

Anna Sandak

List of Publications by Year in descending order

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73
papers

1,040
citations

535685

17
h-index

591227

27
g-index

78
all docs

78
docs citations

78
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	Selected previous findings on the factors influencing the gluing quality of solid wood products in timber construction and possible developments: A review. <i>Wood Material Science and Engineering</i> , 2022, 17, 230-241.	1.1	23
2	Pre-Service and In-Service Teachersâ€™ Views on Gamification. <i>International Journal of Emerging Technologies in Learning</i> , 2022, 17, 83-103.	0.8	6
3	How do Slovenian Educators feel about Gamification? Interested to Know More. <i>Education and Self Development</i> , 2022, 17, 99-109.	0.2	0
4	Characterization and classification of Pinus oleoresin samples according to Pinus species, tapping method, and geographical origin based on chemical composition and chemometrics. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 42, 102340.	1.5	4
5	Characterization of the Compounds Released in the Gaseous Waste Stream during the Slow Pyrolysis of Hemp (<i>Cannabis sativa</i> L.). <i>Molecules</i> , 2022, 27, 2794.	1.7	1
6	One-Step Lignin Refining Process: The Influence of the Solvent Nature on the Properties and Quality of Fractions. <i>Polymers</i> , 2022, 14, 2363.	2.0	4
7	Comparative Performance of NIR-Hyperspectral Imaging Systems. <i>Foundations</i> , 2022, 2, 523-540.	0.4	3
8	Fractionation of lignin using organic solvents: A combined experimental and theoretical study. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 792-805.	3.6	39
9	Energy Retrofitting Opportunities Using Renewable Materialsâ€™ Comparative Analysis of the Current Frameworks in Bosnia-Herzegovina and Slovenia. <i>Sustainability</i> , 2021, 13, 603.	1.6	6
10	Characterization of Arctic Driftwood as Naturally Modified Material. Part 1: Machinability. <i>Coatings</i> , 2021, 11, 278.	1.2	2
11	Nondestructive Evaluation of Heritage Object Coatings with Four Hyperspectral Imaging Systems. <i>Coatings</i> , 2021, 11, 244.	1.2	12
12	Revealing of Supercritical Water Gasification Process of Lignin by Reactive Force Field Molecular Dynamics Simulations. <i>Processes</i> , 2021, 9, 714.	1.3	10
13	Multi-sensor data fusion and parallel factor analysis reveals kinetics of wood weathering. <i>Talanta</i> , 2021, 225, 122024.	2.9	9
14	Impact of drying process on kraft lignin: lignin-water interaction mechanism study by 2D NIR correlation spectroscopy. <i>Journal of Materials Research and Technology</i> , 2021, 12, 159-169.	2.6	22
15	Hybrid Approach for Wood Modification: Characterization and Evaluation of Weathering Resistance of Coatings on Acetylated Wood. <i>Coatings</i> , 2021, 11, 658.	1.2	7
16	Bioinspired Living Coating System in Service: Evaluation of the Wood Protected with Biofinish during One-Year Natural Weathering. <i>Coatings</i> , 2021, 11, 701.	1.2	11
17	Special Issue â€œWood Modification: Characterization, Modelling, and Applicationsâ€. <i>Coatings</i> , 2021, 11, 869.	1.2	1
18	An Exploratory Study of Consumersâ€™ Knowledge and Attitudes about Lignin-Based Sunscreens and Bio-Based Skincare Products. <i>Cosmetics</i> , 2021, 8, 78.	1.5	9

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19	A Method for Accelerated Natural Weathering of Wood Subsurface and Its Multilevel Characterization. <i>Coatings</i> , 2021, 11, 126.	1.2	14
20	Feasibility of portable NIR spectrometer for quality assurance in glue-laminated timber production. <i>Construction and Building Materials</i> , 2021, 308, 125026.	3.2	10
21	Beyond spectral range – Welcome to join NIRITALIA 2020. <i>NIR News</i> , 2020, 31, 5-7.	1.6	0
22	Hydrophobization and Photo-Stabilization of Radiata Pinewood: The Effect of the Esterification on Thermal and Mechanical Properties. <i>Forests</i> , 2020, 11, 1243.	0.9	4
23	On-Line Measurement of Wood Surface Smoothness. <i>Drvna Industrija</i> , 2020, 71, 193-200.	0.3	8
24	Multiscale modelling investigation of wood modification with acetic anhydride. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 28448-28458.	1.3	13
25	FTIR analysis of chemical changes in wood induced by steaming and longitudinal compression. <i>Cellulose</i> , 2020, 27, 6811-6829.	2.4	22
26	Trends and perspectives in the use of timber and derived products in building façades. , 2020, , 333-374.		3
27	Development of Low-Cost Portable Spectrometers for Detection of Wood Defects. <i>Sensors</i> , 2020, 20, 545.	2.1	29
28	PREFABRICATED TIMBER PANELS APPLICATION POSSIBILITIES FOR THE ENERGY REFURBISHMENT OF RESIDENTIAL BUILDINGS ENVELOPE IN BOSNIA-HERZEGOVINA AND SLOVENIA. , 2020, 14, .	0.0	0
29	Damage progression analysis in a historical timber framed wall under cyclic loads through an image-based tracking method. <i>Construction and Building Materials</i> , 2019, 199, 483-491.	3.2	4
30	Portfolio of Bio-Based Façade Materials. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2019, , 155-177.	0.7	2
31	Bio-based Building Skin. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2019, , .	0.7	35
32	Manufacturing fit-for-purpose paper packaging containers with controlled biodegradation rate by optimizing addition of natural fillers. <i>Cellulose</i> , 2019, 26, 2673-2688.	2.4	9
33	Chemical and appearance changes of wood due to artificial weathering – Dose–response model. <i>Journal of Near Infrared Spectroscopy</i> , 2019, 27, 26-37.	0.8	13
34	Service Life Performance. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2019, , 127-153.	0.7	0
35	Prototype of the Near-Infrared Spectroscopy Expert System for Particleboard Identification. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-11.	0.6	9
36	Estimation of fracture toughness and shear yield stress of orthotropic materials in cutting with rotating tools. <i>Engineering Fracture Mechanics</i> , 2017, 178, 433-444.	2.0	13

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37	Development of the in-field sensor for estimation of fracture toughness and shear strength by measuring cutting forces. <i>International Wood Products Journal</i> , 2017, 8, 34-38.	0.6	2
38	Hyperspectral imaging of weathered wood samples in transmission mode. <i>International Wood Products Journal</i> , 2017, 8, 9-13.	0.6	8
39	Machinability of Minor Wooden Species before and after Modification with Thermo-Vacuum Technology. <i>Materials</i> , 2017, 10, 121.	1.3	16
40	ASSESSMENT AND MONITORING OF AESTHETIC APPEARANCE OF BUILDING BIOMATERIALS DURING THE SERVICE LIFE. <i>WIT Transactions on Ecology and the Environment</i> , 2017, , .	0.0	6
41	Selection of optimal conversion path for willow biomass assisted by near infrared spectroscopy. <i>IForest</i> , 2017, 10, 506-514.	0.5	7
42	Using various infrared techniques for assessing timber structures. <i>International Journal of Computational Methods and Experimental Measurements</i> , 2017, 5, 858-871.	0.1	1
43	Thermo-Vacuum Modification of Poplar Veneers and its Quality Control. <i>BioResources</i> , 2016, 11, .	0.5	13
44	Assessment of wood structural members degradation by means of infrared spectroscopy: an overview. <i>Structural Control and Health Monitoring</i> , 2016, 23, 396-408.	1.9	24
45	Densified wooden nails for new timber assemblies and restoration works: A pilot research. <i>Construction and Building Materials</i> , 2016, 102, 1084-1092.	3.2	16
46	Near Infrared Spectroscopy as a Tool for In-Field Determination of Log/Biomass Quality Index in Mountain Forests. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 587-594.	0.8	10
47	Chemical Changes to Woody Polymers Due to High-Temperature Thermal Treatment Assessed with near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 555-562.	0.8	8
48	Weathering Kinetics of Thin Wood Veneers Assessed with near Infrared Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 549-553.	0.8	9
49	Near Infrared Hyperspectral Imaging in Transmission Mode: Assessing the Weathering of Thin Wood Samples. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 595-604.	0.8	14
50	Assessing Trees, Wood and Derived Products with near Infrared Spectroscopy: Hints and Tips. <i>Journal of Near Infrared Spectroscopy</i> , 2016, 24, 485-505.	0.8	69
51	Near infrared spectroscopic studies on coatings of 19th century wooden parquets from manor houses in South-Eastern Poland. <i>Journal of Cultural Heritage</i> , 2015, 16, 508-517.	1.5	12
52	Quality control of vacuum thermally modified wood with near infrared spectroscopy. <i>Vacuum</i> , 2015, 114, 44-48.	1.6	30
53	Estimation of physical and mechanical properties of timber members in service by means of infrared spectroscopy. <i>Construction and Building Materials</i> , 2015, 101, 1197-1205.	3.2	21
54	Characterization and Monitoring of Surface Weathering on Exposed Timber Structures With a Multi-Sensor Approach. <i>International Journal of Architectural Heritage</i> , 2015, 9, 674-688.	1.7	34

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55	Differences in wood properties of <i>Picea abies</i> L. Karst. in relation to site of provenance and population genetics. <i>Holzforschung</i> , 2015, 69, 385-397.	0.9	16
56	Multivariate analysis of multi-sensor data for assessment of timber structures: Principles and applications. <i>Construction and Building Materials</i> , 2015, 101, 1172-1180.	3.2	24
57	Near infrared assessment of biodegradability and mechanical properties of paper made of cellulose sulfate bleached coniferous pulp with addition of cationic starch and resinous adhesive. <i>International Biodeterioration and Biodegradation</i> , 2015, 97, 31-39.	1.9	6
58	Solid state NMR and IR characterization of wood polymer structure in relation to tree provenance. <i>Carbohydrate Polymers</i> , 2015, 117, 710-721.	5.1	78
59	Spectral analysis of changes to pine and oak wood natural polymers after short-term waterlogging. <i>Polymer Degradation and Stability</i> , 2014, 99, 68-79.	2.7	27
60	Analysis and prediction of selected mechanical/dynamic properties of wood after short and long-term waterlogging. <i>Construction and Building Materials</i> , 2014, 68, 444-454.	3.2	29
61	The Effect of Wood Provenance and Density on Cutting Forces While Sawing Scots Pine (<i>Pinus</i>)	0.5	17
62	The SWORFISH Project Approach for Modeling Wood Material Modifications in Timber Structures. <i>Advanced Materials Research</i> , 2013, 778, 418-423.	0.3	0
63	Monitoring of Wood Decay by near Infrared Spectroscopy. <i>Advanced Materials Research</i> , 2013, 778, 802-809.	0.3	16
64	Novel Nail-Like Wood Connectors. <i>Advanced Materials Research</i> , 2013, 778, 647-654.	0.3	3
65	Fourier Transform near Infrared Assessment of Biomass Composition of Shrub Willow Clones (<i>Salix</i> sp.) for Optimal Bio-Conversion Processing. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 309-318.	0.8	8
66	Fourier Transform near Infrared Analysis of Waste Paper with the Addition of Cereal Bran Biodegraded by <i>Ascomycetes</i> Fungi. <i>Journal of Near Infrared Spectroscopy</i> , 2011, 19, 369-379.	0.8	6
67	Relationship between near-infrared (NIR) spectra and the geographical provenance of timber. <i>Wood Science and Technology</i> , 2011, 45, 35-48.	1.4	68
68	Near infrared spectroscopy as a tool for archaeological wood characterization. <i>Journal of Archaeological Science</i> , 2010, 37, 2093-2101.	1.2	46
69	Non Destructive Characterization of Wooden Members Using near Infrared Spectroscopy. <i>Advanced Materials Research</i> , 0, 778, 328-334.	0.3	7
70	A Multi Sensor Approach for Prediction of Weathering Effects on Exposed Timber Structures. <i>Advanced Materials Research</i> , 0, 778, 794-801.	0.3	6
71	Near Infrared Spectroscopy as a Tool for Estimation of Mechanical Stresses in Wood. <i>Advanced Materials Research</i> , 0, 778, 448-453.	0.3	9
72	Weather degradation of thin wood samples assessed with NIR hyperspectral imaging in transmission mode.		1

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73	Leveraging Structural Health Monitoring Data Through Avatars to Extend the Service Life of Mass Timber Buildings. <i>Frontiers in Built Environment</i> , 0, 8, .	1.2	4