

# Vincent Nicolas

## List of Publications by Year in descending order

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17  
papers

353  
citations

933264

10  
h-index

887953

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

276  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of natural materials for solar evaporation. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110814.	3.0	77
2	3D printing of carbon-based materials: A review. <i>Carbon</i> , 2021, 183, 449-485.	5.4	53
3	Modelling heat and mass transfer in deformable porous media: Application to bread baking. <i>Journal of Food Engineering</i> , 2014, 130, 23-35.	2.7	40
4	Numerical and experimental characterization of a batch bread baking oven. <i>Applied Thermal Engineering</i> , 2012, 48, 289-295.	3.0	28
5	Modeling bread baking with focus on overall deformation and local porosity evolution. <i>AIChE Journal</i> , 2016, 62, 3847-3863.	1.8	26
6	Floating hollow carbon spheres for improved solar evaporation. <i>Carbon</i> , 2019, 146, 232-247.	5.4	22
7	Experiment and multiphysic simulation of dough baking by convection, infrared radiation and direct conduction. <i>International Journal of Thermal Sciences</i> , 2017, 115, 65-78.	2.6	17
8	Modelling the hygrothermal behaviour of cement-bonded wood composite panels as permanent formwork. <i>Industrial Crops and Products</i> , 2019, 142, 111784.	2.5	17
9	Experimental investigation of French bread baking under conventional conditions or short infrared emitters. <i>Applied Thermal Engineering</i> , 2015, 75, 461-467.	3.0	15
10	Modelling heat and mass transfer in solar evaporation systems. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121852.	2.5	13
11	Tannin-Based Resins for 3D printing of Porous Carbon Architectures. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7702-7711.	3.2	11
12	Experimental investigation of the physical foaming of tannin-based thermoset foams. <i>Industrial Crops and Products</i> , 2019, 138, 111424.	2.5	10
13	First approach for modelling the physical foaming of tannin-based thermoset foams. <i>International Journal of Thermal Sciences</i> , 2020, 149, 106212.	2.6	9
14	Experimental Design Optimization of Acrylate-Tannin Photocurable Resins for 3D Printing of Bio-Based Porous Carbon Architectures. <i>Molecules</i> , 2022, 27, 2091.	1.7	8
15	Modelling heat and mass transfer in bread baking with mechanical deformation. <i>Journal of Physics: Conference Series</i> , 2012, 395, 012146.	0.3	3
16	Better understanding of solar water evaporation systems using a biosourced foam and its modelling. <i>Applied Thermal Engineering</i> , 2022, 214, 118802.	3.0	3
17	Estimation of the reaction kinetic parameters of a mimosa tannin-based thermoset resin with a simulation approach. <i>Industrial Crops and Products</i> , 2021, 161, 113228.	2.5	1