

# Naiara Rodriguez-Florez

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

782  
citations

566801

15  
h-index

525886

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of three-dimensional scanner systems for craniomaxillofacial imaging. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017, 70, 441-449.	0.5	147
2	Insight into differences in nanoindentation properties of bone. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 18, 90-99.	1.5	94
3	An Investigation of the Mineral in Ductile and Brittle Cortical Mouse Bone. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 786-795.	3.1	47
4	Spring-Assisted Cranioplasty for the Correction of Nonsyndromic Scaphocephaly: A Quantitative Analysis of 100 Consecutive Cases. <i>Plastic and Reconstructive Surgery</i> , 2017, 140, 125-134.	0.7	46
5	Analytical model for the prediction of permeability of triply periodic minimal surfaces. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 124, 104804.	1.5	44
6	Three-Dimensional Handheld Scanning to Quantify Head-Shape Changes in Spring-Assisted Surgery for Sagittal Craniosynostosis. <i>Journal of Craniofacial Surgery</i> , 2016, 27, 2117-2123.	0.3	42
7	A novel soft tissue prediction methodology for orthognathic surgery based on probabilistic finite element modelling. <i>PLoS ONE</i> , 2018, 13, e0197209.	1.1	38
8	Intracranial Volume and Head Circumference in Children with Unoperated Syndromic Craniosynostosis. <i>Plastic and Reconstructive Surgery</i> , 2018, 142, 708e-717e.	0.7	33
9	Three-dimensional surface scanners compared with standard anthropometric measurements for head shape. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 921-927.	0.7	31
10	Quantifying the effect of corrective surgery for trigonocephaly: A non-invasive, non-ionizing method using three-dimensional handheld scanning and statistical shape modelling. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 387-394.	0.7	30
11	Intracranial Volume Measurement: A Systematic Review and Comparison of Different Techniques. <i>Journal of Craniofacial Surgery</i> , 2017, 28, 1746-1751.	0.3	26
12	Assessment of spring cranioplasty biomechanics in sagittal craniosynostosis patients. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 20, 400-409.	0.8	25
13	Studies of chain substitution caused sub-fibril level differences in stiffness and ultrastructure of wildtype and oim/oim collagen fibers using multifrequency-AFM and molecular modeling. <i>Biomaterials</i> , 2016, 107, 15-22.	5.7	24
14	Spring assisted cranioplasty: A patient specific computational model. <i>Medical Engineering and Physics</i> , 2018, 53, 58-65.	0.8	23
15	Statistical shape modelling to aid surgical planning: associations between surgical parameters and head shapes following spring-assisted cranioplasty. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 1739-1749.	1.7	19
16	Age-related changes in mouse bone permeability. <i>Journal of Biomechanics</i> , 2014, 47, 1110-1116.	0.9	18
17	Statistical shape modelling for the analysis of head shape variations. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2021, 49, 449-455.	0.7	15
18	The use of XFEM to assess the influence of intra-cortical porosity on crack propagation. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 385-392.	0.9	13

#	ARTICLE	IF	CITATIONS
19	Cranial bone structure in children with sagittal craniosynostosis: Relationship with surgical outcomes. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2017, 70, 1589-1597.	0.5	12
20	Results Following Adoption of a Modified Melbourne Technique of Total Scaphocephaly Correction. <i>Journal of Craniofacial Surgery</i> , 2018, 29, 1117-1122.	0.3	10
21	A population-specific material model for sagittal craniosynostosis to predict surgical shape outcomes. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 1319-1329.	1.4	10
22	Three-dimensional environment and vascularization induce osteogenic maturation of human adipose-derived stem cells comparable to that of bone-derived progenitors. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1651-1666.	1.6	9
23	Lack of association of cranial lacunae with intracranial hypertension in children with Crouzon syndrome and Apert syndrome: a 3D morphometric quantitative analysis. <i>Child's Nervous System</i> , 2019, 35, 501-507.	0.6	6
24	Investigating the cause of late deformity following fronto-orbital remodelling for metopic synostosis using 3D CT imaging. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2019, 47, 170-178.	0.7	6
25	Three-Dimensional Calvarial Growth in Spring-Assisted Cranioplasty for Correction of Sagittal Synostosis. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2084-2087.	0.3	4
26	Mechanical and morphological properties of parietal bone in patients with sagittal craniosynostosis. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 125, 104929.	1.5	4
27	Critical analysis of the suitability of crack propagation direction criteria for 2D cylindrical plain fretting contact. <i>Engineering Fracture Mechanics</i> , 2019, 214, 534-543.	2.0	3
28	The Science Behind the Springs: Using Biomechanics and Finite Element Modeling to Predict Outcomes in Spring-Assisted Sagittal Synostosis Surgery. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 2074-2078.	0.3	2
29	Multi-Scale Permeability of Murine Bone Measured by Nanoindentation. , 2013, , .		1