Adetola B Adesida

List of Publications by Year
in descending order

83 papers	2,977 citations	159585 30 h-index	175258 52 g-index
87 all docs	87 docs citations	87 times ranked	3965 citing authors

#	Article	IF	Citations
1	Enhanced chondrocyte proliferation and mesenchymal stromal cells chondrogenesis in coculture pellets mediate improved cartilage formation. Journal of Cellular Physiology, 2012, 227, 88-97.	4.1	219
2	Hypoxic conditions increase hypoxia-inducible transcription factor 2Î± and enhance chondrogenesis in stem cells from the infrapatellar fat pad of osteoarthritis patients. Arthritis Research and Therapy, 2007, 9, R55.	3.5	183
3	Hypoxia mediated isolation and expansion enhances the chondrogenic capacity of bone marrow mesenchymal stromal cells. Stem Cell Research and Therapy, 2012, 3, 9.	5.5	169
4	Recent Trends in Decellularized Extracellular Matrix Bioinks for 3D Printing: An Updated Review. International Journal of Molecular Sciences, 2019, 20, 4628.	4.1	160
5	Mesenchymal stem cells in the treatment of traumatic articular cartilage defects: a comprehensive review. Arthritis Research and Therapy, 2014, 16, 432.	3.5	159
6	Human Mesenchymal Stem Cells Protect Human Islets from Pro-Inflammatory Cytokines. PLoS ONE, 2012, 7, e38189.	2.5	112
7	Differential cartilaginous tissue formation by human synovial membrane, fat pad, meniscus cells and articular chondrocytes. Osteoarthritis and Cartilage, 2007, 15, 48-58.	1.3	89
8	Biomimetic 3D printed scaffolds for meniscus tissue engineering. Bioprinting, 2017, 8, 1-7.	5.8	80
9	Human infrapatellar fat pad-derived stem cells express the pericyte marker 3G5 and show enhanced chondrogenesis after expansion in fibroblast growth factor-2. Arthritis Research and Therapy, 2008, 10, R74.	3.5	79
10	Hypoxic culture of bone marrow-derived mesenchymal stromal stem cells differentially enhances in vitro chondrogenesis within cell-seeded collagen and hyaluronic acid porous scaffolds. Stem Cell Research and Therapy, 2015, 6, 84.	5.5	75
11	Meniscus repair using mesenchymal stem cells â€“ a comprehensive review. Stem Cell Research and Therapy, 2015, 6, 86.	5.5	73
12	The epitope characterisation and the osteogenic differentiation potential of human fat pad-derived stem cells is maintained with ageing in later life. Injury, 2009, 40, 150-157.	1.7	69
13	Bone marrowâ€derived mesenchymal stem cells express the pericyte marker 3G5 in culture and show enhanced chondrogenesis in hypoxic conditions. Journal of Orthopaedic Research, 2010, 28, 834-840.	2.3	67
14	The matrix-forming phenotype of cultured human meniscus cells is enhanced after culture with fibroblast growth factor 2 and is further stimulated by hypoxia. Arthritis Research and Therapy, 2006, 8, R61.	3.5	66
15	Vitrification of intact human articular cartilage. Biomaterials, 2012, 33, 6061-6068.	11.4	66
16	Tieâ€fibre structure and organization in the knee menisci. Journal of Anatomy, 2014, 224, 531-537.	1.5	62
17	Current Clinical Therapies for Cartilage Repair, their Limitation and the Role of Stem Cells. Current Stem Cell Research and Therapy, 2012, 7, 143-148.	1.3	61
18	Fat padâ€derived mesenchymal stem cells as a potential source for cellâ€based adipose tissue repair strategies. Cell Proliferation, 2012, 45, 111-120.	5.3	57

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19	Human meniscus cells express hypoxia inducible factor-1Î± and increased SOX9 in response to low oxygen tension in cell aggregate culture. Arthritis Research and Therapy, 2007, 9, R69.	3.5	54
20	Osteogenic Differentiation of Human Mesenchymal Stem Cells Cultured with Dexamethasone, Vitamin D3, Basic Fibroblast Growth Factor, and Bone Morphogenetic Protein-2. Connective Tissue Research, 2012, 53, 117-131.	2.3	52
21	Improved islet recovery and efficacy through co-culture and co-transplantation of islets with human adipose-derived mesenchymal stem cells. PLoS ONE, 2018, 13, e0206449.	2.5	49
22	Anatomical study: comparing the human, sheep and pig knee meniscus. Journal of Experimental Orthopaedics, 2016, 3, 35.	1.8	48
23	Chondrogenic differentiation of synovial fluid mesenchymal stem cells on human meniscus-derived decellularized matrix requires exogenous growth factors. Acta Biomaterialia, 2018, 80, 131-143.	8.3	47
24	Current concepts on structureâ€“function relationships in the menisci. Connective Tissue Research, 2017, 58, 271-281.	2.3	45
25	Inhibition of human leukaemia 60 cell growth by mercapturic acid metabolites of phenylethyl isothiocyanate. Food and Chemical Toxicology, 1996, 34, 385-392.	3.6	39
26	Cotransplantation of Mesenchymal Stem Cells With Neonatal Porcine Islets Improve Graft Function in Diabetic Mice. Diabetes, 2017, 66, 1312-1321.	0.6	38
27	Mimicking â€œJ-Shapedâ€•and Anisotropic Stressâ€“Strain Behavior of Human and Porcine Aorta by Fabric-Reinforced Elastomer Composites. ACS Applied Materials & Interfaces, 2019, 11, 33323-33335.	8.0	38
28	Hypoxia-increased expression of genes involved in inflammation, dedifferentiation, pro-fibrosis, and extracellular matrix remodeling of human bladder smooth muscle cells. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 58-66.	1.5	34
29	Plasticity of Human Meniscus Fibrochondrocytes: A Study on Effects of Mitotic Divisions and Oxygen Tension. Scientific Reports, 2017, 7, 12148.	3.3	33
30	Matrix formation is enhanced in co-cultures of human meniscus cells with bone marrow stromal cells. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 965-973.	2.7	32
31	Optimal Seeding Densities for <i>In Vitro</i> Chondrogenesis of Two- and Three-Dimensional-Isolated and -Expanded Bone Marrow-Derived Mesenchymal Stromal Stem Cells Within a Porous Collagen Scaffold. Tissue Engineering - Part C: Methods, 2016, 22, 208-220.	2.1	28
32	Strategies to Mitigate Variability in Engineering Human Nasal Cartilage. Scientific Reports, 2017, 7, 6490.	3.3	28
33	Articular Cartilage Repair with Mesenchymal Stem Cells After Chondrogenic Priming: A Pilot Study. Tissue Engineering - Part A, 2018, 24, 761-774.	3.1	28
34	Matrix forming characteristics of inner and outer human meniscus cells on 3D collagen scaffolds under normal and low oxygen tensions. BMC Musculoskeletal Disorders, 2013, 14, 353.	1.9	27
35	The structural and compositional transition of the meniscal roots into the fibrocartilage of the menisci. Journal of Anatomy, 2015, 226, 169-174.	1.5	25
36	Decreased hypertrophic differentiation accompanies enhanced matrix formation in co-cultures of outer meniscus cells with bone marrow mesenchymal stromal cells. Arthritis Research and Therapy, 2012, 14, R153.	3.5	24

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37	Oxygen Tension Is a Determinant of the Matrix-Forming Phenotype of Cultured Human Meniscal Fibrochondrocytes. PLoS ONE, 2012, 7, e39339.	2.5	24
38	The Effects of Ageing on Proliferation Potential, Differentiation Potential and Cell Surface Characterisation of Human Mesenchymal Stem Cells. Current Stem Cell Research and Therapy, 2012, 7, 282-286.	1.3	22
39	Bioprinting of human nasoseptal chondrocytesâ€laden collagen hydrogel for cartilage tissue engineering. FASEB Journal, 2021, 35, e21191.	0.5	22
40	Inhibition of human leukaemia 60 cell growth by S-d-lactoylglutathione in vitro. Mediation by metabolism to N-d-lactoylcysteine and induction of apoptosis. Leukemia Research, 1996, 20, 17-26.	0.8	18
41	Coculture of meniscus cells and mesenchymal stem cells in simulated microgravity. Npj Microgravity, 2017, 3, 28.	3.7	18
42	Mesenchymal stem cells inhibit hypoxia-induced inflammatory and fibrotic pathways in bladder smooth muscle cells. World Journal of Urology, 2018, 36, 1157-1165.	2.2	18
43	Immunohistochemical characterization of reparative tissue present in human osteoarthritic tissue. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2010, 456, 561-569.	2.8	16
44	Coâ€transplantation of human adiposeâ€derived mesenchymal stem cells with neonatal porcine islets within a prevascularized subcutaneous space augments the xenograft function. Xenotransplantation, 2020, 27, e12581.	2.8	16
45	Osteoarthritic human chondrocytes proliferate in 3D coâ€culture with mesenchymal stem cells in suspension bioreactors. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e1418-e1432.	2.7	15
46	Bone Marrow Mesenchymal Stem Cell-Derived Tissues are Mechanically Superior to Meniscus Cells. Tissue Engineering - Part A, 2021, 27, 914-928.	3.1	15
47	Effect of cell seeding density on matrixâ€forming capacity of meniscus fibrochondrocytes and nasal chondrocytes in meniscus tissue engineering. FASEB Journal, 2020, 34, 5538-5551.	0.5	15
48	A Systematic Review of Tissue Engineered Meniscus: Cell-Based Preclinical Models. Current Stem Cell Research and Therapy, 2013, 8, 222-231.	1.3	15
49	Calcaneal Tendon Plasticity Following Gastrocnemius Muscle Injury in Rat. Frontiers in Physiology, 2019, 10, 1098.	2.8	14
50	Mesenchymal stem cell therapy inhibited inflammatory and profibrotic pathways induced by partial bladder outlet obstruction and prevented high-pressure urine storage. Journal of Pediatric Urology, 2019, 15, 254.e1-254.e10.	1.1	14
51	Hypoxia and TGF-Î²3 Synergistically Mediate Inner Meniscus-Like Matrix Formation by Fibrochondrocytes. Tissue Engineering - Part A, 2019, 25, 446-456.	3.1	14
52	TEMPO-Oxidized Cellulose Nanofiber-Alginate Hydrogel as a Bioink for Human Meniscus Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2021, 9, 766399.	4.1	14
53	Effect of interleukin-1Î² treatment on co-cultures of human meniscus cells and bone marrow mesenchymal stromal cells. BMC Musculoskeletal Disorders, 2013, 14, 216.	1.9	12
54	Mechano-Hypoxia Conditioning of Engineered Human Meniscus. Frontiers in Bioengineering and Biotechnology, 2021, 9, 739438.	4.1	12

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55	Human engineered meniscus transcriptome after short-term combined hypoxia and dynamic compression. Journal of Tissue Engineering, 2021, 12, 204173142199084.	5.5	12
56	Stem Cell and Tissue Engineering Applications in Orthopaedics and Musculoskeletal Medicine. Stem Cells International, 2012, 2012, 1-2.	2.5	10
57	Angiogenic approaches to meniscal healing. Injury, 2018, 49, 467-472.	1.7	10
58	Histological and molecular characterization of the growing nasal septum in mice. Journal of Anatomy, 2021, 238, 751-764.	1.5	10
59	Suppression of Hypertrophy During in vitro Chondrogenesis of Cocultures of Human Mesenchymal Stem Cells and Nasal Chondrocytes Correlates With Lack of in vivo Calcification and Vascular Invasion. Frontiers in Bioengineering and Biotechnology, 2020, 8, 572356.	4.1	10
60	Engineered Human Meniscus in Modeling Sex Differences of Knee Osteoarthritis in Vitro. Frontiers in Bioengineering and Biotechnology, 2022, 10, 823679.	4.1	10
61	A Systematic Review of Tissue Engineered Meniscus and Replacement Strategies: Preclinical Models. Current Stem Cell Research and Therapy, 2013, 8, 232-242.	1.3	9
62	Stem Cell Therapy: Current Applications and Potential for Urology. Current Urology Reports, 2015, 16, 77.	2.2	9
63	Re-Differentiation of Human Meniscus Fibrochondrocytes Differs in Three-Dimensional Cell Aggregates and Decellularized Human Meniscus Matrix Scaffolds. Annals of Biomedical Engineering, 2020, 48, 968-979.	2.5	8
64	Paternal Resistance Training Modulates Calcaneal Tendon Proteome in the Offspring Exposed to High-Fat Diet. Frontiers in Cell and Developmental Biology, 2020, 8, 380.	3.7	8
65	In vitro maturation and in vivo stability of bioprinted human nasal cartilage. Journal of Tissue Engineering, 2022, 13, 204173142210863.	5.5	8
66	Ethylene glycol and glycerol loading and unloading in porcine meniscal tissue. Cryobiology, 2017, 74, 50-60.	0.7	7
67	Engineered human meniscusâ€™ matrix-forming phenotype is unaffected by low strain dynamic compression under hypoxic conditions. PLoS ONE, 2021, 16, e0248292.	2.5	7
68	Clinical Studies Using Biological and Synthetic Materials for Meniscus Replacement. Current Stem Cell Research and Therapy, 2017, 12, 348-353.	1.3	7
69	Nasal Septum Deviation as the Consequence of BMP-Controlled Changes to Cartilage Properties. Frontiers in Cell and Developmental Biology, 2021, 9, 696545.	3.7	5
70	Applications of Stem Cell Therapy for Physeal Injuries.. Current Stem Cell Research and Therapy, 2013, 8, 451-455.	1.3	5
71	Nonepitopic antibody binding sequence: implications in screening and development of peptide vaccines. Vaccine, 1999, 18, 315-320.	3.8	4
72	Time course of 3D fibrocartilage formation by expanded human meniscus fibrochondrocytes in hypoxia. Journal of Orthopaedic Research, 2022, 40, 495-503.	2.3	4

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73	Porous Scaffold Seeding and Chondrogenic Differentiation of BMSC-seeded Scaffolds. Bio-protocol, 2015, 5, .	0.4	4
74	Mechanotransduction in meniscus fibrochondrocytes: What about caveolae?. Journal of Cellular Physiology, 2022, 237, 1171-1181.	4.1	4
75	Inability of Low Oxygen Tension to Induce Chondrogenesis in Human Infrapatellar Fat Pad Mesenchymal Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 703038.	3.7	3
76	The use of nanotechnology in tendon regeneration and repair. Journal of Stem Cells, 2012, 7, 121-6.	1.0	2
77	Nasal Chondrocyte-Derived Soluble Factors Affect Chondrogenesis of Cocultured Mesenchymal Stem Cells. Tissue Engineering - Part A, 2021, 27, 37-49.	3.1	1
78	Embryonic versus mesenchymal stem cells in cartilage repair. Journal of Stem Cells, 2012, 7, 105-11.	1.0	1
79	Facile synthesis of (R)N-2-hydroxyacyl-L-cysteine derivatives: (R)N-2-hydroxyacyl transfer from enzymatically-synthesized (R)S-2-hydroxyacylglutathione derivatives to L-cysteine. Amino Acids, 1995, 9, 185-189.	2.7	1
80	Optimizing methods to generate tissue engineered cartilage constructs under serum free conditions in suspension culture. Osteoarthritis and Cartilage, 2015, 23, A415-A416.	1.3	0
81	A Systematic Review of Tissue Engineered Meniscus Strategies: Experimental Preclinical Studies. Current Stem Cell Research and Therapy, 2013, 999, 1-7.	1.3	0
82	Addressing Rheological Issues at the Micro-Extrusion and Layer-Stacking Stages of Collagen Bioprinting. SSRN Electronic Journal, 0, , .	0.4	0
83	PD09-08â€ƒINTRAPERITONEAL ADMINISTRATION OF MESENCHYMAL STEM CELLS IS EFFECTIVE IN PREVENTING DETRUSOR DYSFUNCTION AFTER PARTIAL BLADDER OUTLET OBSTRUCTION. Journal of Urology, 2019, 201, .	0.4	0