

# Yannick Tillier

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

269  
citations

1039406

9  
h-index

940134

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Young's modulus of mandibular bone using inverse analysis. <i>Medical Engineering and Physics</i> , 2010, 32, 630-637.	0.8	62
2	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> , 2012, 34, 405-413.	0.6	33
3	Numerical and experimental study of the electrofusion welding process of polyethylene pipes. <i>Polymer Engineering and Science</i> , 2015, 55, 123-131.	1.5	25
4	Identification of magnetic parameters by inverse analysis coupled with finite-element modeling. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 3607-3619.	1.2	21
5	Modjaw® device: Analysis of mandibular kinematics recorded for a group of asymptomatic subjects. <i>Cranio - Journal of Craniomandibular Practice</i> , 2021, , 1-7.	0.6	21
6	Three-dimensional finite element modelling for soft tissues surgery. <i>International Congress Series</i> , 2003, 1256, 349-355.	0.2	14
7	Theoretical prediction of dental composites yield stress and flexural modulus based on filler volume ratio. <i>Dental Materials</i> , 2020, 36, 97-107.	1.6	13
8	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> , 2012, 41, 1474-1482.	0.7	11
9	Material properties of the placenta under dynamic loading conditions. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 958-964.	0.9	9
10	A numerical, theoretical and experimental study of the effect of thermocycling on the matrix-filler interface of dental restorative materials. <i>Dental Materials</i> , 2021, 37, 772-782.	1.6	9
11	Finite element modelling for soft tissues surgery based on nonlinear elasticity behaviour. <i>International Congress Series</i> , 2004, 1268, 384-389.	0.2	7
12	Mechanical characterization and identification of material parameters of porcine aortic valve leaflets. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 112, 104036.	1.5	7
13	Diagnosis and management of bruxism: Evaluation of clinical practices in France. <i>Cranio - Journal of Craniomandibular Practice</i> , 2019, 39, 1-12.	0.6	6
14	Immediate post-operative procedure for identification of the rheological parameters of biological soft tissue. <i>International Congress Series</i> , 2004, 1268, 407-412.	0.2	5
15	Biomechanical assessment of different fixation methods in mandibular high sagittal oblique osteotomy using a three-dimensional finite element analysis model. <i>Scientific Reports</i> , 2021, 11, 8755.	1.6	5
16	Experimental Bi-axial tensile tests of spinal meningeal tissues and constitutive models comparison. <i>Acta Biomaterialia</i> , 2022, 140, 446-456.	4.1	4
17	Numerical studies of wrinkling phenomenon in inflatable hyperelastic membranes undergoing multiaxial loadings. <i>International Journal of Material Forming</i> , 2009, 2, 593-596.	0.9	3
18	Finite element modeling for soft tissue surgery based on linear and nonlinear elasticity behavior. <i>Computer Aided Surgery</i> , 2006, 11, 63-68.	1.8	2

#	ARTICLE	IF	CITATIONS
19	3D finite element modelling of macular translocation. International Congress Series, 2005, 1281, 467-472.	0.2	1
20	Electrofusion Welding Process Optimization Using a Coupled Numerical and Experimental Approach. International Polymer Processing, 2015, 30, 566-573.	0.3	1
21	Three-dimensional Finite Element Modeling of an Uterus Surgery. International Journal of Forming Processes, 2007, 10, 125-136.	0.3	0