizing Urea-Based Deep Eutectic Solvent Pretreatments. ACS Applied Materials & Interfaces, 2017, 9, 2846-2855.	4.0	139
3	Characterization of highly accessible cellulose microfibers generated by wet stirred media milling. Carbohydrate Polymers, 2011, 83, 2005-2010.	5.1	80
4	Anti-oxidative and UV-absorbing biohybrid film of cellulose nanofibrils and tannin extract. Food Hydrocolloids, 2019, 92, 208-217.	5.6	69
5	Analyzing TEMPO-Oxidized Cellulose Fiber Morphology: New Insights into Optimization of the Oxidation Process and Nanocellulose Dispersion Quality. ACS Sustainable Chemistry and Engineering, 2020, 8, 17752-17762.	3.2	63
6	Condensed conifer tannins as antifungal agents in liquid culture. Holzforschung, 2013, 67, 825-832.	0.9	51
7	Services in the forest-based bioeconomy â€“ analysis of European strategies. Scandinavian Journal of Forest Research, 2017, 32, 559-567.	0.5	40
8	Wood biomass potentials for energy in northern Europe: Forest or plantations?. Biomass and Bioenergy, 2017, 106, 95-103.	2.9	40
9	Porous thin film barrier layers from 2,3-dicarboxylic acid cellulose nanofibrils for membrane structures. Carbohydrate Polymers, 2014, 102, 584-589.	5.1	30
10	Reviewing wood biomass potentials for energy in Europe: the role of forests and fast growing plantations. Biofuels, 2017, 8, 401-410.	1.4	27
11	Effect of natural weathering on water absorption and pore size distribution in thermally modified wood determined by nuclear magnetic resonance. Cellulose, 2020, 27, 4235-4247.	2.4	27
12	Optical monitoring of activated sludge flocs in bulking and non-bulking conditions. Environmental Technology (United Kingdom), 2013, 34, 679-686.	1.2	26
13	Pyrolysis distillates from tree bark and fibre hemp inhibit the growth of wood-decaying fungi. Industrial Crops and Products, 2019, 129, 604-610.	2.5	25
14	Bio-based wood preservatives: Their efficiency, leaching and ecotoxicity compared to a commercial wood preservative. Science of the Total Environment, 2021, 753, 142013.	3.9	24
15	Refractive index matching improves optical object detection in paper. Measurement Science and Technology, 2008, 19, 055710.	1.4	23
16	Revalorization of coffee silverskin as a potential feedstock for antifungal chemicals in wood preservation. International Biodeterioration and Biodegradation, 2020, 152, 105011.	1.9	22
17	Improving the thermal performance of concrete-sandwich envelopes in relation to the moisture behaviour of building structures in boreal conditions. Energy and Buildings, 2015, 107, 226-233.	3.1	21
18	Casein-magnesium composite as an intumescent fire retardant coating for wood. Fire Safety Journal, 2020, 112, 102943.	1.4	20

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19	Fabricating Sustainable All-Cellulose Composites. Applied Sciences (Switzerland), 2021, 11, 10069.	1.3	19
20	Activity of spent coffee ground cinnamates against wood-decaying fungi in vitro. BioResources, 2018, 13, 6555-6564.	0.5	16
21	Hydrodynamic drag and rise velocity of microbubbles in papermaking process waters. Chemical Engineering Journal, 2010, 162, 956-964.	6.6	15
22	Shaping the concept of bioeconomy in participatory projects â€“ An example from the post-graduate education in Finland. Journal of Cleaner Production, 2019, 221, 176-188.	4.6	15
23	Thermochemical conversion of birch bark by temperature-programmed slow pyrolysis with fractional condensation. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104843.	2.6	15
24	Automated image analysis tool to measure microbial growth on solid cultures. Computers and Electronics in Agriculture, 2018, 151, 426-430.	3.7	13
25	Use of design optimization techniques in solving typical structural engineering related design optimization problems. Structural Engineering and Mechanics, 2015, 55, 1121-1137.	1.0	13
26	New energy crop alternatives for Northern Europe: Yield, chemical and physical properties of Giant knotweed (Fallopia sachalinensis var. â€˜Igniscumâ€™) and Virginia mallow (Sida hermaphrodita). Fuel, 2021, 304, 121349.	3.4	10
27	Adsorption of bark derived polyphenols onto functionalized nanocellulose: Equilibrium modeling and kinetics. AICHE Journal, 2020, 66, e16823.	1.8	9
28	Bioeconomy potential - focus on Northern Finland. International Journal of Sustainable Economy, 2015, 7, 66.	0.1	6
29	Antifungal Activity of Organic Acies and Their Impact on Wood Decay Resistance. Wood and Fiber Science, 2020, 52, 410-418.	0.2	6
30	Impact of Air-gap Design to Hygro-thermal Properties and Mould Growth Risk Between Concrete Foundation and CLT Frame. Energy Procedia, 2017, 132, 117-122.	1.8	5
31	Effects of two-year weather exposure on thermally modified Picea abies, Pinus sylvestris, and Fraxinus excelsior wood. Canadian Journal of Forest Research, 2020, 50, 1160-1171.	0.8	5
32	Valorization of Bark from Short Rotation Trees by Temperature-Programmed Slow Pyrolysis. ACS Omega, 2021, 6, 9771-9779.	1.6	5
33	Effect of wavelength selection on determination of ink content and ink elimination at 700 or 950 nm. Tappi Journal, 2014, 13, 45-52.	0.2	5
34	Numerical estimation of mould growth on common single-family house building envelopes in boreal conditions. European Journal of Environmental and Civil Engineering, 2018, 22, 1196-1211.	1.0	4
35	Effects of environmental conditions on physical and mechanical properties of thermally modified wood. Canadian Journal of Forest Research, 2019, 49, 1434-1440.	0.8	4
36	Comparison of test medium preparation methods for residual ink analysis. Tappi Journal, 2011, 10, 7-14.	0.2	3

#	Article	IF	Citations
37	Recovering fibers from fine-prescreening reject at deinking mills. Tappi Journal, 2012, 11, 53-62.	0.2	3
38	Scattering properties of recycled pulp at the near infrared region and its effect on the determination of residual ink. Tappi Journal, 2011, 10, 17-22.	0.2	3
39	Ink and dirt behavior in pulping after artificial aging of cold-set offset printed newspapers in different humidity conditions. Resources, Conservation and Recycling, 2013, 76, 41-49.	5.3	2
40	Hygro-thermal and Mould Growth Risk Analysis of Common Foundation Structures. Energy Procedia, 2017, 132, 111-116.	1.8	2
41	Novel Micronized Mica Modified Caseinâ€“Aluminum Hydroxide as Fire Retardant Coatings for Wood Products. Coatings, 2022, 12, 673.	1.2	2
42	Hydrodynamic drag and velocity of micro-bubbles in dilute paper machine suspensions. , 2009, , .		1
43	Paper machine white water deaeration and two-stage flotation with channel flow. Tappi Journal, 2012, 11, 51-58.	0.2	0
44	Optical analysis of ink and other contaminants in process waters. Tappi Journal, 2012, 11, 51-58.	0.2	0
45	Integration of Structural Health Control in BIM for Current and Future Residential Buildings. , 2017, , .		0
46	Characterisation, Recovery and Activity of Hydrophobic Compounds in Norway Spruce Log Soaking Pit Water: Could they be Used in Wood Preservative Formulations?. Waste and Biomass Valorization, 2022, 13, 2553-2564.	1.8	0