

# Hui Zhao

## List of Publications by Year in descending order

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28  
papers

355  
citations

1040056

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h-index

839539

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29  
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29  
docs citations

29  
times ranked

547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrastretchable Fiber Sensor with High Sensitivity in Whole Workable Range for Wearable Electronics and Implantable Medicine. <i>Advanced Science</i> , 2018, 5, 1800558.	11.2	119
2	Resection or degeneration of uncovertebral joints altered the segmental kinematics and load-sharing pattern of subaxial cervical spine: A biomechanical investigation using a C2-T1 finite element model. <i>Journal of Biomechanics</i> , 2016, 49, 2854-2862.	2.1	33
3	An Investigation on the Head Injuries of Adult Pedestrians by Passenger Cars in China. <i>Traffic Injury Prevention</i> , 2013, 14, 712-717.	1.4	26
4	Investigation of 184 passenger car-pedestrian accidents. <i>International Journal of Crashworthiness</i> , 2010, 15, 313-320.	1.9	23
5	Comparison of injuries sustained by drivers and pillion passengers in fatal head-on motorcycle collision accidents. <i>Forensic Science International</i> , 2011, 207, 188-192.	2.2	22
6	Analysis of 121 fatal passenger car-adult pedestrian accidents in China. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2014, 27, 76-81.	1.0	14
7	Material Properties and Constitutive Modeling of Infant Porcine Cerebellum Tissue in Tension at High Strain Rate. <i>PLoS ONE</i> , 2015, 10, e0123506.	2.5	13
8	Mechanical Characterization of Immature Porcine Brainstem in Tension at Dynamic Strain Rates. <i>Medical Science Monitor Basic Research</i> , 2016, 22, 6-13.	2.6	13
9	Effect of Low-Frequency Vibration on Muscle Response under Different Neurointact Conditions. <i>Applied Bionics and Biomechanics</i> , 2019, 2019, 1-10.	1.1	12
10	Study on pedestrian thorax injury in vehicle-to-pedestrian collisions using finite element analysis. <i>Chinese Journal of Traumatology - English Edition</i> , 2015, 18, 74-80.	1.4	9
11	An experimental study on the early diagnosis of traumatic brain injury in rabbits based on a noncontact and portable system. <i>PeerJ</i> , 2019, 7, e6717.	2.0	9
12	Biomechanics of anterior plating failure in treating distractive flexion injury in the caudal subaxial cervical spine. <i>Clinical Biomechanics</i> , 2017, 50, 130-138.	1.2	8
13	Preliminary study on alterations of altitude road traffic in China from 2006 to 2013. <i>PLoS ONE</i> , 2017, 12, e0171090.	2.5	8
14	Novel graded traumatic brain injury model in rats induced by closed head impacts. <i>Neuropathology</i> , 2018, 38, 484-492.	1.2	7
15	INVESTIGATION OF THE CAVITATION AND PRESSURE CHANGE OF BRAIN TISSUE BASED ON A TRANSPARENT HEAD MODEL IN ITS DECELERATING IMPACT. <i>Journal of Mechanics in Medicine and Biology</i> , 2010, 10, 361-372.	0.7	6
16	A comparative study of thin-layer cross-sectional anatomic morphology and CT images of the basal cistern and its application in acute craniocerebral traumas. <i>Surgical and Radiologic Anatomy</i> , 2009, 31, 129-138.	1.2	5
17	Realistic Reference for Evaluation of Vehicle Safety Focusing on Pedestrian Head Protection Observed From Kinematic Reconstruction of Real-World Collisions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 768994.	4.1	5
18	The Experimental and Case Study of Needle Marks on the Speedometer as the Physical Evidence for the Collision Speed Analysis*. <i>Journal of Forensic Sciences</i> , 2012, 57, 772-777.	1.6	4

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19	A study on adult pedestrian severe injuries and fatalities induced by passenger cars in Chongqing, China. <i>International Journal of Vehicle Safety</i> , 2015, 8, 180.	0.2	4
20	Effects of altitude changes on mild to moderate closed head injury in rats following acute high altitude exposure. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 847-856.	1.8	4
21	Investigation of head injuries suffered by pedestrians in traffic accidents via videos. <i>International Journal of Crashworthiness</i> , 2020, 25, 680-688.	1.9	4
22	Analysis of 86 fatal motorcycle frontal crashes in Chongqing, China. <i>Chinese Journal of Traumatology - English Edition</i> , 2012, 15, 170-4.	1.4	4
23	Multiband Techniques of LED and UV Materials on Visualization of Needle Marks. <i>Advanced Materials Research</i> , 2012, 463-464, 1382-1386.	0.3	1
24	Experimental Study of Thoracoabdominal Injuries Suffered from Caudocephalad Impacts Using Pigs. <i>Applied Bionics and Biomechanics</i> , 2018, 2018, 1-10.	1.1	1
25	Noncontrast and perfusion CT provides accurate assessment of head deceleration injury. <i>Turkish Neurosurgery</i> , 2011, 21, 127-34.	0.2	1
26	The Research on Mechanism of Contre-Coup Injury in Brain Decelerating Impact Based on Trolley Experiment. <i>Applied Mechanics and Materials</i> , 0, 394, 617-621.	0.2	0
27	Biomechanical Responses and Injury Characteristics of Knee Joints under Longitudinal Impacts of Different Velocities. <i>Applied Bionics and Biomechanics</i> , 2018, 2018, 1-11.	1.1	0
28	A study of thoracoabdominal injury of immature pigs restrained by various belts in front crashes. <i>International Journal of Crashworthiness</i> , 2019, 24, 499-507.	1.9	0