

# Muhammad Hanif Ramlee

## List of Publications by Year in descending order

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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	Finite element analysis of three commonly used external fixation devices for treating Type III pilon fractures. <i>Medical Engineering and Physics</i> , 2014, 36, 1322-1330.	1.7	40
2	Developing functionally graded PVA hydrogel using simple freeze-thaw method for artificial glenoid labrum. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 91, 406-415.	3.1	33
3	Development of Polymeric Nanocomposite (Xyloglucan-co-Methacrylic Acid/Hydroxyapatite/SiO <sub>2</sub> ) Scaffold for Bone Tissue Engineering Applicationsâ€™In-Vitro Antibacterial, Cytotoxicity and Cell Culture Evaluation. <i>Polymers</i> , 2020, 12, 1238.	4.5	33
4	Biomechanical evaluation of two commonly used external fixators in the treatment of open subtalar dislocationâ€™A finite element analysis. <i>Medical Engineering and Physics</i> , 2014, 36, 1358-1366.	1.7	27
5	Biomechanical features of six design of the delta external fixator for treating Pilon fracture: a finite element study. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 1925-1938.	2.8	23
6	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
7	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
8	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
9	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
10	FUNCTION AND BIOMECHANICS OF UPPER LIMB IN POST-STROKE PATIENTS â€™ A SYSTEMATIC REVIEW. <i>Journal of Mechanics in Medicine and Biology</i> , 2017, 17, 1750099.	0.7	12
11	Finite element analysis of the wrist in stroke patients: the effects of hand grip. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 1161-1171.	2.8	11
12	Three-Dimensional Modelling and Finite Element Analysis of an Ankle External Fixator. <i>Advanced Materials Research</i> , 0, 845, 183-188.	0.3	10
13	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
14	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
15	Three Dimensional Finite Element Modelling and Analysis of Human Knee Joint-Model Verification. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012068.	0.4	7
16	Development and Verification of Three-Dimensional Model of Femoral Bone: Finite Element Analysis. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012014.	0.4	7
17	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. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2017, 13, 477-482.	0.8	7
18	Comparative Evaluation of Medical Thermal Image Enhancement Techniques for Breast Cancer Detection. <i>Journal of Engineering and Technological Sciences</i> , 2018, 50, 40-52.	0.6	7

#	ARTICLE	IF	CITATIONS
19	Three-dimensional modeling and analysis of a human ankle joint. , 2013, , .		6
20	Development of A Low-Cost Wearable Breast Cancer Detection Device. , 2018, , .		6
21	Optimum Processing of Absorbable Carbon Nanofiber Reinforced Mg&Zn Composites Based on Two-Level Factorial Design. Metals, 2021, 11, 278.	2.3	5
22	Catalyst-Free Crosslinking Modification of Nata-de-Coco-Based Bacterial Cellulose Nanofibres Using Citric Acid for Biomedical Applications. Polymers, 2021, 13, 2966.	4.5	5
23	Biomechanical analysis of three different types of fixators for anterior cruciate ligament reconstruction via finite element method: a patient-specific study. Medical and Biological Engineering and Computing, 2021, 59, 1945-1960.	2.8	5
24	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
25	The effects of additional hollow cylinder coated to external fixator screws for treating pilon fracture: A biomechanical perspective. Injury, 2021, 52, 2131-2141.	1.7	4
26	Biomechanical evaluation of pin placement of external fixator in treating tranverse 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
27	Biomechanical effects of cross-pin's diameter in reconstruction of anterior cruciate ligament & A specific case study via finite element analysis. Injury, 2022, 53, 2424-2436.	1.7	4
28	Binary Seeds Auto Generation Model for Knee Cartilage Segmentation. , 2018, , .		3
29	Biomechanical Evaluation of Insole for Badminton Players: A Preliminary Study. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012006.	0.6	3
30	Finite Element Analysis of External Fixator for Treating Femur Fracture: Analysis on Stainless Steel and Titanium as Material of External Fixator. Malaysian Journal of Fundamental and Applied Sciences, 2021, 17, 274-284.	0.8	3
31	A Mini Review on Graft Fixation Devices for Anterior Cruciate Ligament Reconstruction - Techniques, Materials and Complications. , 2018, , .		2
32	Finite Element Analysis of Different Pin Diameter of External Fixator in Treating Tibia Fracture. International Journal of Integrated Engineering, 2021, 13, .	0.4	2
33	FABRICATION AND CHARACTERISATION OF MG-ZN ALLOYS REINFORCED WITH CNF: A STUDY ON THE SINTERING PROCESS. Jurnal Teknologi (Sciences and Engineering), 2020, 83, 1-6.	0.4	2
34	Finite Element Analysis of Needle Insertion Angle in Insulin Therapy. International Journal of Automotive and Mechanical Engineering, 2019, 16, 7512-7523.	0.9	2
35	Hierarchical Knee Image Synthesis Framework for Generative Adversarial Network: Data From the Osteoarthritis Initiative. IEEE Access, 2022, 10, 55051-55061.	4.2	2
36	Biomechanical Analysis of Different Material of Delta External Fixator for Ankle Joint - The Effect of Standing. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
37	Number of Screws Affecting the Stability and Stress Distributions of Conventional and Locking Compression Plate: A Finite Element Study. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012038.	0.4	1
38	Biomechanical analysis of conventional and locking compression plate for treating fibula fracture: A finite element study. <i>Malaysian Journal of Fundamental and Applied Sciences</i> , 2020, 16, 433-436.	0.8	1
39	Effects of badminton insole design on stress distribution, displacement and bone rotation of ankle joint during single-leg landing: a finite element analysis. <i>Sports Biomechanics</i> , 0, , 1-22.	1.6	1
40	Relationship Between Strain and Healing Process for the Use of External Fixator: A Short Review. , 2018, , .		0
41	Fabrication and Biomechanical Evaluation of Polyurethane Material for Synthetic Bone. <i>Journal of Physics: Conference Series</i> , 2019, 1372, 012013.	0.4	0
42	Development and Verification of Three-Dimensional Model of Human Foot for Badminton Insole Analysis: A Finite Element Study. , 2020, , .		0
43	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