

Hui Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

355
citations

1040056

9
h-index

839539

18
g-index

29
all docs

29
docs citations

29
times ranked

547
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Novel graded traumatic brain injury model in rats induced by closed head impacts. <i>Neuropathology</i> , 2018, 38, 484-492. | 1.2 | 7 |
| 8 | Experimental Study of Thoracoabdominal Injuries Suffered from Caudocephalad Impacts Using Pigs. <i>Applied Bionics and Biomechanics</i> , 2018, 2018, 1-10. | 1.1 | 1 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Preliminary study on alterations of altitude road traffic in China from 2006 to 2013. <i>PLoS ONE</i> , 2017, 12, e0171090. | 2.5 | 8 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | An Investigation on the Head Injuries of Adult Pedestrians by Passenger Cars in China. Traffic Injury Prevention, 2013, 14, 712-717. | 1.4 | 26 |
| 20 | Multiband Techniques of LED and UV Materials on Visualization of Needle Marks. Advanced Materials Research, 2012, 463-464, 1382-1386. | 0.3 | 1 |
| 21 | The Experimental and Case Study of Needle Marks on the Speedometer as the Physical Evidence for the Collision Speed Analysis*. Journal of Forensic Sciences, 2012, 57, 772-777. | 1.6 | 4 |
| 22 | Analysis of 86 fatal motorcycle frontal crashes in Chongqing, China. Chinese Journal of Traumatology - English Edition, 2012, 15, 170-4. | 1.4 | 4 |
| 23 | Comparison of injuries sustained by drivers and pillion passengers in fatal head-on motorcycle collision accidents. Forensic Science International, 2011, 207, 188-192. | 2.2 | 22 |
| 24 | Noncontrast and perfusion CT provides accurate assessment of head deceleration injury. Turkish Neurosurgery, 2011, 21, 127-34. | 0.2 | 1 |
| 25 | INVESTIGATION OF THE CAVITATION AND PRESSURE CHANGE OF BRAIN TISSUE BASED ON A TRANSPARENT HEAD MODEL IN ITS DECELERATING IMPACT. Journal of Mechanics in Medicine and Biology, 2010, 10, 361-372. | 0.7 | 6 |
| 26 | Investigation of 184 passenger carâ€pedestrian accidents. International Journal of Crashworthiness, 2010, 15, 313-320. | 1.9 | 23 |
| 27 | A comparative study of thin-layer cross-sectional anatomic morphology and CT images of the basal cistern and its application in acute craniocerebral traumas. Surgical and Radiologic Anatomy, 2009, 31, 129-138. | 1.2 | 5 |
| 28 | The Research on Mechanism of Contre-Coup Injury in Brain Decelerating Impact Based on Trolley Experiment. Applied Mechanics and Materials, 0, 394, 617-621. | 0.2 | 0 |