

# Juan Alfonso Beltr n-Fern ndez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10555293/publications.pdf>

Version: 2024-02-01

8  
papers

41  
citations

2258059

3  
h-index

2053705

5  
g-index

8  
all docs

8  
docs citations

8  
times ranked

20  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanics and Numerical Evaluation of Cervical Porcine Models Considering Compressive Loads Using 2-D Classic Computer Tomography CT, 3-D Scanner and 3 -D Computed Tomography. Applied Mechanics and Materials, 0, 24-25, 287-295.	0.2	13
2	Modelling of a Cervical Plate and Human Cervical Section C3 â€“ C5 under Compression Loading Conditions Using the Finite Element Method. Applied Mechanics and Materials, 2008, 13-14, 49-56.	0.2	9
3	Biomechanical Characterization of a Cervical Corporectomy Using Porcine Specimens, Following an Experimental Approach. Key Engineering Materials, 2011, 478, 103-111.	0.4	8
4	Evaluation of the Structural Integrity of the Jet Pumps of a Boiling Water Reactor under Hydrodynamic Loading. Defect and Diffusion Forum, 0, 348, 261-270.	0.4	6
5	Design and Characterization of a Mandibular Prosthesis Prototype by Hemimandibulectomy. Advanced Structured Materials, 2019, , 313-343.	0.5	3
6	Determination of the Mechanical Properties of Lumbar Porcine Vertebrae with 2D Digital Image Correlation. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 195-200.	1.6	1
7	Design and Manufacture of a Prototype of a Testing Rig for the Evaluation of the Biomechanical Behavior of Vertebrae. Advanced Structured Materials, 2014, , 121-134.	0.5	1
8	Simulation of the Acoustic Loads Generated in the Intersection of a Main Steam Line and its Safety Relief Valve Branch of a BWR Plant under Extended Power Uprate Condition. Defect and Diffusion Forum, 0, 362, 190-199.	0.4	0