Khairul Salleh Basaruddin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7088181/publications.pdf

Version: 2024-02-01

		1040056	1058476
68	263	9	14
papers	citations	h-index	g-index

71	71	71	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance analysis of entropy thresholding for successful image segmentation. Multimedia Tools and Applications, 2022, 81, 6433-6450.	3.9	8
2	Finite Element Prediction on Fracture Load of Femur with Osteogenesis Imperfecta under Various Loading Conditions. Applied Bionics and Biomechanics, 2022, 2022, 1-10.	1.1	3
3	A Review on Deep Convolutional Neural Network Architectures for Medical Image Segmentation. Lecture Notes in Electrical Engineering, 2022, , 973-978.	0.4	1
4	Effect of Image Thresholding on the Homogenized Properties of Trabecular Bone Model. Lecture Notes in Electrical Engineering, 2022, , 979-984.	0.4	0
5	Corrective Mechanism Aftermath Surgical Treatment of Spine Deformity due to Scoliosis: A Systematic Review of Finite Element Studies. BioMed Research International, 2022, 2022, 1-14.	1.9	2
6	Effects of Running Surface Stiffness on Three-Segment Foot Kinematics Responses with Different Shod Conditions. Applied Bionics and Biomechanics, 2021, 2021, 1-14.	1.1	2
7	Development and evaluation of a paediatric mid-thoracic spine finite element model. AIP Conference Proceedings, 2021, , .	0.4	1
8	Experimental Analysis of Fabricated Synthetic Midthoracic Paediatric Spine as Compared to the Porcine Spine Based on Range of Motion (ROM). Applied Bionics and Biomechanics, 2021, 2021, 1-10.	1.1	1
9	A Review on Edge Detection on Osteogenesis Imperfecta (OI) Image using Fuzzy Logic. Journal of Physics: Conference Series, 2021, 2071, 012040.	0.4	1
10	Finite Element Analysis on Tibia with Osteogenesis Imperfecta: The Influence of Incomplete Bone in Model Reconstruction. , 2020, , .		2
11	Effect of chewing and cutting condition for V-shape three-dimensional titanium miniplate for fixation of mandibular angle fractures (MAFs). International Journal of Structural Integrity, 2020, 11, 625-631.	3.3	1
12	Evaluating compressive properties and morphology of expandable polyurethane foam for use in a synthetic paediatric spine. Journal of Materials Research and Technology, 2020, 9, 2590-2597.	5.8	8
13	Fracture prediction on patient-specific tibia model with Osteogenesis Imperfecta under various loading direction. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012073.	0.6	0
14	Experimental validation of finite element modelling on tibia with osteogenesis imperfecta. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012015.	0.6	1
15	Fracture toughness of railway for higher speed rail corridors in Malaysia. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012065.	0.6	1
16	Biomechanical analysis of patient-specific femur model of osteogenesis imperfecta with cortical and cancellous bone. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012045.	0.6	1
17	Segmentation of Cortical and Cancellous Bone with Osteogenesis Imperfecta using Thresholding-based Method. Journal of Physics: Conference Series, 2019, 1372, 012006.	0.4	2
18	Design and Development of Artificial Spinal Ligaments for Paediatric Synthetic Spine. Journal of Physics: Conference Series, 2019, 1372, 012009.	0.4	1

#	Article	IF	Citations
19	Determination of Fracture Risk on Patient-specific Model of Femur with Osteogenesis Imperfecta. Journal of Physics: Conference Series, 2019, 1372, 012042.	0.4	1
20	Influence of simulated leg length discrepancy on the spinal kinematics during stance phases. Journal of Physics: Conference Series, 2019, 1372, 012045.	0.4	0
21	Surface inclination effects on muscle and joint contact force during walking: A systematic review. Journal of Physics: Conference Series, 2019, 1372, 012051.	0.4	0
22	Displacement response of femur with various deformity angles under vertical load: FEA and experiment. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012072.	0.6	0
23	Analysis of insertion and removal torque loading for miniscrew and miniplate skeletal anchorage. IOP Conference Series: Materials Science and Engineering, 2019, 670, 012039.	0.6	0
24	Effect of moisture exposure and elevated temperatures on impact response of Pennisetum purpureum/glass-reinforced epoxy (PGRE) hybrid composites. Composites Part B: Engineering, 2019, 160, 84-93.	12.0	32
25	The effect of leg length inequality on joint contact forces of lower limbs during walking. Acta of Bioengineering and Biomechanics, 2019, 21, 55-62.	0.4	0
26	Sound Transmission Loss Analysis for Laminated Glass and Perspex. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012008.	0.6	0
27	Fracture risk prediction on children with Osteogenesis Imperfecta subjected to loads under activity of daily living. IOP Conference Series: Materials Science and Engineering, 2018, 429, 012004.	0.6	7
28	Gait variability during load carriage in simulated leg length discrepancy. AIP Conference Proceedings, 2018, , .	0.4	0
29	Effect of loading direction on fracture of bone with osteogenesis imperfecta (OI) during standing. AIP Conference Proceedings, 2018, , .	0.4	7
30	Leg Length Discrepancy: Dynamic Balance Response during Gait. Journal of Healthcare Engineering, 2018, 2018, 1-9.	1.9	15
31	The Effects of Leg Length Discrepancy on Stability and Kinematics-Kinetics Deviations: A Systematic Review. Applied Bionics and Biomechanics, 2018, 2018, 1-22.	1.1	10
32	Effect of mean stress and amplitude stress on mechanical stress-strain response of chopped strand mat (CSM) composite under cyclic load. AIP Conference Proceedings, 2017, , .	0.4	0
33	Biomechanical analysis on fracture risk associated with bone deformity. AIP Conference Proceedings, 2017, , .	0.4	0
34	Elastic interactions between single microcrack and single osteon microstructure of human femur cortical bone. AIP Conference Proceedings, 2017, , .	0.4	2
35	Stress analysis of a single osteon. AIP Conference Proceedings, 2017, , .	0.4	0
36	Influence of local meshing size on stress intensity factor of orthopedic lag screw. AIP Conference Proceedings, 2017, , .	0.4	0

#	Article	IF	Citations
37	Effect of nano-clay fillers on mechanical and morphological properties of Napier/epoxy Composites. Journal of Physics: Conference Series, 2017, 908, 012010.	0.4	13
38	In vitro degradation of a 3D porous Pennisetum purpureum/PLA biocomposite scaffold. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 74, 383-391.	3.1	30
39	Effect of meshing element on J-integral value for homogenous crown fracture behavior. AIP Conference Proceedings, 2017, , .	0.4	0
40	Finite element prediction on the chassis design of UniART4 racing car. AIP Conference Proceedings, 2017, , .	0.4	9
41	Effective elastic constants of corrugated core sandwich plate microstructure considering imperfection in adhesive bonding. Journal of Physics: Conference Series, 2017, 908, 012031.	0.4	1
42	Effects of fibre loading and moisture absorption on the tensile properties of hybrid Napier/glass/epoxy composites. Journal of Physics: Conference Series, 2017, 908, 012014.	0.4	7
43	Finite element modelling of Plantar Fascia response during running on different surface types. Journal of Physics: Conference Series, 2017, 908, 012035.	0.4	0
44	Effect of leg length inequality on body weight distribution during walking with load: A pilot study. AIP Conference Proceedings, 2017, , .	0.4	0
45	Effect of stress ratio on the fatigue behaviour of glass/epoxy composite. Journal of Physics: Conference Series, 2017, 908, 012030.	0.4	2
46	Clinical effects of leg length discrepancy through ground and joint reaction force responses: A review. AIP Conference Proceedings, 2017, , .	0.4	0
47	Influence of ceramic dental crown coating substrate thickness ratio on strain energy release rate. Journal of Physics: Conference Series, 2017, 908, 012018.	0.4	0
48	Prediction on fracture risk of femur with Osteogenesis Imperfecta using finite element models: Preliminary study. Journal of Physics: Conference Series, 2017, 908, 012022.	0.4	5
49	Determination of effective elastic properties of metal matrix composites with damage particulates using homogenization method. Journal of Physics: Conference Series, 2017, 908, 012027.	0.4	0
50	Energy release rate analysis on the interface cracks of enamel-cement-bracket fracture using virtual crack closure technique. Journal of Physics: Conference Series, 2017, 908, 012016.	0.4	0
51	Convergence study of global meshing on enamel-cement-bracket finite element model. AIP Conference Proceedings, 2017, , .	0.4	0
52	Homogenized Properties of Porous Microstructure: Effect of Void Shape and Arrangement. Journal of Physics: Conference Series, 2017, 908, 012032.	0.4	1
53	THE INFLUENCE OF SURFACE TYPES ON FOOT KINEMATICS DURING RUNNING AND WALKING: A SYSTEMATIC REVIEW. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
54	Mixed mode loading fracture toughness of Arcan adhesive joint: Effect of surface roughness. AIP Conference Proceedings, 2016, , .	0.4	4

#	Article	IF	Citations
55	Alteration of Lower Extremity During Running on Different Surface Hardness: a Systematic Review. International Review of Mechanical Engineering, 2016, 10, 381.	0.2	0
56	Stochastic multi-scale prediction on the apparent elastic moduli of trabecular bone considering uncertainties of biological apatite (BAp) crystallite orientation and image-based modelling. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 162-174.	1.6	15
57	Review of biomechanical modelling of cortical bone stress fracture. , 2015, , .		4
58	Stochastic multi-scale analysis of homogenised properties considering uncertainties in cellular solid microstructures using a first-order perturbation. Latin American Journal of Solids and Structures, 2014, 11, 755-769.	1.0	10
59	Uncertainty Modeling in the Prediction of Effective Mechanical Properties Using Stochastic Homogenization Method with Application to Porous Trabecular Bone. Materials Transactions, 2013, 54, 1250-1256.	1.2	16
60	Morphology analysis of vertebral trabecular bone under dynamic loading based on multi-scale theory. Medical and Biological Engineering and Computing, 2012, 50, 1091-1103.	2.8	11
61	Numerical Study on the Morphology and Mechanical Role of Healthy and Osteoporotic Vertebral Trabecular Bone. Journal of Biomechanical Science and Engineering, 2011, 6, 270-285.	0.3	13
62	Estimation of Apparent Elastic Moduli of Trabecular Bone Considering Biological Apatite (BAp) Crystallite Orientation in Tissue Modulus. Advanced Materials Research, 0, 894, 167-171.	0.3	3
63	The Effect of Trabecular Bone on the Mechanical Response of Human Mandible with Implant. Applied Mechanics and Materials, 0, 695, 588-591.	0.2	0
64	Stochastic Homogenized Properties for Honeycomb Microstructure Based on First Order Perturbation. Applied Mechanics and Materials, 0, 695, 516-520.	0.2	0
65	Variation of Stress Intensity Factor and Crack Distance Length for Double Edge Crack in Human Femur Bone. Applied Mechanics and Materials, 0, 695, 580-583.	0.2	0
66	Finite Element Simulation on Railway Wheels under Various Loading. IOP Conference Series: Materials Science and Engineering, 0, 429, 012002.	0.6	3
67	Three Dimensional Finite Element Analysis on Railway Rail. IOP Conference Series: Materials Science and Engineering, 0, 429, 012010.	0.6	4
68	Effect of synthetic fibres on tensile properties of Napier fibres reinforced epoxy composites. IOP Conference Series: Materials Science and Engineering, 0, 670, 012019.	0.6	0