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## A New Assessment of Bicycle Helmets: The Brain Injury Mitigation Effects of New Technologies in Oblique Impacts

DOI: 10.1007/s10439-021-02785-0

Annals of Biomedical Engineering, 2021, 49, 2716-2733.

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**Version:** 2024-04-23

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19	An Overview of the Effectiveness of Bicycle Helmet Designs in Impact Testing. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 718407	5.8	3
18	Computational prediction of head-ground impact kinematics in e-scooter falls.. <i>Accident Analysis and Prevention</i> , <b>2022</b> , 167, 106567	6.1	4
17	The relationship between road traffic collision dynamics and traumatic brain injury pathology.. <i>Brain Communications</i> , <b>2022</b> , 4, fcac033	4.5	2
16	Incorporating neck biomechanics in helmet testing: Evaluation of commercially available WaveCel helmets.. <i>Clinical Biomechanics</i> , <b>2022</b> , 94, 105628	2.2	0
15	The Effect of MIPS, Headform Condition, and Impact Orientation on Headform Kinematics Across a Range of Impact Speeds During Oblique Bicycle Helmet Impacts.. <i>Annals of Biomedical Engineering</i> , <b>2022</b> , 1	4.7	0
14	Evaluation of two rotational helmet technologies to decrease peak rotational acceleration in cycling helmets.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7735	4.9	0
13	Bicycle-related cervical spine injuries.. <i>North American Spine Society Journal (NASSJ)</i> , <b>2022</b> , 10, 100119	0.3	
12	2022 Athanasiou Student and Post-Doc Awards. <i>Annals of Biomedical Engineering</i> ,	4.7	
11	Special Issue: Concussions. <i>Annals of Biomedical Engineering</i> ,	4.7	
10	Effect of helmet design on impact performance of industrial safety helmets. <i>Heliyon</i> , <b>2022</b> , e09962	3.6	0
9	Use of Brain Biomechanical Models for Monitoring Impact Exposure in Contact Sports. <i>Annals of Biomedical Engineering</i> ,	4.7	0
8	Drop Test Kinematics Using Varied Impact Surfaces and Head/Neck Configurations for Rugby Headgear Testing.		
7	Head responses subjected to frontal translational acceleration loads. <b>2022</b> , 231, 107598		1
6	Oblique impact responses of Hybrid III and a new headform with more biofidelic coefficient of friction and moments of inertia. 10,		1
5	Neurotrauma Prevention Review: Improving Helmet Design and Implementation. <b>2022</b> , 2, 500-512		0
4	Whitewater Helmet STAR: Evaluation of the Biomechanical Performance and Risk of Head Injury for Whitewater Helmets.		1
3	MEASUREMENT EFFICIENCY OF AN INSTRUMENTED MOUTHGUARD UNDER A LARGE RANGE OF HEAD ACCELERATIONS AND THE EFFECTS OF FILTERING.		0

2 In-Depth Bicycle Collision Reconstruction: From a Crash Helmet to Brain Injury Evaluation. **2023**, 10, 317 ○

1 A Review of Cyclist Head Injury, Impact Characteristics and the Implications for Helmet Assessment Methods. ○