

# Tunku Kamarul Zaman Tunku Zainol Abidin

## List of Publications by Year in descending order

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Version: 2024-02-01

175  
papers

4,688  
citations

116194

36  
h-index

169272

56  
g-index

182  
all docs

182  
docs citations

182  
times ranked

8402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on bioactivity, mechanical stability, bactericidal activity and in-vitro biocompatibility of magnesium silicates for bone tissue engineering applications. <i>Journal of Materials Research</i> , 2022, 37, 608-621.	1.2	9
2	Comparative investigation on antibacterial, biological and mechanical behaviour of monticellite and diopside derived from biowaste for bone regeneration. <i>Materials Chemistry and Physics</i> , 2022, 286, 126157.	2.0	12
3	Early Alterations of Subchondral Bone in the Rat Anterior Cruciate Ligament Transection Model of Osteoarthritis. <i>Cartilage</i> , 2021, 13, 1322S-1333S.	1.4	19
4	Biom mineralization, mechanical, antibacterial and biological investigation of larnite and rankinite bioceramics. <i>Materials Science and Engineering C</i> , 2021, 118, 111466.	3.8	24
5	The functionalization of the electrospun PLLA fibrous scaffolds reduces the hydrogen peroxide induced cytokines secretion in vitro. <i>Materials Today Communications</i> , 2021, 26, 101812.	0.9	5
6	Cytokine release by human bone marrow stromal cells isolated from osteoarthritic and diabetic osteoarthritic patients in vitro. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2021, .	0.7	1
7	Dual <scp> </scp>-Carnosine/<i>Aloe vera</i> Nanophytosomes with Synergistically Enhanced Protective Effects against Methylglyoxal-Induced Angiogenesis Impairment. <i>Molecular Pharmaceutics</i> , 2021, 18, 3302-3325.	2.3	5
8	Physicochemical, antibacterial and biocompatibility assessments of silver incorporated nano-hydroxyapatite synthesized using a novel microwave-assisted wet precipitation technique. <i>Materials Characterization</i> , 2021, 178, 111169.	1.9	19
9	Calcium-Silicate-Incorporated Gellan-Chitosan Induced Osteogenic Differentiation in Mesenchymal Stromal Cells. <i>Polymers</i> , 2021, 13, 3211.	2.0	11
10	Antibacterial wollastonite supported excellent proliferation and osteogenic differentiation of human bone marrow derived mesenchymal stromal cells. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 100, 506-516.	1.1	3
11	Development of generic Asian pelvic bone models using CT-based 3D statistical modelling. <i>Journal of Orthopaedic Translation</i> , 2020, 20, 100-106.	1.9	12
12	Mechanical, antibacterial, and biocompatibility mechanism of PVD grown silver-tantalum-oxide-based nanostructured thin film on stainless steel 316L for surgical applications. <i>Materials Science and Engineering C</i> , 2020, 107, 110304.	3.8	26
13	Mechanical compression controls the biosynthesis of human osteoarthritic chondrocytes in vitro. <i>Clinical Biomechanics</i> , 2020, 79, 105178.	0.5	2
14	<i>In vitro</i> evaluation of novel low-pressure spark plasma sintered HA-BG composite scaffolds for bone tissue engineering. <i>RSC Advances</i> , 2020, 10, 23813-23828.	1.7	8
15	Mechanical Strain-Mediated Tenogenic Differentiation of Mesenchymal Stromal Cells Is Regulated through Epithelial Sodium Channels. <i>Stem Cells International</i> , 2020, 2020, 1-13.	1.2	4
16	Engineering stiffness in highly porous biomimetic gelatin/tertiary bioactive glass hybrid scaffolds using graphene nanosheets. <i>Reactive and Functional Polymers</i> , 2020, 154, 104668.	2.0	4
17	Oxidative Stress Down-Regulates MiR-20b-5p, MiR-106a-5p and E2F1 Expression to Suppress the G1/S Transition of the Cell Cycle in Multipotent Stromal Cells. <i>International Journal of Medical Sciences</i> , 2020, 17, 457-470.	1.1	27
18	Elevated plasma and synovial fluid interleukin-8 and interleukin-18 may be associated with the pathogenesis of knee osteoarthritis. <i>Knee</i> , 2020, 27, 26-35.	0.8	38

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19	COVID-19 in Singapore and Malaysia: Rising to the Challenges of Orthopaedic Practice in an Evolving Pandemic. <i>Malaysian Orthopaedic Journal</i> , 2020, 14, 7-15.	0.2	29
20	DNA repair efficiency associated with reprogrammed osteosarcoma cells. <i>Gene Reports</i> , 2019, 16, 100409.	0.4	1
21	Uniaxial Cyclic Tensile Stretching at 8% Strain Exclusively Promotes Tenogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stromal Cells. <i>Stem Cells International</i> , 2019, 2019, 1-16.	1.2	30
22	Effect of Chitosan Nanoparticle-Loaded <i>Thymus serpyllum</i> on Hydrogen Peroxide-Induced Bone Marrow Stromal Cell Damage. <i>Stem Cells International</i> , 2019, 2019, 1-12.	1.2	3
23	The physicochemical and biomechanical profile of forsterite and its osteogenic potential of mesenchymal stromal cells. <i>PLoS ONE</i> , 2019, 14, e0214212.	1.1	22
24	Protective effects of atorvastatin on high glucose-induced oxidative stress and mitochondrial apoptotic signaling pathways in cultured chondrocytes. <i>Journal of Physiology and Biochemistry</i> , 2019, 75, 153-162.	1.3	20
25	Elastomeric biocomposite of silver-containing mesoporous bioactive glass and poly(1,8-octanediol) Tj ETQq1 1 0.784314 rgBT /Overlock Materials Science and Engineering C, 2019, 98, 1022-1033.	3.8	15
26	Platelet-rich concentrate in serum-free medium enhances cartilage-specific extracellular matrix synthesis and reduces chondrocyte hypertrophy of human mesenchymal stromal cells encapsulated in alginate. <i>Platelets</i> , 2019, 30, 66-74.	1.1	8
27	A Systematic Review on Peripheral Blood-derived Mesenchymal Stem Cells as a Therapy for Cartilage Repair. <i>Sains Malaysiana</i> , 2019, 48, 1947-1958.	0.3	0
28	Platelet rich concentrate enhances mesenchymal stem cells capacity to repair focal cartilage injury in rabbits. <i>Injury</i> , 2018, 49, 775-783.	0.7	12
29	Replantation and revascularization of amputated upper limb appendages outcome and predicting the factors influencing the success rates of these procedures in a tertiary hospital: An 8-year retrospective, cross-sectional study. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901774998.	0.4	12
30	Restoring the IL-1 $\beta$ /NF- $\kappa$ B-induced impaired chondrogenesis by diallyl disulfide in human adipose-derived mesenchymal stem cells via attenuation of reactive oxygen species and elevation of antioxidant enzymes. <i>Cell and Tissue Research</i> , 2018, 373, 407-419.	1.5	17
31	Comparative efficacy of hemorrhage control of a novel mesoporous bioactive glass versus two commercial hemostats. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 025020.	1.7	23
32	Factors Influencing the Successful Isolation and Expansion of Aging Human Mesenchymal Stem Cells. <i>Open Life Sciences</i> , 2018, 13, 279-284.	0.6	1
33	Fiber density of collagen grafts impacts rabbit urethral regeneration. <i>Scientific Reports</i> , 2018, 8, 10057.	1.6	7
34	Incomplete cellular reprogramming of colorectal cancer cells elicits an epithelial/mesenchymal hybrid phenotype. <i>Journal of Biomedical Science</i> , 2018, 25, 57.	2.6	24
35	Quantifying the ultrastructure changes of air-dried and irradiated human amniotic membrane using atomic force microscopy: a preliminary study. <i>Cell and Tissue Banking</i> , 2018, 19, 613-622.	0.5	1
36	Exclusive breastfeeding practice during first six months of an infant's life in Bangladesh: a country based cross-sectional study. <i>BMC Pediatrics</i> , 2018, 18, 93.	0.7	59

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37	Incorporation of Human-Platelet-Derived Growth Factor-BB Encapsulated Poly(lactic-co-glycolic acid) Microspheres into 3D CORAGRAF Enhances Osteogenic Differentiation of Mesenchymal Stromal Cells. ACS Applied Materials & Interfaces, 2017, 9, 9291-9303.	4.0	15
38	Evaluating the Protective Effects and Mechanisms of Diallyl Disulfide on Interleukin-1 $\beta$ -Induced Oxidative Stress and Mitochondrial Apoptotic Signaling Pathways in Cultured Chondrocytes. Journal of Cellular Biochemistry, 2017, 118, 1879-1888.	1.2	36
39	MULTILEVEL LINEAR REGRESSION ANALYSIS OF FACTORS INFLUENCING BODY MASS INDEX AMONG BANGLADESHI MARRIED NON-PREGNANT WOMEN. Journal of Biosocial Science, 2017, 49, 498-508.	0.5	8
40	Genetically modified mesenchymal stem/stromal cells transfected with adiponectin gene can stably secrete adiponectin. Life Sciences, 2017, 182, 50-56.	2.0	8
41	Osteogenic priming potential of bovine hydroxyapatite sintered at different temperatures for tissue engineering applications. Materials Letters, 2017, 197, 83-86.	1.3	13
42	Potency and Cytotoxicity of a Novel Gallium-Containing Mesoporous Bioactive Glass/Chitosan Composite Scaffold as Hemostatic Agents. ACS Applied Materials & Interfaces, 2017, 9, 31381-31392.	4.0	95
43	Enhancement of mesenchymal stem cell chondrogenesis with short-term low intensity pulsed electromagnetic fields. Scientific Reports, 2017, 7, 9421.	1.6	70
44	Protective Effect of Ginger (&lt;b>&lt;i>Zingiber officinale&/i>&/b> Roscoe) Extract against Oxidative Stress and Mitochondrial Apoptosis Induced by Interleukin-1 $\beta$ in Cultured Chondrocytes. Cells Tissues Organs, 2017, 204, 241-250.	1.3	63
45	Development of poly (1, 8-octanediol citrate)/chitosan blend films for tissue engineering applications. Carbohydrate Polymers, 2017, 175, 618-627.	5.1	13
46	The Combined Effect of Substrate Stiffness and Surface Topography on Chondrogenic Differentiation of Mesenchymal Stem Cells. Tissue Engineering - Part A, 2017, 23, 43-54.	1.6	62
47	Gene Expression Analysis Reveals the Concurrent Activation of Proapoptotic and Antioxidant-Defensive Mechanisms in Flavokawain Bâ€Treated Cervical Cancer HeLa Cells. Integrative Cancer Therapies, 2017, 16, 373-384.	0.8	15
48	Number of pegs influence focal stress distributions and micromotion in glenoid implants: a finite element study. Medical and Biological Engineering and Computing, 2017, 55, 439-447.	1.6	12
49	The Effects of Physiological Biomechanical Loading on Intradiscal Pressure and Annulus Stress in Lumbar Spine: A Finite Element Analysis. Journal of Healthcare Engineering, 2017, 2017, 1-8.	1.1	16
50	miR-524-5p of the primate-specific C19MC miRNA cluster targets TP53IPN1- and EMT-associated genes to regulate cellular reprogramming. Stem Cell Research and Therapy, 2017, 8, 214.	2.4	28
51	IN-VITRO BIOCOMPATIBILITY STUDY OF HYDROXYAPATITE COATED ON CO-CR-MO WITH OXIDE INTERLAYER. Jurnal Teknologi (Sciences and Engineering), 2017, 80, .	0.3	3
52	Influence of Fibrinogen Concentration on Mesenchymal Stem Cells and Chondrocytes Chondrogenesis in Fibrin Hydrogels. Journal of Biomaterials and Tissue Engineering, 2017, 7, 1136-1145.	0.0	7
53	Fate of tenogenic differentiation potential of human bone marrow stromal cells by uniaxial stretching affected by stretch-activated calcium channel agonist gadolinium. PLoS ONE, 2017, 12, e0178117.	1.1	11
54	Susceptibility of Human Oral Squamous Cell Carcinoma (OSCC) H103 and H376 cell lines to Retroviral OSKM mediated reprogramming. PeerJ, 2017, 5, e3174.	0.9	5

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55	Study on the AFM Force Curve Common Errors and Their Effects on the Calculated Nanomechanical Properties of Materials. <i>Journal of Engineering (United States)</i> , 2016, 2016, 1-8.	0.5	2
56	Preparation Methods for Improving PEEK's Bioactivity for Orthopedic and Dental Application: A Review. <i>International Journal of Biomaterials</i> , 2016, 2016, 1-12.	1.1	92
57	Flavokawain derivative FLS induced G2/M arrest and apoptosis on breast cancer MCF-7 cell line. <i>Drug Design, Development and Therapy</i> , 2016, 10, 1897.	2.0	8
58	Sesame indicum, a nutritional supplement, elicits anti-amnesic effect via cholinergic pathway in scopolamine intoxicated mice. <i>Environmental Toxicology</i> , 2016, 31, 1955-1963.	2.1	3
59	The effect of strontium ranelate on the healing of a fractured ulna with bone gap in rabbit. <i>BMC Veterinary Research</i> , 2016, 12, 112.	0.7	13
60	In-vitro bioactivity, biocompatibility and dissolution studies of diopside prepared from biowaste by using sol-gel combustion method. <i>Materials Science and Engineering C</i> , 2016, 68, 89-100.	3.8	45
61	Three dimensional alginate-fucoidan composite hydrogel augments the chondrogenic differentiation of mesenchymal stromal cells. <i>Carbohydrate Polymers</i> , 2016, 147, 294-303.	5.1	41
62	Analysis on stress and micromotion on various peg fixation at glenoid implant. <i>Tribology - Materials, Surfaces and Interfaces</i> , 2016, 10, 26-32.	0.6	6
63	Reprogramming cancer cells: overview & current progress. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 941-951.	1.4	12
64	Effects of carbon doping on the microstructural, micro/nano-mechanical, and mesenchymal stromal cells biocompatibility and osteogenic differentiation properties of alumina. <i>Ceramics International</i> , 2016, 42, 18247-18256.	2.3	9
65	Chondrogenic potential of physically treated bovine cartilage matrix derived porous scaffolds on human dermal fibroblast cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 245-256.	2.1	23
66	Incorporation of Fucoidan in $\beta$ -Tricalcium phosphate-Chitosan scaffold prompts the differentiation of human bone marrow stromal cells into osteogenic lineage. <i>Scientific Reports</i> , 2016, 6, 24202.	1.6	50
67	Osteogenic differentiation of mesenchymal stem cells on a poly (octanediol citrate)/bioglass composite scaffold in vitro. <i>Materials and Design</i> , 2016, 109, 434-442.	3.3	15
68	Synergistic interaction of platelet derived growth factor (PDGF) with the surface of PLLA/Col/HA and PLLA/HA scaffolds produces rapid osteogenic differentiation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 68-78.	2.5	38
69	Potential of apoptotic pathway-targeted cancer therapeutic research: Where do we stand?. <i>Cell Death and Disease</i> , 2016, 7, e2058-e2058.	2.7	238
70	Cytotoxic evaluation of hydroxyapatite-filled and silica/hydroxyapatite-filled acrylate-based restorative composite resins: An in vitro study. <i>Journal of Prosthetic Dentistry</i> , 2016, 116, 129-135.	1.1	17
71	Gallium-containing mesoporous bioactive glass with potent hemostatic activity and antibacterial efficacy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 71-86.	2.9	121
72	Deferoxamine Preconditioning of Neural-Like Cells Derived from Human Wharton's Jelly Mesenchymal Stem Cells as a Strategy to Promote Their Tolerance and Therapeutic Potential: An In Vitro Study. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 689-700.	1.7	27

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73	Effect of torsional loading on compressive fatigue behaviour of trabecular bone. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 54, 21-32.	1.5	23
74	Coadministration of alloxan and nicotinamide in rats produces biochemical changes in blood and pathological alterations comparable to the changes in type II diabetes mellitus. <i>Human and Experimental Toxicology</i> , 2016, 35, 893-901.	1.1	3
75	The comparison between the different generations of autologous chondrocyte implantation with other treatment modalities: a systematic review of clinical trials. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3912-3926.	2.3	15
76	Probable impact of age and hypoxia on proliferation and microRNA expression profile of bone marrow-derived human mesenchymal stem cells. <i>PeerJ</i> , 2016, 4, e1536.	0.9	33
77	Ultra-structural changes and expression of chondrogenic and hypertrophic genes during chondrogenic differentiation of mesenchymal stromal cells in alginate beads. <i>PeerJ</i> , 2016, 4, e1650.	0.9	6
78	Platelet-rich concentrate in serum free medium enhances osteogenic differentiation of bone marrow-derived human mesenchymal stromal cells. <i>PeerJ</i> , 2016, 4, e2347.	0.9	11
79	Attrition of Hepatic Damage Inflicted by Angiotensin II with $\hat{1}\pm$ -Tocopherol and $\hat{1}^2$ -Carotene in Experimental Apolipoprotein E Knock-out Mice. <i>Scientific Reports</i> , 2015, 5, 18300.	1.6	8
80	Deferoxamine preconditioning to restore impaired $\langle scp \rangle$ HIF $\langle /scp \rangle$ mediated angiogenic mechanisms in adipose $\hat{a}$ derived stem cells from $\langle scp \rangle$ STZ $\langle /scp \rangle$ induced type 1 diabetic rats. <i>Cell Proliferation</i> , 2015, 48, 532-549.	2.4	57
81	<i>In Vitro</i> Evaluation of Bioactivity of Chemically Deposited Hydroxyapatite on Polyether Ether Ketone. <i>International Journal of Biomaterials</i> , 2015, 2015, 1-5.	1.1	9
82	Chronic hepatitis C virus infection triggers spontaneous differential expression of biosignatures associated with T cell exhaustion and apoptosis signaling in peripheral blood mononucleocytes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015, 20, 466-480.	2.2	41
83	Characterization and biological evaluation of silver containing fluoroapatite nanoparticles prepared through microwave synthesis. <i>Ceramics International</i> , 2015, 41, 6470-6477.	2.3	32
84	Assessing bone banking activities at University of Malaya medical centre. <i>Cell and Tissue Banking</i> , 2015, 16, 523-530.	0.5	5
85	Fabrication and in vitro biological activity of $\hat{1}^2$ TCP-Chitosan-Fucoidan composite for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2015, 134, 799-807.	5.1	59
86	Proliferation and osteogenic differentiation of mesenchymal stromal cells in a novel porous hydroxyapatite scaffold. <i>Regenerative Medicine</i> , 2015, 10, 579-590.	0.8	19
87	Uniaxial and Multiaxial Fatigue Life Prediction of the Trabecular Bone Based on Physiological Loading: A Comparative Study. <i>Annals of Biomedical Engineering</i> , 2015, 43, 2487-2502.	1.3	16
88	The prevention and treatment of hypoadiponectinemia-associated human diseases by up-regulation of plasma adiponectin. <i>Life Sciences</i> , 2015, 135, 55-67.	2.0	38
89	Rice husk derived bioactive glass-ceramic as a functional bioceramic: Synthesis, characterization and biological testing. <i>Journal of Non-Crystalline Solids</i> , 2015, 427, 54-61.	1.5	30
90	Assessment of knowledge regarding tuberculosis among non-medical university students in Bangladesh: a cross-sectional study. <i>BMC Public Health</i> , 2015, 15, 716.	1.2	36

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91	The proliferation and tenogenic differentiation potential of bone marrow-derived mesenchymal stromal cell are influenced by specific uniaxial cyclic tensile loading conditions. <i>Biomechanics and Modeling in Mechanobiology</i> , 2015, 14, 649-663.	1.4	36
92	Effect of 17 $\beta$ -estradiol on mediators involved in mesenchymal stromal cell trafficking in cell therapy of diabetes. <i>Cytotherapy</i> , 2015, 17, 46-57.	0.3	23
93	PVA-chitosan composite hydrogel versus alginate beads as a potential mesenchymal stem cell carrier for the treatment of focal cartilage defects. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2015, 23, 1368-1377.	2.3	36
94	Unmodified medium chain length polyhydroxyalkanoate (uMCL-PHA) as a thin film for tissue engineering application – characterization and in vitro biocompatibility. <i>Materials Letters</i> , 2015, 141, 55-58.	1.3	23
95	Identification of Pathways Mediating Growth Differentiation Factor5-Induced Tenogenic Differentiation in Human Bone Marrow Stromal Cells. <i>PLoS ONE</i> , 2015, 10, e0140869.	1.1	28
96	Avoiding diagnostic pitfalls in mimics of neoplasia: the importance of a comprehensive diagnostic approach. <i>Singapore Medical Journal</i> , 2015, 56, e92-e95.	0.3	0
97	Oxidative Stress-Induced Premature Senescence in Wharton's Jelly-Derived Mesenchymal Stem Cells. <i>International Journal of Medical Sciences</i> , 2014, 11, 1201-1207.	1.1	71
98	Erratum to “Fluoroscopy Assisted Minimally Invasive Transplantation of Allogenic Mesenchymal Stromal Cells Embedded in HyStem Reduces the Progression of Nucleus Pulposus Degeneration in the Damaged Intervertebral Disc: A Preliminary Study in Rabbits” <i>Scientific World Journal</i> , The, 2014, 2014, 1-1.	0.8	0
99	Biocompatibility and Toxicity of Poly(vinyl alcohol)/N,O-Carboxymethyl Chitosan Scaffold. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	26
100	Platelet Rich Concentrate Promotes Early Cellular Proliferation and Multiple Lineage Differentiation of Human Mesenchymal Stromal Cells In Vitro. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.	0.8	4
101	Histology, Glycosaminoglycan Level and Cartilage Stiffness in Monoiodoacetate-Induced Osteoarthritis: Comparative Analysis with Anterior Cruciate Ligament Transection in Rat Model and Human Osteoarthritis. <i>International Journal of Medical Sciences</i> , 2014, 11, 97-105.	1.1	41
102	Differential Protein Expression between Chondrogenic Differentiated MSCs, Undifferentiated MSCs and Adult Chondrocytes Derived from <i>Oryctolagus cuniculus</i> in vitro. <i>International Journal of Medical Sciences</i> , 2014, 11, 24-33.	1.1	9
103	Heterogeneity of Osteosarcoma Cell Lines Led to Variable Responses in Reprogramming. <i>International Journal of Medical Sciences</i> , 2014, 11, 1154-1160.	1.1	20
104	Fluoroscopy Assisted Minimally Invasive Transplantation of Allogenic Mesenchymal Stromal Cells Embedded in HyStem Reduces the Progression of Nucleus Pulposus Degeneration in the Damaged Interverbal Disc: A Preliminary Study in Rabbits. <i>Scientific World Journal</i> , The, 2014, 2014, 1-11.	0.8	9
105	Frequent Co-Expression of miRNA-5p and -3p Species and Cross-Targeting in Induced Pluripotent Stem Cells. <i>International Journal of Medical Sciences</i> , 2014, 11, 824-833.	1.1	36
106	Geometric variable designs of cam/post mechanisms influence the kinematics of knee implants. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 3019-3027.	2.3	7
107	Stability of cervical spine after one-level corpectomy using different numbers of screws and plate systems. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014, 228, 342-349.	1.0	0
108	The Fabrication and Characterization of PCL/Rice Husk Derived Bioactive Glass-Ceramic Composite Scaffolds. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	1.5	10

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109	Comparison of <i>In Vitro</i> Developmental Competence of Cloned Caprine Embryos Using Donor Karyoplasts from Adult Bone Marrow Mesenchymal Stem Cells vs Ear Fibroblast Cells. <i>Reproduction in Domestic Animals</i> , 2014, 49, 249-253.	0.6	14
110	A comparison study of different physical treatments on cartilage matrix derived porous scaffolds for tissue engineering applications. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 065001.	2.8	20
111	High-fat diet and angiotensin II-induced aneurysm concurrently elicits splenic hypertrophy. <i>European Journal of Clinical Investigation</i> , 2014, 44, 1169-1176.	1.7	5
112	NO, carboxymethyl chitosan enhanced scaffold porosity and biocompatibility under e-beam irradiation at 50kGy. <i>International Journal of Biological Macromolecules</i> , 2014, 64, 115-122.	3.6	10
113	Knee laxity of Malaysian adults: Gender differentials, and association with age and anthropometric measures. <i>Knee</i> , 2014, 21, 557-562.	0.8	9
114	Advances of human bone marrow-derived mesenchymal stem cells in the treatment of cartilage defects: A systematic review. <i>Experimental Biology and Medicine</i> , 2014, 239, 663-669.	1.1	25
115	Characterization, antibacterial and in vitro compatibility of zinc-silver doped hydroxyapatite nanoparticles prepared through microwave synthesis. <i>Ceramics International</i> , 2014, 40, 4507-4513.	2.3	84
116	Archimedes revisited: computer assisted micro-volumetric modification of the liquid displacement method for porosity measurement of highly porous light materials. <i>Analytical Methods</i> , 2014, 6, 4396-4401.	1.3	20
117	Biomechanical evaluation of two commonly used external fixators in the treatment of open subtalar dislocation—A finite element analysis. <i>Medical Engineering and Physics</i> , 2014, 36, 1358-1366.	0.8	27
118	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.	0.8	40
119	Microwave synthesis, characterization, bioactivity and in vitro biocompatibility of zeolite-hydroxyapatite (Zeo-HA) composite for bone tissue engineering applications. <i>Ceramics International</i> , 2014, 40, 16091-16097.	2.3	37
120	Chitosan (PEO)/bioactive glass hybrid nanofibers for bone tissue engineering. <i>RSC Advances</i> , 2014, 4, 49144-49152.	1.7	59
121	Characterization of bovine-derived porous hydroxyapatite scaffold and its potential to support osteogenic differentiation of human bone marrow derived mesenchymal stem cells. <i>Ceramics International</i> , 2014, 40, 771-777.	2.3	38
122	A Comparative Study on In Vitro Osteogenic Priming Potential of Electron Spun Scaffold PLLA/HA/Col, PLLA/HA, and PLLA/Col for Tissue Engineering Application. <i>PLoS ONE</i> , 2014, 9, e104389.	1.1	47
123	High-Risk Behavior of HIV/AIDS among Females Sex Workers in Bangladesh: Survey in Rajshahi City. <i>Japanese Journal of Infectious Diseases</i> , 2014, 67, 191-196.	0.5	11
124	AUTOLOGOUS CHONDROCYTE IMPLANTATION FOR KNEE FOCAL CARTILAGE DEFECTS: 3 YEARS FOLLOW-UP AT THE UNIVERSITY MALAYA MEDICAL CENTRE. <i>Journal of the University of Malaya Medical Centre</i> , 2014, 17, 8-13.	0.0	1
125	CELL-BASED THERAPY FOR THE TREATMENT OF FOCAL ARTICULAR CARTILAGE LESIONS: A REVIEW OF SIX YEARS OF STUDIES IN A MALAYSIAN UNIVERSITY MEDICAL CENTRE. <i>Journal of the University of Malaya Medical Centre</i> , 2014, 17, 24-34.	0.0	0
126	Chondrocyte-alginate constructs with or without TGF- $\beta$ 1 produces superior extracellular matrix expression than monolayer cultures. <i>Molecular and Cellular Biochemistry</i> , 2013, 376, 11-20.	1.4	38



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127	Chondrocyte density, proteoglycan content and gene expressions from native cartilage are species specific and not dependent on cartilage thickness: a comparative analysis between rat, rabbit and goat. <i>BMC Veterinary Research</i> , 2013, 9, 62.	0.7	31
128	Supermacroporous poly(vinyl alcohol)-carboxymethyl chitosan-poly(ethylene glycol) scaffold: an in vitro and in vivo pre-assessments for cartilage tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1561-1570.	1.7	18
129	Total cell pooling in vitro: an effective isolation method for bone marrow-derived multipotent stromal cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 424-432.	0.7	3
130	Biomechanical analysis of the wrist arthroplasty in rheumatoid arthritis: a finite element analysis. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 175-186.	1.6	27
131	Establishment and characterization of replicate senescence study models of human mesenchymal stem cells. <i>Cytotherapy</i> , 2013, 15, S15.	0.3	2
132	Synthesis and characterization of polyacids from palm acid oil and sunflower oil via addition reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6616-6619.	1.0	9
133	Novel HA-PVA/NOCC bilayered scaffold for osteochondral tissue-engineering applications "Fabrication, characterization, in vitro and in vivo biocompatibility study. <i>Materials Letters</i> , 2013, 113, 25-29.	1.3	19
134	Characterization and antibacterial properties of stable silver substituted hydroxyapatite nanoparticles synthesized through surfactant assisted microwave process. <i>Materials Research Bulletin</i> , 2013, 48, 3172-3177.	2.7	45
135	The effects of staged intra-articular injection of cultured autologous mesenchymal stromal cells on the repair of damaged cartilage: a pilot study in caprine model. <i>Arthritis Research and Therapy</i> , 2013, 15, R129.	1.6	61
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