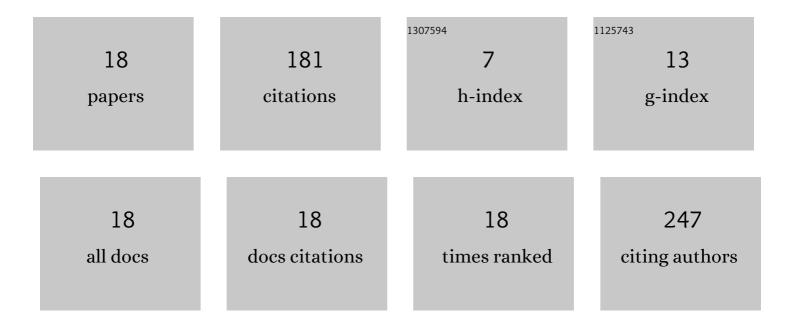
André Bégin-Drolet

List of Publications by Year in descending order

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