Taewung Kim

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/77777/publications.pdf

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16	151	1163117 8	1199594 12
papers	citations	h-index	g-index

16	16	16	144
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Is optimized restraint system for an occupant with obesity different than that for a normal BMI occupant?. Traffic Injury Prevention, 2021, 22, 623-628.	1.4	4
2	Monte carlo method for estimating whole-body injury metrics from pedestrian impact simulation results. Accident Analysis and Prevention, 2020, 147, 105761.	5.7	9
3	Methods of updating body orientation in crash scenarios based on bodyâ€™s local angular rate. Measurement Science and Technology, 2019, 30, 105001.	2.6	1
4	Injury risk functions based on population-based finite element model responses: Application to femurs under dynamic three-point bending. Traffic Injury Prevention, 2018, 19, S59-S64.	1.4	0
5	Improvement of lateral shoulder impact response of a multi-body pedestrian model. International Journal of Crashworthiness, 2018, 23, 134-143.	1.9	1
6	Prediction of the structural response of the femoral shaft under dynamic loading using subject-specific finite element models. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 1151-1166.	1.6	15
7	Evaluation of biofidelity of THUMS pedestrian model under a whole-body impact conditions with a generic sedan buck. Traffic Injury Prevention, 2017, 18, S148-S154.	1.4	22
8	Evaluation of biofidelity and repeatability of THOR-Lx metric under axial impact loading. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1027-1034.	2.2	2
9	Identification of characteristics and frequent scenarios of single-vehicle rollover crashes during pre-ballistic phase; part 1 â€“ A descriptive study. Accident Analysis and Prevention, 2017, 107, 31-39.	5.7	5
10	Biofidelity evaluation of WorldSID and ES-2re under side impact conditions with and without airbag. Accident Analysis and Prevention, 2016, 90, 140-151.	5.7	10
11	Validation of Shoulder Response of Human Body Finite-Element Model (GHBMC) Under Whole Body Lateral Impact Condition. Annals of Biomedical Engineering, 2016, 44, 2558-2576.	2.5	12
12	Comparison of two scaling approaches for the development of biomechanical multi-body human models. Multibody System Dynamics, 2016, 38, 297-316.	2.7	6
13	A Novel Algorithm for Crash Detection Under General Road Scenes Using Crash Probabilities and an Interactive Multiple Model Particle Filter. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2480-2490.	8.0	26
14	The Contribution of Pre-impact Spine Posture on Human Body Model Response in Whole-body Side Impact. Stapp Car Crash Journal, 2014, 58, 385-422.	1.1	8
15	Evaluation of methods for the development of representative responses and corridors fromÂbiomechanical data using mechanical models. International Journal of Crashworthiness, 2013, 18, 633-646.	1.9	5
16	Crash Probability and Error Rates for Head-On Collisions Based on Stochastic Analyses. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 896-904.	8.0	25