

Sagar Umale

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11605136/publications.pdf>

Version: 2024-02-01

13
papers

240
citations

1684188

5
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

354
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental mechanical characterization of abdominal organs: liver, kidney & spleen. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 17, 22-33.	3.1	108
2	Experimental in vitro mechanical characterization of porcine Glisson's capsule and hepatic veins. Journal of Biomechanics, 2011, 44, 1678-1683.	2.1	47
3	Rate-dependent fracture characteristics of lumbar vertebral bodies. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 41, 271-279.	3.1	20
4	Fatigue responses of the human cervical spine intervertebral discs. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 69, 30-38.	3.1	15
5	Evaluation of kinematics and injuries to restrained occupants in far-side crashes using full-scale vehicle and human body models. Traffic Injury Prevention, 2016, 17, 116-123.	1.4	14
6	Development and validation of osteoligamentous lumbar spine under complex loading conditions: A step towards patient-specific modeling. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 110, 103898.	3.1	7
7	A biomechanical investigation of lumbar interbody fusion techniques. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104961.	3.1	7
8	Mechanisms of Cervical Spine Disc Injury under Cyclic Loading. Asian Spine Journal, 2018, 12, 910-918.	2.0	6
9	Effectiveness of center-mounted airbag in far-side impacts based on THOR sled tests. Traffic Injury Prevention, 2019, 20, 726-731.	1.4	6
10	Experimental and finite element analysis for prediction of kidney injury under blunt impact. Journal of Biomechanics, 2017, 52, 2-10.	2.1	4
11	Factors influencing the effectiveness of occupant retention under far-side impacts: A parametric study. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 84, 235-248.	3.1	4
12	Development and validation of an elderly human body model for frontal impacts. Traffic Injury Prevention, 2020, 21, S147-S149.	1.4	2
13	Effects of Personal Protective Equipment on Spinal Column Loads From Underbody Blast Loading. , 2021, , .		0