## Yannick Tillier

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2395818/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Determination of Young's modulus of mandibular bone using inverse analysis. Medical Engineering and Physics, 2010, 32, 630-637.	1.7	62
2	Stress distribution in the temporo-mandibular joint discs during jaw closing: a high-resolution three-dimensional finite-element model analysis. Surgical and Radiologic Anatomy, 2012, 34, 405-413.	1.2	33
3	Numerical and experimental study of the electrofusion welding process of polyethylene pipes. Polymer Engineering and Science, 2015, 55, 123-131.	3.1	25
4	Identification of magnetic parameters by inverse analysis coupled with finite-element modeling. IEEE Transactions on Magnetics, 2002, 38, 3607-3619.	2.1	21
5	Modjaw® device: Analysis of mandibular kinematics recorded for a group of asymptomatic subjects. Cranio - Journal of Craniomandibular Practice, 2021, , 1-7.	1.4	21
6	Three-dimensional finite element modelling for soft tissues surgery. International Congress Series, 2003, 1256, 349-355.	0.2	14
7	Theoretical prediction of dental composites yield stress and flexural modulus based on filler volume ratio. Dental Materials, 2020, 36, 97-107.	3.5	13
8	Comparison of stress distribution in the temporomandibular joint during jaw closing before and after symphyseal distraction: a finite element study. International Journal of Oral and Maxillofacial Surgery, 2012, 41, 1474-1482.	1.5	11
9	Material properties of the placenta under dynamic loading conditions. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 958-964.	1.6	9
10	A numerical, theoretical and experimental study of the effect of thermocycling on the matrix-filler interface of dental restorative materials. Dental Materials, 2021, 37, 772-782.	3.5	9
11	Finite element modelling for soft tissues surgery based on nonlinear elasticity behaviour. International Congress Series, 2004, 1268, 384-389.	0.2	7
12	Mechanical characterization and identification of material parameters of porcine aortic valve leaflets. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104036.	3.1	7
13	Diagnosis and management of bruxism: Evaluation of clinical practices in France. Cranio - Journal of Craniomandibular Practice, 2019, 39, 1-12.	1.4	6
14	Immediate post-operative procedure for identification of the rheological parameters of biological soft tissue. International Congress Series, 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. Scientific Reports, 2021, 11, 8755.	3.3	5
16	Experimental Bi-axial tensile tests of spinal meningeal tissues and constitutive models comparison. Acta Biomaterialia, 2022, 140, 446-456.	8.3	4
17	Numerical studies of wrinkling phenomenon in inflatable hyperelastic membranes undergoing multiaxial loadings. International Journal of Material Forming, 2009, 2, 593-596.	2.0	3
18	Finite element modeling for soft tissue surgery based on linear and nonlinear elasticity behavior. Computer Aided Surgery, 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.	0.5	1
21	Three-dimensional Finite Element Modeling of an Uterus Surgery. International Journal of Forming Processes, 2007, 10, 125-136.	0.3	0