Kwong Ming Tse

List of Publications by Year
in descending order

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41	863	516710 16	501196 28
papers	citations	h-index	g-index

42	42	42	1050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of hemodynamics in the development of dissecting aneurysm within patient-specific dissecting aneurismal aortas using computational fluid dynamics (CFD) simulations. Journal of Biomechanics, 2011, 44, 827-836.	2.1	180
2	Performance of an advanced combat helmet with different interior cushioning systems in ballistic impact: Experiments and finite element simulations. International Journal of Impact Engineering, 2012, 50, 99-112.	5.0	75
3	A computational fluid dynamics study on geometrical influence of the aorta on haemodynamics. European Journal of Cardio-thoracic Surgery, 2013, 43, 829-838.	1.4	49
4	Development of a Finite Element Head Model for the Study of Impact Head Injury. BioMed Research International, 2014, 2014, 1-14.	1.9	45
5	Energy absorption of muscle-inspired hierarchical structure: Experimental investigation. Composite Structures, 2019, 226, 111250.	5.8	42
6	Electronic waste generation, economic values, distribution map, and possible recycling system in Indonesia. Journal of Cleaner Production, 2021, 293, 126096.	9.3	40
7	Biomechanics of the deformity of septal Lâ€Struts. Laryngoscope, 2010, 120, 1508-1515.	2.0	36
8	Material characterization of filament-wound composite pipes. Composite Structures, 2018, 206, 474-483.	5.8	35
9	Development and validation of two subjectâ€specific finite element models of human head against three cadaveric experiments. International Journal for Numerical Methods in Biomedical Engineering, 2014, 30, 397-415.	2.1	34
10	Lumbar model generator: a tool for the automated generation of a parametric scalable model of the lumbar spine. Journal of the Royal Society Interface, 2018, 15, 20170829.	3.4	30
11	Effect of full helmet systems on human head responses under blast loading. Materials and Design, 2017, 117, 58-71.	7.0	27
12	Effect of helmet liner systems and impact directions on severity of head injuries sustained in ballistic impacts: a finite element (FE) study. Medical and Biological Engineering and Computing, 2017, 55, 641-662.	2.8	25
13	Investigation of the relationship between facial injuries and traumatic brain injuries using a realistic subject-specific finite element head model. Accident Analysis and Prevention, 2015, 79, 13-32.	5.7	21
14	The influence of rotator cuff tears on muscle and jointâ€contact loading after reverse total shoulder arthroplasty. Journal of Orthopaedic Research, 2019, 37, 211-219.	2.3	19
15	Recent bicycle helmet designs and directions for future research: A comprehensive review from material and structural mechanics aspects. International Journal of Impact Engineering, 2022, 168, 104317.	5.0	19
16	What can artificial intelligence and machine learning tell us? A review of applications to equine biomechanical research. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104728.	3.1	18
17	Dynamic compressive behaviour of shear thickening fluid-filled honeycomb. International Journal of Mechanical Sciences, 2022, 229, 107493.	6.7	17
18	Impact of complex blast waves on the human head: a computational study. International Journal for Numerical Methods in Biomedical Engineering, 2014, 30, 1476-1505.	2.1	16

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19	Do shapes and dimensions of scleral flap and sclerostomy influence aqueous outflow in trabeculectomy? A finite element simulation approach. British Journal of Ophthalmology, 2012, 96, 432-437.	3.9	15
20	Computer-Aided Design and Rapid Prototypingâ€“Assisted Contouring of Costal Cartilage Graft for Facial Reconstructive Surgery. Craniomaxillofacial Trauma & Reconstruction, 2012, 5, 75-81.	1.3	14
21	A computational study of the EN 1078 impact test for bicycle helmets using a realistic subject-specific finite element head model. Computer Methods in Biomechanics and Biomedical Engineering, 2018, 21, 684-692.	1.6	14
22	A Review on Damage and Rupture Modelling for Soft Tissues. Bioengineering, 2022, 9, 26.	3.5	13
23	Conventional and complex modal analyses of a finite element model of human head and neck. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 961-973.	1.6	11
24	Load response of an osseointegrated implant used in the treatment of unilateral transfemoral amputation: An early implant loosening case study. Clinical Biomechanics, 2020, 73, 201-212.	1.2	9
25	The role of a composite polycarbonate-aerogel face shield in protecting the human brain from blast-induced injury: A fluidâ€“structure interaction (FSI) study. Journal of Sandwich Structures and Materials, 2019, 21, 2484-2511.	3.5	8
26	Face shield design against blastâ€induced head injuries. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2884.	2.1	7
27	Feasibility of using computer simulation to predict the postoperative outcome of the minimally invasive Nuss procedure: Simulation prediction vs. postoperative clinical observation. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2018, 71, 1496-1506.	1.0	6
28	Effect of sitting posture on pelvic injury risk under vertical loading. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 108, 103780.	3.1	6
29	A Biomechanical Evaluation of a Novel Airbag Bicycle Helmet Concept for Traumatic Brain Injury Mitigation. Bioengineering, 2021, 8, 173.	3.5	6
30	Mechanical response of femur bone to bending load using finite element method. , 2014, , .		5
31	Numerical and experimental study of the dynamic response of dry fine sand under moderate speed impacts. International Journal of Impact Engineering, 2019, 130, 239-246.	5.0	4
32	Specimen-specific fracture risk curves of lumbar vertebrae under dynamic axial compression. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 118, 104457.	3.1	4
33	Modal and dynamic responses of the human head-neck complex for impact applications. Journal of Vibroengineering, 2016, 18, 4743-4755.	1.0	4
34	Hydrothermal Synthesis, Crystal Structures, and Luminescent Properties of Two Cadmium(II) Coordination Polymers Based on Dicarboxylate and Imidazoleâ€Containing Coligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 601-605.	1.2	3
35	Cortical and Trabecular Bone Fracture Characterisation in the Vertebral Body Using Acoustic Emission. Annals of Biomedical Engineering, 2019, 47, 2384-2401.	2.5	3
36	Occlusion of the lumbar spine canal during high-rate axial compression. Spine Journal, 2020, 20, 1692-1704.	1.3	2

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37	Will a buried composite pipeline system fail at its joints under the effects of overburden soil, pipe operating pressurization, and traffic loads?. Journal of Composite Materials, 2020, 54, 2433-2448.	2.4	1
38	Similar Fracture Patterns in Human Nose and Gothic Cathedral. Facial Plastic Surgery, 2015, 31, 553-560.	0.9	0
39	A Realistic Subject-Specific Finite Element Model of Human Head-Development and Experimental Validation. IFMBE Proceedings, 2014, , 307-310.	0.3	0
40	The Skull and Brain. , 2017, , 175-220.		0
41	The Neck. , 2017, , 221-262.		0