

# Yannick Tillier

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

172  
citations

7  
h-index

12  
g-index

25  
ext. papers

212  
ext. citations

3  
avg, IF

2.69  
L-index

#	Paper	IF	Citations
20	Determination of Young's modulus of mandibular bone using inverse analysis. <i>Medical Engineering and Physics</i> , <b>2010</b> , 32, 630-7	2.4	44
19	Stress distribution in the temporo-mandibular joint discs during jaw closing: a high-resolution three-dimensional finite-element model analysis. <i>Surgical and Radiologic Anatomy</i> , <b>2012</b> , 34, 405-13	1.4	27
18	Numerical and experimental study of the electrofusion welding process of polyethylene pipes. <i>Polymer Engineering and Science</i> , <b>2015</b> , 55, 123-131	2.3	18
17	Identification of magnetic parameters by inverse analysis coupled with finite-element modeling. <i>IEEE Transactions on Magnetics</i> , <b>2002</b> , 38, 3607-3619	2	16
16	Three-dimensional finite element modelling for soft tissues surgery. <i>International Congress Series</i> , <b>2003</b> , 1256, 349-355		11
15	Comparison of stress distribution in the temporomandibular joint during jaw closing before and after symphyseal distraction: a finite element study. <i>International Journal of Oral and Maxillofacial Surgery</i> , <b>2012</b> , 41, 1474-82	2.9	9
14	Material properties of the placenta under dynamic loading conditions. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2014</b> , 17, 958-64	2.1	7
13	Theoretical prediction of dental composites yield stress and flexural modulus based on filler volume ratio. <i>Dental Materials</i> , <b>2020</b> , 36, 97-107	5.7	6
12	Immediate post-operative procedure for identification of the rheological parameters of biological soft tissue. <i>International Congress Series</i> , <b>2004</b> , 1268, 407-412		5
11	Diagnosis and management of bruxism: Evaluation of clinical practices in France. <i>Cranio - Journal of Craniomandibular Practice</i> , <b>2021</b> , 39, 412-423	1.2	4
10	Mechanical characterization and identification of material parameters of porcine aortic valve leaflets. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 112, 104036	4.1	3
9	A numerical, theoretical and experimental study of the effect of thermocycling on the matrix-filler interface of dental restorative materials. <i>Dental Materials</i> , <b>2021</b> , 37, 772-782	5.7	3
8	Numerical studies of wrinkling phenomenon in inflatable hyperelastic membranes undergoing multiaxial loadings. <i>International Journal of Material Forming</i> , <b>2009</b> , 2, 593-596	2	2
7	Finite element modelling for soft tissues surgery based on nonlinear elasticity behaviour. <i>International Congress Series</i> , <b>2004</b> , 1268, 384-389		2
6	Modjaw <sup>®</sup> device: Analysis of mandibular kinematics recorded for a group of asymptomatic subjects. <i>Cranio - Journal of Craniomandibular Practice</i> , <b>2021</b> , 1-7	1.2	2
5	Biomechanical assessment of different fixation methods in mandibular high sagittal oblique osteotomy using a three-dimensional finite element analysis model. <i>Scientific Reports</i> , <b>2021</b> , 11, 8755	4.9	2
4	Electrofusion Welding Process Optimization Using a Coupled Numerical and Experimental Approach. <i>International Polymer Processing</i> , <b>2015</b> , 30, 566-573	1	1

- 3 3D finite element modelling of macular translocation. *International Congress Series*, **2005**, 1281, 467-472 1
- 2 Finite element modeling for soft tissue surgery based on linear and nonlinear elasticity behavior. *Computer Aided Surgery*, **2006**, 11, 63-68 1
- 1 Experimental Bi-axial tensile tests of spinal meningeal tissues and constitutive models comparison. *Acta Biomaterialia*, **2021**, 140, 446-446 10.8