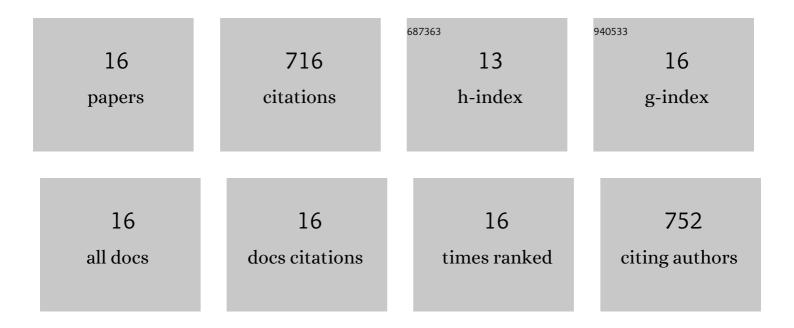
## Franck N'Guyen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Effective thermal and mechanical properties of randomly oriented short and long fiber composites. Mechanics of Materials, 2017, 107, 56-70.	3.2	31
2	Effect of the Cold-Sprayed Aluminum Coating-Substrate Interface Morphology on Bond Strength for Aircraft Repair Application. Journal of Thermal Spray Technology, 2017, 26, 671-686.	3.1	29
3	Microstructure Evolution of a Platinum-Modified Nickel-Aluminide Coating During Thermal and Thermo-mechanical Fatigue. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4589-4600.	2.2	13
4	A methodology to model the complex morphology of rough interfaces. International Journal of Solids and Structures, 2014, 51, 3293-3302.	2.7	24
5	Impact of material processing and deformation on cell morphology and mechanical behavior of polyurethane and nickel foams. International Journal of Solids and Structures, 2012, 49, 2714-2732.	2.7	42
6	Effect of Multiaxial Stress State on Morphology and Spatial Distribution of Voids in Deformed Semicrystalline Polymer Assessed by X-ray Tomography. Macromolecules, 2012, 45, 4658-4668.	4.8	46
7	Three-dimensional investigation of thermal barrier coatings by synchrotron-radiation computed laminography. Scripta Materialia, 2012, 66, 471-474.	5.2	22
8	A multiscale microstructure model of carbon black distribution in rubber. Journal of Microscopy, 2011, 241, 243-260.	1.8	46
9	Virtual improvement of ice cream properties by computational homogenization of microstructures. Mechanics Research Communications, 2011, 38, 136-140.	1.8	10
10	Comparison of experimental results and finite element simulation of strain localization scheme under cyclic loading. Computational Materials Science, 2009, 46, 755-760.	3.0	26
11	Ensemble averaging stress–strain fields in polycrystalline aggregates with a constrained surface microstructure – Part 1: anisotropic elastic behaviour. Philosophical Magazine, 2007, 87, 1401-1424.	1.6	60
12	Apparent and effective physical properties of heterogeneous materials: Representativity of samples of two materials from food industry. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 3960-3982.	6.6	164
13	Investigation on the influence of cell shape anisotropy on the mechanical performance of closed cell aluminium foams using micro-computed tomography. Journal of Materials Science, 2005, 40, 5801-5811.	3.7	60
14	3D quantitative image analysis of open-cell nickel foams under tension and compression loading using X-ray microtomography. Philosophical Magazine, 2005, 85, 2147-2175.	1.6	84
15	Microstructure and damage initiation in duplex stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 317, 32-36.	5.6	47
16	Random Approach to Peening Coverage in Ultrasonic Shot-Peening. Materials and Manufacturing Processes, 1995, 10, 1101-1106.	4.7	12