

Muhammad Hanif Ramlee

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

368
citations

933447

10
h-index

888059

17
g-index

43
all docs

43
docs citations

43
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	BIOMECHANICAL EVALUATION OF LOCKING COMPRESSION PLATE (LCP) VERSUS DYNAMIC COMPRESSION PLATE (DCP): A FINITE ELEMENT ANALYSIS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2022, 84, 125-131.	0.4	0
2	Hierarchical Knee Image Synthesis Framework for Generative Adversarial Network: Data From the Osteoarthritis Initiative. <i>IEEE Access</i> , 2022, 10, 55051-55061.	4.2	2
3	Biomechanical effects of cross-pin's diameter in reconstruction of anterior cruciate ligament – A specific case study via finite element analysis. <i>Injury</i> , 2022, 53, 2424-2436.	1.7	4
4	From classical to deep learning: review on cartilage and bone segmentation techniques in knee osteoarthritis research. <i>Artificial Intelligence Review</i> , 2021, 54, 2445-2494.	15.7	21
5	Optimum Processing of Absorbable Carbon Nanofiber Reinforced Mg-Zn Composites Based on Two-Level Factorial Design. <i>Metals</i> , 2021, 11, 278.	2.3	5
6	Finite Element Analysis of Different Pin Diameter of External Fixator in Treating Tibia Fracture. <i>International Journal of Integrated Engineering</i> , 2021, 13, .	0.4	2
7	Finite Element Analysis of External Fixator for Treating Femur Fracture: Analysis on Stainless Steel and Titanium as Material of External Fixator. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2021, 17, 274-284.	0.8	3
8	Catalyst-Free Crosslinking Modification of Nata-de-Coco-Based Bacterial Cellulose Nanofibres Using Citric Acid for Biomedical Applications. <i>Polymers</i> , 2021, 13, 2966.	4.5	5
9	Biomechanical analysis of three different types of fixators for anterior cruciate ligament reconstruction via finite element method: a patient-specific study. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1945-1960.	2.8	5
10	The effects of additional hollow cylinder coated to external fixator screws for treating pilon fracture: A biomechanical perspective. <i>Injury</i> , 2021, 52, 2131-2141.	1.7	4
11	Mechanical degradation model of porous magnesium scaffolds under dynamic immersion. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 175-185.	1.1	8
12	Biomechanical evaluation of three different configurations of external fixators for treating distal third tibia fracture: Finite element analysis in axial, bending and torsion load. <i>Computers in Biology and Medicine</i> , 2020, 127, 104062.	7.0	16
13	A finite element study: Finding the best configuration between unilateral, hybrid, and ilizarov in terms of biomechanical point of view. <i>Injury</i> , 2020, 51, 2474-2478.	1.7	17
14	Biomechanical Evaluation of Insole for Badminton Players: A Preliminary Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 884, 012006.	0.6	3
15	Development of Polymeric Nanocomposite (Xyloglucan-co-Methacrylic Acid/Hydroxyapatite/SiO ₂) Scaffold for Bone Tissue Engineering Applications – In-Vitro Antibacterial, Cytotoxicity and Cell Culture Evaluation. <i>Polymers</i> , 2020, 12, 1238.	4.5	33
16	Stress Distributions and Micromovement of Fragment Bone of Pilon Fracture Treated With External Fixator: A Finite Element Analysis. <i>Journal of Foot and Ankle Surgery</i> , 2020, 59, 664-672.	1.0	15
17	FABRICATION AND CHARACTERISATION OF MG-ZN ALLOYS REINFORCED WITH CNF: A STUDY ON THE SINTERING PROCESS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2020, 83, 1-6.	0.4	2
18	BIOMECHANICAL EFFECTS OF DIFFERENT LENGTHS OF CROSS-PINS IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A FINITE ELEMENT ANALYSIS. <i>Journal of Mechanics in Medicine and Biology</i> , 2020, 20, 2050047.	0.7	8

#	ARTICLE	IF	CITATIONS
19	Biomechanical analysis of conventional and locking compression plate for treating fibula fracture: A finite element study. Malaysian Journal of Fundamental and Applied Sciences, 2020, 16, 433-436.	0.8	1
20	Development and Verification of Three-Dimensional Model of Human Foot for Badminton Insole Analysis: A Finite Element Study. , 2020, , .		0
21	Unifying the seeds auto-generation (SAGE) with knee cartilage segmentation framework: data from the osteoarthritis initiative. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 755-762.	2.8	4
22	Fabrication and Biomechanical Evaluation of Polyurethane Material for Synthetic Bone. Journal of Physics: Conference Series, 2019, 1372, 012013.	0.4	0
23	Number of Screws Affecting the Stability and Stress Distributions of Conventional and Locking Compression Plate: A Finite Element Study. Journal of Physics: Conference Series, 2019, 1372, 012038.	0.4	1
24	Three Dimensional Finite Element Modelling and Analysis of Human Knee Joint-Model Verification. Journal of Physics: Conference Series, 2019, 1372, 012068.	0.4	7
25	Development and Verification of Three-Dimensional Model of Femoral Bone: Finite Element Analysis. Journal of Physics: Conference Series, 2019, 1372, 012014.	0.4	7
26	Developing functionally graded PVA hydrogel using simple freeze-thaw method for artificial glenoid labrum. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 91, 406-415.	3.1	33
27	Biomechanical evaluation of pin placement of external fixator in treating transverse tibia fracture: Analysis on first and second cortex of cortical bone. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 75-79.	0.8	4
28	Finite Element Analysis of Needle Insertion Angle in Insulin Therapy. International Journal of Automotive and Mechanical Engineering, 2019, 16, 7512-7523.	0.9	2
29	Biomechanical features of six design of the delta external fixator for treating Pilon fracture: a finite element study. Medical and Biological Engineering and Computing, 2018, 56, 1925-1938.	2.8	23
30	Finite element analysis of the wrist in stroke patients: the effects of hand grip. Medical and Biological Engineering and Computing, 2018, 56, 1161-1171.	2.8	11
31	Relationship Between Strain and Healing Process for the Use of External Fixator: A Short Review. , 2018, , .		0
32	A Mini Review on Graft Fixation Devices for Anterior Cruciate Ligament Reconstruction - Techniques, Materials and Complications. , 2018, , .		2
33	Biomechanical Analysis of Different Material of Delta External Fixator for Ankle Joint - The Effect of Standing. , 2018, , .		1
34	Development of A Low-Cost Wearable Breast Cancer Detection Device. , 2018, , .		6
35	Binary Seeds Auto Generation Model for Knee Cartilage Segmentation. , 2018, , .		3
36	Comparative Evaluation of Medical Thermal Image Enhancement Techniques for Breast Cancer Detection. Journal of Engineering and Technological Sciences, 2018, 50, 40-52.	0.6	7

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37	FUNCTION AND BIOMECHANICS OF UPPER LIMB IN POST-STROKE PATIENTS â€” A SYSTEMATIC REVIEW. Journal of Mechanics in Medicine and Biology, 2017, 17, 1750099.	0.7	12
38	The effect of stress distribution and displacement of open subtalar dislocation in using titanium alloy and stainless steel mitkovic external fixator â€” a finite element analysis. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, 477-482.	0.8	7
39	Biomechanical evaluation of two commonly used external fixators in the treatment of open subtalar dislocationâ€”A finite element analysis. Medical Engineering and Physics, 2014, 36, 1358-1366.	1.7	27
40	Finite element analysis of three commonly used external fixation devices for treating Type III pilon fractures. Medical Engineering and Physics, 2014, 36, 1322-1330.	1.7	40
41	Three-dimensional modeling and analysis of a human ankle joint. , 2013, , .		6
42	Three-Dimensional Modelling and Finite Element Analysis of an Ankle External Fixator. Advanced Materials Research, 0, 845, 183-188.	0.3	10
43	Effects of badminton insole design on stress distribution, displacement and bone rotation of ankle joint during single-leg landing: a finite element analysis. Sports Biomechanics, 0, , 1-22.	1.6	1