

# Elisabete Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

152  
citations

1307594

7  
h-index

1372567

10  
g-index

17  
all docs

17  
docs citations

17  
times ranked

149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on the influence of the fetus head molding on the biomechanical behavior of the pelvic floor muscles, during vaginal delivery. <i>Journal of Biomechanics</i> , 2015, 48, 1600-1605.	2.1	39
2	Biomechanical properties of the pelvic floor muscles of continent and incontinent women using an inverse finite element analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 842-852.	1.6	24
3	Establishing the biomechanical properties of the pelvic soft tissues through an inverse finite element analysis using magnetic resonance imaging. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2016, 230, 298-309.	1.8	23
4	Characterization of the passive and active material parameters of the pubovisceralis muscle using an inverse numerical method. <i>Journal of Biomechanics</i> , 2018, 71, 100-110.	2.1	13
5	Pubovisceralis Muscle Fiber Architecture Determination: Comparison Between Biomechanical Modeling and Diffusion Tensor Imaging. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1255-1265.	2.5	11
6	On the Stiffness of the Mesh and Urethral Mobility: A Finite Element Analysis. <i>Journal of Biomechanical Engineering</i> , 2017, 139, .	1.3	10
7	Characterizing the Biomechanical Properties of the Pubovisceralis Muscle Using a Genetic Algorithm and the Finite Element Method. <i>Journal of Biomechanical Engineering</i> , 2019, 141, .	1.3	10
8	Effect of mesh anchoring technique in uterine prolapse repair surgery: A finite element analysis. <i>Journal of Biomechanics</i> , 2021, 127, 110649.	2.1	8
9	THE INFLUENCE OF PELVIC ORGAN PROLAPSE ON THE PASSIVE BIOMECHANICAL PROPERTIES OF PELVIC FLOOR MUSCLES. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750090.	0.7	7
10	Simulation of vaginal uterosacral ligament suspension damage, mimicking a mesh-augmented apical prolapse repair. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2022, 236, 573-582.	1.8	5
11	Biomechanical study of a fetus during a vaginal delivery. , 2013, , .		1
12	Using an inverse method for optimizing the material constants of the Mooney-Rivlin constitutive model. , 2015, , .		1
13	STUDY ON THE INFLUENCE OF THE FETUS HEAD MOLDING DURING VAGINAL DELIVERY ON THE BIOMECHANICAL BEHAVIOR OF THE PELVIC FLOOR. <i>Journal of Biomechanics</i> , 2012, 45, S70.	2.1	0
14	Characterization of the biomechanical properties of the pubovisceralis muscle of two women " One with pelvic organ prolapse and other without pathology. , 2017, , .		0
15	Variation of elasticity in the pelvic floor muscles for incontinent and prolapsed women. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2017, 211, 203.	1.1	0
16	Searching for the Tissue Mechanical Properties in Pelvic Floor Dysfunction by Computational Modeling. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 203-215.	0.5	0
17	Cog Threads for Transvaginal Prolapse Repair: Ex-Vivo Studies of a Novel Concept. <i>Surgeries</i> , 2022, 3, 101-110.	0.6	0