

# Jingheng Shu

## List of Publications by Year in descending order

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21  
papers

194  
citations

1163117

8  
h-index

1199594

12  
g-index

21  
all docs

21  
docs citations

21  
times ranked

35  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomechanical behaviour of temporomandibular joints during opening and closing of the mouth: A 3D finite element analysis. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3373.	2.1	24
2	The Biomechanical Effects of Sagittal Split Ramus Osteotomy on Temporomandibular Joint. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 617-624.	1.6	20
3	Biomechanical comparison of temporomandibular joints after orthognathic surgery before and after design optimization. <i>Medical Engineering and Physics</i> , 2019, 68, 11-16.	1.7	18
4	Effects on loads in temporomandibular joints for patients with mandibular asymmetry before and after orthognathic surgeries under the unilateral molar clenching. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 533-541.	2.8	18
5	Morphological study of the changes after sagittal split ramus osteotomy in patients with facial asymmetry: measurements of 3-dimensional modelling. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2018, 56, 925-930.	0.8	16
6	3D Printing Experimental Validation of the Finite Element Analysis of the Maxillofacial Model. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 694140.	4.1	16
7	Biomechanical responses of temporomandibular joints during the lateral protrusions: A 3D finite element study. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 195, 105671.	4.7	14
8	Biomechanical analysis of temporomandibular joints during mandibular protrusion and retraction motions: A 3d finite element simulation. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 208, 106299.	4.7	12
9	Effect of sagittal split ramus osteotomy on stress distribution of temporomandibular joints in patients with mandibular prognathism under symmetric occlusions. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2020, 23, 1297-1305.	1.6	10
10	Mathematical analysis of the condylar trajectories in asymptomatic subjects during mandibular motions. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 901-911.	2.8	8
11	Soft Defect-Tolerant Material Inspired by American Lobsters. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26509-26514.	8.0	5
12	Temporomandibular condylar articulation and finite helical axis determination using a motion tracking system. <i>Medical Engineering and Physics</i> , 2021, 94, 80-86.	1.7	5
13	Impact of mandibular prognathism on morphology and loadings in temporomandibular joints. <i>Biomedizinische Technik</i> , 2021, 66, 81-89.	0.8	5
14	High-Performance Crack-Resistant Elastomer with Tunable $\infty$ -Shaped $\sigma$ -Strain Behavior Inspired by the Brown Pelican. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22489-22496.	8.0	5
15	In vivo biomechanical effects of maximal mouth opening on the temporomandibular joints and their relationship to morphology and kinematics. <i>Journal of Biomechanics</i> , 2022, 141, 111175.	2.1	5
16	Three-dimensional finite element analysis of temporomandibular joints in patients with jaw deformity during unilateral molar clenching before and after orthognathic surgery. <i>Medicine (United States)</i> , 2021, 100, e24540.	1.0	4
17	The relations between the stress in temporomandibular joints and the deviated distances for mandibular asymmetric patients. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 109-116.	1.8	3
18	Three-dimensional morphological and biomechanical analysis of temporomandibular joint in mandibular and bi-maxillary osteotomies. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2021, , 1-9.	1.6	3

#	ARTICLE	IF	CITATIONS
19	Biomechanical effects of high acceleration on the temporomandibular joint. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 333-341.	1.6	2
20	THE BIOMECHANICAL COMPARISONS OF DIFFERENT PERIODONTAL CONDITIONS UNDER THE DIFFERENT EXTRACORONAL PRECISION ATTACHMENT RESTORATIONS FOR THE MANDIBULAR KENNEDY I DENTITION DEFECT. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 2050019.	0.7	1
21	Biomechanical study on the changes of stress in temporomandibular joints after the orthognathic surgery in patients with mandibular prognathism: a 3D finite element study. <i>Acta of Bioengineering and Biomechanics</i> , 2020, 22, 155-163.	0.4	0