Wan Safwani Wan Kamarul Zaman

List of Publications by Year
in descending order

55 papers	1,122 citations	394421 19 h-index	414414 32 g-index
55 all docs	55 docs citations	55 times ranked	1656 citing authors

#	Article	IF	Citations
1	Impact of low oxygen tension on stemness, proliferation and differentiation potential of human adipose-derived stem cells. Biochemical and Biophysical Research Communications, 2014, 448, 218-224.	2.1	120
2	Phenotypic and Functional Characterization of Long-Term Cryopreserved Human Adipose-derived Stem Cells. Scientific Reports, 2015, 5, 9596.	3.3	81
3	Cryopreservation of Human Mesenchymal Stem Cells for Clinical Applications: Current Methods and Challenges. Biopreservation and Biobanking, 2015, 13, 231-239.	1.0	60
4	Effect of hypoxia on human adipose-derived mesenchymal stem cells and its potential clinical applications. Cellular and Molecular Life Sciences, 2017, 74, 2587-2600.	5.4	60
5	Mechanoregulation of cardiac myofibroblast differentiation: implications for cardiac fibrosis and therapy. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H532-H542.	3.2	58
6	In Situ Normoxia Enhances Survival and Proliferation Rate of Human Adipose Tissue-Derived Stromal Cells without Increasing the Risk of Tumourigenesis. PLoS ONE, 2015, 10, e0115034.	2.5	56
7	Hypoxia enhances the viability, growth and chondrogenic potential of cryopreserved human adipose-derived stem cells. Cryobiology, 2017, 75, 91-99.	0.7	48
8	Paracrine Effects of Adipose-Derived Stem Cells on Matrix Stiffness-Induced Cardiac Myofibroblast Differentiation via Angiotensin II Type 1 Receptor and Smad7. Scientific Reports, 2016, 6, 33067.	3.3	46
9	The changes of stemness biomarkers expression in human adipose–derived stem cells during long–term manipulation. Biotechnology and Applied Biochemistry, 2011, 58, 261-270.	3.1	42
10	Biobanking of Human Mesenchymal Stem Cells: Future Strategy to Facilitate Clinical Applications. Advances in Experimental Medicine and Biology, 2016, 951, 99-110.	1.6	32
11	The Impact of Long-Term In Vitro Expansion on the Senescence-Associated Markers of Human Adipose-Derived Stem Cells. Applied Biochemistry and Biotechnology, 2012, 166, 2101-2113.	2.9	31
12	Biosafety and bioefficacy assessment of human mesenchymal stem cells: what do we know so far?. Regenerative Medicine, 2018, 13, 219-232.	1.7	31
13	The Effect of Nanoparticle-Incorporated Natural-Based Biomaterials towards Cells on Activated Pathways: A Systematic Review. Polymers, 2022, 14, 476.	4.5	31
14	Long-term *in vitro* expansion of human adipose-derived stem cells showed low risk of tumourigenicity. Journal of Tissue Engineering and Regenerative Medicine, 2014, 8, 67-76.	2.7	30
15	5-Azacytidine Is Insufficient For Cardiogenesis In Human Adipose-Derived Stem Cells. Journal of Negative Results in BioMedicine, 2012, 11, 3.	1.4	27
16	High-dimension space projection-based biometric encryption for fingerprint with fuzzy minutia. Soft Computing, 2016, 20, 4907-4918.	3.6	25
17	Current Development in Interdigital Transducer (IDT) Surface Acoustic Wave Devices for Live Cell In Vitro Studies: A Review. Micromachines, 2022, 13, 30.	2.9	24
18	Assessment of tumourigenic potential in long-term cryopreserved human adipose-derived stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2217-2226.	2.7	21

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19	Biomechanical and functional efficacy of knee sleeves: A literature review. Physical Therapy in Sport, 2017, 28, 44-52.	1.9	21
20	Non-Integrating Lentiviral Vectors in Clinical Applications: A Glance Through. Biomedicines, 2022, 10, 107.	3.2	20
21	The effects of hypoxia and serum-free conditions on the stemness properties of human adipose-derived stem cells. Cytotechnology, 2016, 68, 1859-1872.	1.6	19
22	Alteration of gene expression levels during osteogenic induction of human adipose derived stem cells in long-term culture. Cell and Tissue Banking, 2013, 14, 289-301.	1.1	18
23	Polarized Light-Based Cancer Cell Detection Techniques: A Review. IEEE Sensors Journal, 2019, 19, 9010-9025.	4.7	18
24	Impact of adipogenic differentiation on stemness and osteogenic gene expression in extensive culture of human adipose-derived stem cells. Archives of Medical Science, 2014, 3, 597-606.	0.9	16
25	Retropatellar fat padâ€"derived stem cells from older osteoarthritic patients have lesser differentiation capacity and expression of stemness genes. Cytotherapy, 2014, 16, 599-611.	0.7	13
26	Differential osteogenic potential of human adiposeâ€derived stem cells coâ€cultured with human osteoblasts on polymeric microfiber scaffolds. Journal of Biomedical Materials Research - Part A, 2016, 104, 377-387.	4.0	13
27	Security Enhancement for Data Migration in the Cloud. Future Internet, 2017, 9, 23.	3.8	13
28	A Review: Surface Plasmon Resonance-Based Biosensor for Early Screening of SARS-CoV2 Infection. IEEE Access, 2022, 10, 1228-1244.	4.2	13
29	Stem Cells and Cancer Stem Cells: The Jekyll and Hyde Scenario and Their Implications in Stem Cell Therapy. Biomedicines, 2021, 9, 1245.	3.2	12
30	CAR-T Cells/-NK Cells in Cancer Immunotherapy and the Potential of MSC to Enhance Its Efficacy: A Review. Biomedicines, 2022, 10, 804.	3.2	12
31	Mechanotransduction in Mesenchymal Stem Cells (MSCs) Differentiation: A Review. International Journal of Molecular Sciences, 2022, 23, 4580.	4.1	12
32	Immunomodulation and Regenerative Capacity of MSCs for Long-COVID. International Journal of Molecular Sciences, 2021, 22, 12421.	4.1	11
33	A Cancelable Fuzzy Vault Algorithm Based on Transformed Fingerprint Features. Chinese Journal of Electronics, 2017, 26, 236-243.	1.5	10
34	Effects of simple knee sleeves on pain and knee adduction moment in early unilateral knee osteoarthritis. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 1132-1140.	1.8	9
35	Suppression of the Viability and Proliferation of HepG2 Hepatocellular Carcinoma Cell Line by Konjac Glucomannan. Anti-Cancer Agents in Medicinal Chemistry, 2019, 18, 1258-1266.	1.7	9
36	Machine Learning in Stem Cells Research: Application for Biosafety and Bioefficacy Assessment. IEEE Access, 2021, 9, 25926-25945.	4.2	8

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37	Human serum promotes the proliferation but not the stemness genes expression of human adipose-derived stem cells. Biotechnology and Bioprocess Engineering, 2012, 17, 1306-1313.	2.6	7
38	Analysis of the information theoretically secret key agreement by public discussion. Security and Communication Networks, 2015, 8, 2507-2523.	1.5	7
39	Two Efficient Constructions for Biometric-Based Signature in Identity-Based Setting Using Bilinear Pairings. IEEE Access, 2021, 9, 25973-25983.	4.2	6
40	Polycaprolactone-Based Scaffolds Facilitates Osteogenic Differentiation of Human Adipose-Derived Stem Cells in a Co-Culture System. Polymers, 2021, 13, 597.	4.5	6
41	A Key Distribution Scheme for WSN Based on Hash Chains and Deployment Knowledge. International Journal of Distributed Sensor Networks, 2015, 11, 640792.	2.2	6
42	Modelling of Stem Cells Microenvironment Using Carbon-Based Scaffold for Tissue Engineering Applicationâ€"A Review. Polymers, 2021, 13, 4058.	4.5	6
43	Regenerative Medicine Therapy in Malaysia: An Update. Frontiers in Bioengineering and Biotechnology, 2022, 10, 789644.	4.1	6
44	Biosafety evaluation of culture-expanded human chondrocytes with growth factor cocktail: a preclinical study. Scientific Reports, 2020, 10, 21583.	3.3	5
45	Effects of Oral Glutathione Precursorsâ€™ Supplementation on Human Glutathione Level. IFMBE Proceedings, 2018, , 147-151.	0.3	1
46	Dielectrophoresis-based discrimination of hepatic carcinoma cells following treatment with cytotoxic agents. Engineering Science and Technology, an International Journal, 2021, 25, 100990-100990.	3.2	1
47	Valorisation of Human Hair and Its Derivatives in Tissue Engineering: A Review. Tissue Engineering - Part C: Methods, 2022, , .	2.1	1
48	A new certificateless self-identifiable ring signature scheme. , 2010, , .		0
49	A fingerprint and threshold scheme-based key generation method. , 2010, , .		0
50	The number of the isomorphism classes of hyperelliptic curves of genus four over finite fields. , 2010, , .		0
51	Formulations of some bit switching functions in DES. Wuhan University Journal of Natural Sciences, 2013, 18, 402-406.	0.4	0
52	Pre-process method for reducing initial bit mismatch rate in secret key generation based on wireless channel characteristics. , 2015, , .		0
53	The Effects of Oral Glutathione Supplementation on Human Volunteers: An Observation on Metabolic Syndrome Status. IFMBE Proceedings, 2018, , 219-224.	0.3	0
54	Predicting Blood Glucose Level in Malaysian Women Based on Glutathione and Anthropometric Parameters. Acta Scientiarum - Technology, 0, 43, e56373.	0.4	0

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55	Characteristics of the 11-Mercaptoundecanoic Acid (11-MUA) Binding to Gold Surface as Self-Assembled Monolayer (SAM) for SPR based Biosensor. , 2022, , .		0