

# Kwong Ming Tse

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

863  
citations

516215

16  
h-index

500791

28  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of hemodynamics in the development of dissecting aneurysm within patient-specific dissecting aneurysmal aortas using computational fluid dynamics (CFD) simulations. <i>Journal of Biomechanics</i> , 2011, 44, 827-836.	0.9	180
2	Performance of an advanced combat helmet with different interior cushioning systems in ballistic impact: Experiments and finite element simulations. <i>International Journal of Impact Engineering</i> , 2012, 50, 99-112.	2.4	75
3	A computational fluid dynamics study on geometrical influence of the aorta on haemodynamics. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 829-838.	0.6	49
4	Development of a Finite Element Head Model for the Study of Impact Head Injury. <i>BioMed Research International</i> , 2014, 2014, 1-14.	0.9	45
5	Energy absorption of muscle-inspired hierarchical structure: Experimental investigation. <i>Composite Structures</i> , 2019, 226, 111250.	3.1	42
6	Electronic waste generation, economic values, distribution map, and possible recycling system in Indonesia. <i>Journal of Cleaner Production</i> , 2021, 293, 126096.	4.6	40
7	Biomechanics of the deformity of septal Lâ€™struts. <i>Laryngoscope</i> , 2010, 120, 1508-1515.	1.1	36
8	Material characterization of filament-wound composite pipes. <i>Composite Structures</i> , 2018, 206, 474-483.	3.1	35
9	Development and validation of two subjectâ€™specific finite element models of human head against three cadaveric experiments. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014, 30, 397-415.	1.0	34
10	Lumbar model generator: a tool for the automated generation of a parametric scalable model of the lumbar spine. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170829.	1.5	30
11	Effect of full helmet systems on human head responses under blast loading. <i>Materials and Design</i> , 2017, 117, 58-71.	3.3	27
12	Effect of helmet liner systems and impact directions on severity of head injuries sustained in ballistic impacts: a finite element (FE) study. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 641-662.	1.6	25
13	Investigation of the relationship between facial injuries and traumatic brain injuries using a realistic subject-specific finite element head model. <i>Accident Analysis and Prevention</i> , 2015, 79, 13-32.	3.0	21
14	The influence of rotator cuff tears on muscle and jointâ€™contact loading after reverse total shoulder arthroplasty. <i>Journal of Orthopaedic Research</i> , 2019, 37, 211-219.	1.2	19
15	Recent bicycle helmet designs and directions for future research: A comprehensive review from material and structural mechanics aspects. <i>International Journal of Impact Engineering</i> , 2022, 168, 104317.	2.4	19
16	What can artificial intelligence and machine learning tell us? A review of applications to equine biomechanical research. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 123, 104728.	1.5	18
17	Dynamic compressive behaviour of shear thickening fluid-filled honeycomb. <i>International Journal of Mechanical Sciences</i> , 2022, 229, 107493.	3.6	17
18	Impact of complex blast waves on the human head: a computational study. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2014, 30, 1476-1505.	1.0	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. <i>British Journal of Ophthalmology</i> , 2012, 96, 432-437.	2.1	15
20	Computer-Aided Design and Rapid Prototyping-Assisted Contouring of Costal Cartilage Graft for Facial Reconstructive Surgery. <i>Craniomaxillofacial Trauma &amp; Reconstruction</i> , 2012, 5, 75-81.	0.6	14
21	A computational study of the EN 1078 impact test for bicycle helmets using a realistic subject-specific finite element head model. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 684-692.	0.9	14
22	A Review on Damage and Rupture Modelling for Soft Tissues. <i>Bioengineering</i> , 2022, 9, 26.	1.6	13
23	Conventional and complex modal analyses of a finite element model of human head and neck. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 961-973.	0.9	11
24	Load response of an osseointegrated implant used in the treatment of unilateral transfemoral amputation: An early implant loosening case study. <i>Clinical Biomechanics</i> , 2020, 73, 201-212.	0.5	9
25	The role of a composite polycarbonate-aerogel face shield in protecting the human brain from blast-induced injury: A fluid-structure interaction (FSI) study. <i>Journal of Sandwich Structures and Materials</i> , 2019, 21, 2484-2511.	2.0	8
26	Face shield design against blast-induced head injuries. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017, 33, e2884.	1.0	7
27	Feasibility of using computer simulation to predict the postoperative outcome of the minimally invasive Nuss procedure: Simulation prediction vs. postoperative clinical observation. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2018, 71, 1496-1506.	0.5	6
28	Effect of sitting posture on pelvic injury risk under vertical loading. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103780.	1.5	6
29	A Biomechanical Evaluation of a Novel Airbag Bicycle Helmet Concept for Traumatic Brain Injury Mitigation. <i>Bioengineering</i> , 2021, 8, 173.	1.6	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. <i>International Journal of Impact Engineering</i> , 2019, 130, 239-246.	2.4	4
32	Specimen-specific fracture risk curves of lumbar vertebrae under dynamic axial compression. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 118, 104457.	1.5	4
33	Modal and dynamic responses of the human head-neck complex for impact applications. <i>Journal of Vibroengineering</i> , 2016, 18, 4743-4755.	0.5	4
34	Hydrothermal Synthesis, Crystal Structures, and Luminescent Properties of Two Cadmium(II) Coordination Polymers Based on Dicarboxylate and Imidazole-Containing Coligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 601-605.	0.6	3
35	Cortical and Trabecular Bone Fracture Characterisation in the Vertebral Body Using Acoustic Emission. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2384-2401.	1.3	3
36	Occlusion of the lumbar spine canal during high-rate axial compression. <i>Spine Journal</i> , 2020, 20, 1692-1704.	0.6	2

#	ARTICLE	IF	CITATIONS
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.	1.2	1
38	Similar Fracture Patterns in Human Nose and Gothic Cathedral. Facial Plastic Surgery, 2015, 31, 553-560.	0.5	0
39	A Realistic Subject-Specific Finite Element Model of Human Head-Development and Experimental Validation. IFMBE Proceedings, 2014, , 307-310.	0.2	0
40	The Skull and Brain. , 2017, , 175-220.		0
41	The Neck. , 2017, , 221-262.		0