

André Bâgin-Drolet

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

181
citations

1307594

7
h-index

1125743

13
g-index

18
all docs

18
docs citations

18
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of a 3D printer head for additive manufacturing of sugar glass for tissue engineering applications. <i>Additive Manufacturing</i> , 2017, 15, 29-39.	3.0	47
2	Linear Scanning ATR-FTIR for Chemical Mapping and High-Throughput Studies of <i>Pseudomonas</i> sp. Biofilms in Microfluidic Channels. <i>Analytical Chemistry</i> , 2018, 90, 14475-14483.	6.5	27
3	Field analysis, modeling and characterization of wind turbine hot air ice protection systems. <i>Cold Regions Science and Technology</i> , 2019, 163, 19-26.	3.5	19
4	Time domain modeling of cup anemometers using artificial neural networks. <i>Flow Measurement and Instrumentation</i> , 2013, 33, 10-27.	2.0	13
5	Sugar glass fugitive ink loaded with calcium chloride for the rapid casting of alginate scaffold designs. <i>Heliyon</i> , 2018, 4, e00680.	3.2	12
6	A new atmospheric icing detector based on thermally heated cylindrical probes for wind turbine applications. <i>Cold Regions Science and Technology</i> , 2018, 148, 131-141.	3.5	11
7	A new robust controller for non-linear periodic single-input/single-output systems using genetic algorithms. <i>Journal of Process Control</i> , 2018, 61, 23-35.	3.3	8
8	Scanning Aperture Approach for Spatially Selective ATR-FTIR Spectroscopy: Application to Microfluidics. <i>Analytical Chemistry</i> , 2021, 93, 14076-14087.	6.5	8
9	Off-axis characterization of ice-free anemometers. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011, 99, 825-832.	3.9	7
10	Parametric study of a yellow birch surface impregnation process. <i>European Journal of Wood and Wood Products</i> , 2021, 79, 897-906.	2.9	6
11	Biocompatible compact micropump with integrated unidirectional microvalves for low pressure microfluidic applications. <i>Sensors and Actuators A: Physical</i> , 2018, 276, 246-258.	4.1	5
12	Assembly Solution for Modular Buildings: Development of an Automated Connecting Device for Light-Framed Structures. <i>Buildings</i> , 2022, 12, 672.	3.1	5
13	In situ estimation of effective liquid water content on a wind turbine using a thermal based sensor. <i>Cold Regions Science and Technology</i> , 2021, 184, 103235.	3.5	4
14	Intelligent heating control of a new ice-free anemometer. <i>Cold Regions Science and Technology</i> , 2011, 65, 351-358.	3.5	3
15	An in vitro Perfused Macroencapsulation Device to Study Hemocompatibility and Survival of Islet-Like Cell Clusters. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 674125.	4.1	3
16	Towards standards in the analysis of wind turbines operating in cold climate. Part B: Methodology for evaluating wind turbine alternative operational strategies. <i>Cold Regions Science and Technology</i> , 2022, 196, 103494.	3.5	2
17	Novel meteorological sensor for anemometer heating control purposes: Part B – Integration into a single sensor. <i>Cold Regions Science and Technology</i> , 2013, 96, 53-68.	3.5	1
18	On friction measurements and certification of slip-preventing materials for road freight usages. <i>Packaging Technology and Science</i> , 0, , .	2.8	0