

Andre J Van Wijnen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

656
papers

34,676
citations

91
h-index

160
g-index

700
ext. papers

39,622
ext. citations

5.7
avg, IF

6.82
L-index

#	Paper	IF	Citations
656	Intra-articular celecoxib improves knee extension regardless of surgical release in a rabbit model of arthrofibrosis.. <i>Bone and Joint Research</i> , 2022 , 11, 32-39	4.2	1
655	FGFR2 accommodates osteogenic cell fate determination in human mesenchymal stem cells.. <i>Gene</i> , 2022 , 146199	3.8	0
654	Architectural control of mesenchymal stem cell phenotype through nuclear actin.. <i>Nucleus</i> , 2022 , 13, 35-48	3.9	
653	Brd4 is required for chondrocyte differentiation and endochondral ossification. <i>Bone</i> , 2022 , 154, 116234	4.7	0
652	Altered TGFB1 regulated pathways promote accelerated tendon healing in the superhealer MRL/MpJ mouse.. <i>Scientific Reports</i> , 2022 , 12, 3026	4.9	1
651	Population-level Patterns of Prostate Cancer Occurrence: Disparities in Virginia. <i>Current Molecular Biology Reports</i> , 2022 , 8, 1-8	2	
650	Lysine-Specific Demethylase 1 (LSD1) epigenetically controls osteoblast differentiation.. <i>PLoS ONE</i> , 2022 , 17, e0265027	3.7	2
649	Revision Surgery After TJR: A Family Affair?. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022 , 104, e29	5.6	
648	LncMIR181A1HG is a novel chromatin-bound epigenetic suppressor of early stage osteogenic lineage commitment.. <i>Scientific Reports</i> , 2022 , 12, 7770	4.9	
647	Lactobacillus acidophilus Mitigates Osteoarthritis-Associated Pain, Cartilage Disintegration and Gut Microbiota Dysbiosis in an Experimental Murine OA Model. <i>Biomedicines</i> , 2022 , 10, 1298	4.8	1
646	Multiphasic scaffold for scapholunate interosseous ligament reconstruction: A study in the rabbit knee. <i>Journal of Orthopaedic Research</i> , 2021 , 39, 1811-1824	3.8	3
645	MicroRNA-141 and miR-200a induce the chondrogenic cell fate in human periodontal ligament cells by targeting TWIST2 and KLF12. <i>Gene Reports</i> , 2021 , 25, 101414	1.4	0
644	Biological Effects of Gyrophoric Acid and Other Lichen Derived Metabolites, on Cell Proliferation, Apoptosis and Cell Signaling pathways. <i>Chemico-Biological Interactions</i> , 2021 , 351, 109768	5	1
643	ANTERIOR CRUCIATE LIGAMENT GRAFT HEALING BY PEPTIDE-BASED VASCULAR ENDOTHELIAL GROWTH FACTOR AND BONE MORPHOGENETIC PROTEIN RECRUITMENT. <i>Journal of Cartilage & Joint Preservation</i> , 2021 , 100030		
642	Hinfp is a guardian of the somatic genome by repressing transposable elements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
641	Differences in Cytotoxicity of Lidocaine, Ropivacaine, and Bupivacaine on the Viability and Metabolic Activity of Human Adipose-Derived Mesenchymal Stem Cells. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021 , 100, 82-91	2.6	4
640	Global epigenetic alterations of mesenchymal stem cells in obesity: the role of vitamin C reprogramming. <i>Epigenetics</i> , 2021 , 16, 705-717	5.7	6

639	Cell Surface Glycoprotein CD24 Marks Bone Marrow-Derived Human Mesenchymal Stem/Stromal Cells with Reduced Proliferative and Differentiation Capacity In Vitro. <i>Stem Cells and Development</i> , 2021 , 30, 325-336	4.4	0
638	Hypoxic preconditioning induces epigenetic changes and modifies swine mesenchymal stem cell angiogenesis and senescence in experimental atherosclerotic renal artery stenosis. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 240	8.3	5
637	Diabetic Kidney Disease Alters the Transcriptome and Function of Human Adipose-Derived Mesenchymal Stromal Cells but Maintains Immunomodulatory and Paracrine Activities Important for Renal Repair. <i>Diabetes</i> , 2021 , 70, 1561-1574	0.9	5
636	Absence de marqueurs synoviaux spécifiques pour les rvisions de prothèse totale de genou pour arthrofibrose. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2021 , 107, 315	0	
635	Human meniscus allograft augmentation by allogeneic mesenchymal stromal/stem cell injections. <i>Journal of Orthopaedic Research</i> , 2021 ,	3.8	1
634	Absence of signature inflammatory markers in synovial fluid for total knee arthroplasties revised for arthrofibrosis. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2021 , 107, 102870	2.9	0
633	The Micro-RNA Cargo of Extracellular Vesicles Released by Human Adipose Tissue-Derived Mesenchymal Stem Cells Is Modified by Obesity. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 660851	5.7	2
632	Lamin A/C Is Dispensable to Mechanical Repression of Adipogenesis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
631	Is Essential for Patterning of Multiple Musculoskeletal Tissues but Dispensable for Tendon Differentiation. <i>Stem Cells and Development</i> , 2021 , 30, 601-609	4.4	2
630	Gut-microbiota modulation: The impact of thegut-microbiotaon osteoarthritis. <i>Gene</i> , 2021 , 785, 145619	3.8	6
629	Brd4 Inactivation Increases Adenoviral Delivery of BMP2 for Paracrine Stimulation of Osteogenic Differentiation as a Gene Therapeutic Concept to Enhance Bone Healing. <i>JBMR Plus</i> , 2021 , 5, e10520	3.9	0
628	Constitutive activation of NF- κ B inducing kinase (NIK) in the mesenchymal lineage using Osterix (Sp7)- or Fibroblast-specific protein 1 (S100a4)-Cre drives spontaneous soft tissue sarcoma. <i>PLoS ONE</i> , 2021 , 16, e0254426	3.7	2
627	The dynamic broad epigenetic (H3K4me3, H3K27ac) domain as a mark of essential genes. <i>Clinical Epigenetics</i> , 2021 , 13, 138	7.7	4
626	Toward a Genetic Crystal Ball for Patients with Rotator Cuff Disease: Commentary on an article by Elizabeth L. Yanik, PhD, ScM, et al.: "Identification of a Novel Genetic Marker for Risk of Degenerative Rotator Cuff Disease Surgery in the UK Biobank". <i>Journal of Bone and Joint Surgery - Series A</i> , 2021 , 103, e55	5.6	
625	Relative mRNA and protein stability of epigenetic regulators in musculoskeletal cell culture models. <i>Gene</i> , 2021 , 766, 145032	3.8	1
624	Inhibition of the catalytic subunit of DNA-dependent protein kinase (DNA-PKcs) stimulates osteoblastogenesis by potentiating bone morphogenetic protein 2 (BMP2) responses. <i>Journal of Cellular Physiology</i> , 2021 , 236, 1195-1213	7	2
623	Autogenous Arteriovenous Bundle Implantation Maintains Viability Without Increased Immune Response in Large Porcine Bone Allografts. <i>Transplantation Proceedings</i> , 2021 , 53, 417-426	1.1	
622	Myeloma-Modified Adipocytes Exhibit Metabolic Dysfunction and a Senescence-Associated Secretory Phenotype. <i>Cancer Research</i> , 2021 , 81, 634-647	10.1	17

621	Combination of BMP2 and EZH2 Inhibition to Stimulate Osteogenesis in a 3D Bone Reconstruction Model. <i>Tissue Engineering - Part A</i> , 2021 , 27, 1084-1098	3.9	6
620	Low-Dose Tamoxifen Induces Significant Bone Formation in Mice. <i>JBMR Plus</i> , 2021 , 5, e10450	3.9	2
619	Biological functions of chromobox (CBX) proteins in stem cell self-renewal, lineage-commitment, cancer and development. <i>Bone</i> , 2021 , 143, 115659	4.7	13
618	Gene expression profiles of human adipose-derived mesenchymal stem cells dynamically seeded on clinically available processed nerve allografts and collagen nerve guides. <i>Neural Regeneration Research</i> , 2021 , 16, 1613-1621	4.5	3
617	VEGF functionalization of suture tape results in decreased graft inflammatory and catabolic response in a rabbit model of ACL reconstruction. <i>Journal of Cartilage & Joint Preservation</i> , 2021 , 1, 100003		
616	Alterations of mesenchymal stromal cells in cerebrospinal fluid: insights from transcriptomics and an ALS clinical trial. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 187	8.3	2
615	Fibroblastic differentiation of mesenchymal stem/stromal cells (MSCs) is enhanced by hypoxia in 3D cultures treated with bone morphogenetic protein 6 (BMP6) and growth and differentiation factor 5 (GDF5). <i>Gene</i> , 2021 , 788, 145662	3.8	0
614	Metabolic Syndrome Is Associated With Altered mRNA and miRNA Content in Human Circulating Extracellular Vesicles. <i>Frontiers in Endocrinology</i> , 2021 , 12, 687586	5.7	1
613	Acquired Idiopathic Stiffness After Contemporary Total Knee Arthroplasty: Incidence, Risk Factors, and Results Over 25 Years. <i>Journal of Arthroplasty</i> , 2021 , 36, 2980-2985	4.4	0
612	Differentially Expressed Functional lncRNAs in Human Subjects With Metabolic Syndrome Reflect a Competing Endogenous RNA Network in Circulating Extracellular Vesicles. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 667056	5.6	1
611	Ezh2 knockout in mesenchymal cells causes enamel hyper-mineralization. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 567, 72-78	3.4	1
610	Surface Roughness of Titanium Orthopedic Implants Alters the Biological Phenotype of Human Mesenchymal Stromal Cells. <i>Tissue Engineering - Part A</i> , 2021 ,	3.9	4
609	Identification of novel therapeutic targets for contrast induced acute kidney injury (CI-AKI): alpha blockers as a therapeutic strategy for CI-AKI. <i>Translational Research</i> , 2021 , 235, 32-47	11	0
608	Arabidopsis thaliana and Oryza sativa receptor for activated C kinase 1 (RACK1) mediated signaling pathway shows hypersensitivity to oxidative stress. <i>Plant Gene</i> , 2021 , 27, 100299	3.1	0
607	Multiple pharmacological inhibitors targeting the epigenetic suppressor enhancer of zeste homolog 2 (Ezh2) accelerate osteoblast differentiation. <i>Bone</i> , 2021 , 150, 115993	4.7	8
606	Osteoblast biology: developmental origin and interactive nature of osteoblasts 2021 , 111-134		
605	Polysaccharide from Angelica sinensis attenuates SNP-induced apoptosis in osteoarthritis chondrocytes by inducing autophagy via the ERK1/2 pathway. <i>Arthritis Research and Therapy</i> , 2021 , 23, 47	5.7	4
604	Engineering Cartilage Tissue by Co-culturing of Chondrocytes and Mesenchymal Stromal Cells. <i>Methods in Molecular Biology</i> , 2021 , 2221, 53-70	1.4	2

603	Introducing human adipose-derived mesenchymal stem cells to Avance nerve grafts and NeuraGen nerve guides. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020 , 73, 1473-1481	1.7	2
602	Human Fibrosis: Is There Evidence for a Genetic Predisposition in Musculoskeletal Tissues?. <i>Journal of Arthroplasty</i> , 2020 , 35, 3343-3352	4.4	7
601	Total Protein Staining is Superior to Classical or Tissue-Specific Protein Staining for Standardization of Protein Biomarkers in Heterogeneous Tissue Samples. <i>Gene Reports</i> , 2020 , 19, 100641-100641	1.4	1
600	Molecular pathology of human knee arthrofibrosis defined by RNA sequencing. <i>Genomics</i> , 2020 , 112, 2703-2712	4.3	13
599	Reduction of arthrofibrosis utilizing a collagen membrane drug-eluting scaffold with celecoxib and subcutaneous injections with ketotifen. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 2474-2483	3.8	7
598	Therapeutic Effect of Adipose Derived Mesenchymal Stem Cell Transplantation in Reducing Restenosis in a Murine Angioplasty Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 1781-1795	12.7	12
597	Surgical angiogenesis modifies the cellular environment of nerve allografts in a rat sciatic nerve defect model. <i>Gene</i> , 2020 , 751, 144711	3.8	4
596	Functional expression of ZNF467 and PCBP2 supports adipogenic lineage commitment in adipose-derived mesenchymal stem cells. <i>Gene</i> , 2020 , 737, 144437	3.8	1
595	Topical vancomycin for treatment of methicillin-resistant Staphylococcus epidermidis infection in a rat spinal implant model. <i>Spine Deformity</i> , 2020 , 8, 553-559	2	2
594	Mechanical strain-mediated reduction in RANKL expression is associated with RUNX2 and BRD2. <i>Gene: X</i> , 2020 , 5, 100027	2.1	8
593	Identification of osteolineage cell-derived extracellular vesicle cargo implicated in hematopoietic support. <i>FASEB Journal</i> , 2020 , 34, 5435-5452	0.9	5
592	FSTL1 promotes nitric oxide-induced chondrocyte apoptosis via activating the SAPK/JNK/caspase3 signaling pathway. <i>Gene</i> , 2020 , 732, 144339	3.8	5
591	Phenotypic, Transcriptional, and Functional Analysis of Liver Mesenchymal Stromal Cells and Their Immunomodulatory Properties. <i>Liver Transplantation</i> , 2020 , 26, 549-563	4.5	5
590	Spine Disorders and Regenerative Rehabilitation. <i>Current Physical Medicine and Rehabilitation Reports</i> , 2020 , 8, 30-36	0.7	1
589	βCatenin Preserves the Stem State of Murine Bone Marrow Stromal Cells Through Activation of EZH2. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1149-1162	6.3	22
588	Inhibition of the epigenetic suppressor EZH2 primes osteogenic differentiation mediated by BMP2. <i>Journal of Biological Chemistry</i> , 2020 , 295, 7877-7893	5.4	27
587	Epigenetic Control of Osteoblast Differentiation by Chromobox 3 (Cbx3) Protein 3. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
586	Challenges in the Measurement and Interpretation of Serum Titanium Concentrations. <i>Biological Trace Element Research</i> , 2020 , 196, 20-26	4.5	4

585	Neo-Angiogenesis, Transplant Viability, and Molecular Analyses of Vascularized Bone Allotransplantation Surgery in a Large Animal Model. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 288-296 ^{3.8}		1
584	The epigenetic reader Brd4 is required for osteoblast differentiation. <i>Journal of Cellular Physiology</i> , 2020 , 235, 5293-5304	7	9
583	Absence of VEGFR-1/Flt-1 signaling pathway in mice results in insensitivity to discogenic low back pain in an established disc injury mouse model. <i>Journal of Cellular Physiology</i> , 2020 , 235, 5305-5317	7	5
582	Response to Letter to the Editor on "Cobalt and Chromium Ion Release in Metal-on-Polyethylene and Ceramic-on-Polyethylene THA: A Simulator Study With Cellular and Microbiological Correlations". <i>Journal of Arthroplasty</i> , 2020 , 35, 1167	4.4	
581	Enhancing the Efficacy of Stem Cell Therapy with Glycosaminoglycans. <i>Stem Cell Reports</i> , 2020 , 14, 105-121		5
580	ECHO, the executable CHondrocyte: A computational model to study articular chondrocytes in health and disease. <i>Cellular Signalling</i> , 2020 , 68, 109471	4.9	6
579	Light chain amyloidosis induced inflammatory changes in cardiomyocytes and adipose-derived mesenchymal stromal cells. <i>Leukemia</i> , 2020 , 34, 1383-1393	10.7	9
578	Sustained perfusion of revascularized bioengineered livers heterotopically transplanted into immunosuppressed pigs. <i>Nature Biomedical Engineering</i> , 2020 , 4, 437-445	19	17
577	Cobalt and Chromium Ion Release in Metal-on-Polyethylene and Ceramic-on-Polyethylene THA: A Simulator Study With Cellular and Microbiological Correlations. <i>Journal of Arthroplasty</i> , 2020 , 35, 1123-1129	11.9	8
576	Genetic background dependent modifiers of craniosynostosis severity. <i>Journal of Structural Biology</i> , 2020 , 212, 107629	3.4	0
575	A Potential Theragnostic Regulatory Axis for Arthrofibrosis Involving Adiponectin (ADIPOQ) Receptor 1 and 2 (ADIPOR1 and ADIPOR2), TGF β , and Smooth Muscle α Actin (ACTA2). <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
574	Autophagy Is Involved in Mesenchymal Stem Cell Death in Coculture with Chondrocytes. <i>Cartilage</i> , 2020 , 1947603520941227	3	1
573	Anti-fibrotic effects of the antihistamine ketotifen in a rabbit model of arthrofibrosis. <i>Bone and Joint Research</i> , 2020 , 9, 302-310	4.2	6
572	Injectable Biologics: What Is the Evidence?. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2020 , 99, 950-960	2.6	6
571	Adhesion, distribution, and migration of differentiated and undifferentiated mesenchymal stem cells (MSCs) seeded on nerve allografts. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020 , 73, 81-89	1.7	6
570	Hypothermia and nutrient deprivation alter viability of human adipose-derived mesenchymal stem cells. <i>Gene</i> , 2020 , 722, 144058	3.8	3
569	Gene expression profiles of differentiated and undifferentiated adipose derived mesenchymal stem cells dynamically seeded onto a processed nerve allograft. <i>Gene</i> , 2020 , 724, 144151	3.8	14
568	Knockdown of formin mDia2 alters lamin B1 levels and increases osteogenesis in stem cells. <i>Stem Cells</i> , 2020 , 38, 102-117	5.8	8

567	Transcriptomic Analysis of Cellular Pathways in Healing Flexor Tendons of Plasminogen Activator Inhibitor 1 (PAI-1/Serpine1) Null Mice. <i>Journal of Orthopaedic Research</i> , 2020 , 38, 43-58	3.8	10
566	Transplant chimerism in porcine structural vascularized bone allotransplants. <i>Gene</i> , 2020 , 747, 144627	3.8	
565	Lumbar intervertebral disc mRNA sequencing identifies the regulatory pathway in patients with disc herniation and spondylolisthesis. <i>Gene</i> , 2020 , 750, 144634	3.8	5
564	Defining the baseline transcriptional fingerprint of rabbit hamstring autograft. <i>Gene Reports</i> , 2019 , 15, 100363	1.4	4
563	Induction of chondrogenic or mesenchymal stem cells from human periodontal ligament cells through inhibition of Twist2 or Klf12. <i>Journal of Oral Science</i> , 2019 , 61, 313-320	1.5	4
562	Seeding decellularized nerve allografts with adipose-derived mesenchymal stromal cells: An in vitro analysis of the gene expression and growth factors produced. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019 , 72, 1316-1325	1.7	11
561	Circulating microRNA-23b as a new biomarker for rheumatoid arthritis. <i>Gene</i> , 2019 , 712, 143911	3.8	16
560	Extracellular vesicles from osteosarcoma cell lines contain miRNAs associated with cell adhesion and apoptosis. <i>Gene</i> , 2019 , 710, 246-257	3.8	25
559	Gene regulation through dynamic actin control of nuclear structure. <i>Experimental Biology and Medicine</i> , 2019 , 244, 1345-1353	3.7	11
558	A Versatile Protocol for Studying Anterior Cruciate Ligament Reconstruction in a Rabbit Model. <i>Tissue Engineering - Part C: Methods</i> , 2019 , 25, 191-196	2.9	4
557	TG-interacting factor 1 (Tgif1)-deficiency attenuates bone remodeling and blunts the anabolic response to parathyroid hormone. <i>Nature Communications</i> , 2019 , 10, 1354	17.4	16
556	Targeted stimulation of MSCs in peripheral nerve repair. <i>Gene</i> , 2019 , 710, 17-23	3.8	24
555	Higher order genomic organization and epigenetic control maintain cellular identity and prevent breast cancer. <i>Genes Chromosomes and Cancer</i> , 2019 , 58, 484-499	5	9
554	Epigenetics as a New Frontier in Orthopedic Regenerative Medicine and Oncology. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1465-1474	3.8	32
553	Alterations in genetic and protein content of swine adipose tissue-derived mesenchymal stem cells in the metabolic syndrome. <i>Stem Cell Research</i> , 2019 , 37, 101423	1.6	12
552	Inhibition of COX-2 Pathway as a Potential Prophylaxis Against Arthrofibrogenesis in a Rabbit Model of Joint Contracture. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 2609-2620	3.8	16
551	Scapholunate Ligament Internal Brace 360 Tenodesis (SLITT) Procedure: A Biomechanical Study. <i>Journal of Wrist Surgery</i> , 2019 , 8, 250-254	1.1	5
550	Fresh Osteochondral Allograft Transplantation in the Knee: A Viability and Histologic Analysis for Optimizing Graft Viability and Expanding Existing Standard Processed Graft Resources Using a Living Donor Cartilage Program. <i>Cartilage</i> , 2019 , 1947603519880330	3	8

549	MicroRNA Applications in Marine Biology. <i>Current Molecular Biology Reports</i> , 2019 , 5, 167-175	2	2
548	Effect of Lidocaine on Viability and Gene Expression of Human Adipose-derived Mesenchymal Stem Cells: An in vitro Study. <i>PM and R</i> , 2019 , 11, 1218-1227	2.2	4
547	assessment of high-molecular-weight polyethylene core suture tape for intra-articular ligament reconstruction: an animal study. <i>Bone and Joint Journal</i> , 2019 , 101-B, 1238-1247	5.6	10
546	Modernizing Storage Conditions for Fresh Osteochondral Allografts by Optimizing Viability at Physiologic Temperatures and Conditions. <i>Cartilage</i> , 2019 , 1947603519888798	3	7
545	A multi-chamber tissue culture device for load-dependent parallel evaluation of tendon explants. <i>BMC Musculoskeletal Disorders</i> , 2019 , 20, 549	2.8	1
544	CORR [®] ORS Richard A. Brand Award: Disruption in Peroxisome Proliferator-Activated Receptor- γ (PPARG) Increases Osteonecrosis Risk Through Genetic Variance and Pharmacologic Modulation. <i>Clinical Orthopaedics and Related Research</i> , 2019 , 477, 1800-1812	2.2	7
543	Inhibition of PARP Sensitizes Chondrosarcoma Cell Lines to Chemo- and Radiotherapy Irrespective of the or Mutation Status. <i>Cancers</i> , 2019 , 11,	6.6	11
542	Acquired Idiopathic Stiffness After Total Knee Arthroplasty: A Systematic Review and Meta-Analysis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019 , 101, 1320-1330	5.6	28
541	Mll-COMPASS complexes mediate H3K4me3 enrichment and transcription of the osteoblast master gene Runx2/p57 in osteoblasts. <i>Journal of Cellular Physiology</i> , 2019 , 234, 6244-6253	7	9
540	Office-Based Mesenchymal Stem Cell Therapy for the Treatment of Musculoskeletal Disease: A Systematic Review of Recent Human Studies. <i>Pain Medicine</i> , 2019 , 20, 1570-1583	2.8	16
539	Dickkopf-1 reduces hypertrophic changes in human chondrocytes derived from bone marrow stem cells. <i>Gene</i> , 2019 , 687, 228-237	3.8	6
538	MiR-202-3p regulates interleukin-1 β -induced expression of matrix metalloproteinase 1 in human nucleus pulposus. <i>Gene</i> , 2019 , 687, 156-165	3.8	16
537	Molecular signatures of multiple myeloma progression through single cell RNA-Seq. <i>Blood Cancer Journal</i> , 2019 , 9, 2	7	37
536	The cancer-related transcription factor RUNX2 modulates expression and secretion of the matricellular protein osteopontin in osteosarcoma cells to promote adhesion to endothelial pulmonary cells and lung metastasis. <i>Journal of Cellular Physiology</i> , 2019 , 234, 13659-13679	7	24
535	Metabolic Syndrome Modulates Protein Import into the Mitochondria of Porcine Mesenchymal Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2019 , 15, 427-438	6.4	8
534	miR-219a-5p Regulates Ror γ During Osteoblast Differentiation and in Age-related Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 135-144	6.3	24
533	RUNX1-dependent mechanisms in biological control and dysregulation in cancer. <i>Journal of Cellular Physiology</i> , 2019 , 234, 8597-8609	7	29
532	In Vivo Survival of Mesenchymal Stromal Cell-Enhanced Decellularized Nerve Grafts for Segmental Peripheral Nerve Reconstruction. <i>Journal of Hand Surgery</i> , 2019 , 44, 514.e1-514.e11	2.6	12

531	Molecular pathology of adverse local tissue reaction caused by metal-on-metal implants defined by RNA-seq. <i>Genomics</i> , 2019 , 111, 1404-1411	4.3	8
530	Pharmacological targeting of the mammalian clock reveals a novel analgesic for osteoarthritis-induced pain. <i>Gene</i> , 2018 , 655, 1-12	3.8	15
529	Validation of a dynamic joint contracture measuring device in a live rabbit model of arthrofibrosis. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 2186	3.8	8
528	VEGF-mediated angiogenesis and vascularization of a fumarate-crosslinked polycaprolactone (PCLF) scaffold. <i>Connective Tissue Research</i> , 2018 , 59, 542-549	3.3	18
527	Fibrin glue mediated delivery of bone anabolic reagents to enhance healing of tendon to bone. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 5715-5724	4.7	8
526	Fabrication of polycaprolactone-silanated tricalcium phosphate-heparan sulfate scaffolds for spinal fusion applications. <i>Spine Journal</i> , 2018 , 18, 818-830	4	9
525	RNA sequencing identifies gene regulatory networks controlling extracellular matrix synthesis in intervertebral disk tissues. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 1356-1369	3.8	19
524	Osteogenic Stimulation of Human Adipose-Derived Mesenchymal Stem Cells Using a Fungal Metabolite That Suppresses the Polycomb Group Protein EZH2. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 197-209	6.9	24
523	Biological effects of melatonin on osteoblast/osteoclast cocultures, bone, and quality of life: Implications of a role for MT2 melatonin receptors, MEK1/2, and MEK5 in melatonin-mediated osteoblastogenesis. <i>Journal of Pineal Research</i> , 2018 , 64, e12465	10.4	78
522	Cytotoxicity of Local Anesthetics in Mesenchymal Stem Cells. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2018 , 97, 50-55	2.6	16
521	Extracellular matrix protein production in human adipose-derived mesenchymal stem cells on three-dimensional polycaprolactone (PCL) scaffolds responds to GDF5 or FGF2. <i>Gene Reports</i> , 2018 , 10, 149-156	1.4	14
520	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. <i>American Journal of Human Genetics</i> , 2018 , 102, 88-102	11	119
519	Contribution of transposable elements in the plant genome. <i>Gene</i> , 2018 , 665, 155-166	3.8	27
518	Blockade of Vascular Endothelial Growth Factor Receptor-1 (Flt-1), Reveals a Novel Analgesic For Osteoarthritis-Induced Joint Pain. <i>Gene Reports</i> , 2018 , 11, 94-100	1.4	10
517	Intranuclear and higher-order chromatin organization of the major histone gene cluster in breast cancer. <i>Journal of Cellular Physiology</i> , 2018 , 233, 1278-1290	7	22
516	Flyingfish (Exocoetidae) species diversity and habitats in the eastern tropical Pacific Ocean. <i>Marine Biodiversity</i> , 2018 , 48, 1755-1765	1.4	12
515	A Combination of a Polycaprolactone Fumarate Scaffold with Polyethylene Terephthalate Sutures for Intra-Articular Ligament Regeneration. <i>Tissue Engineering - Part A</i> , 2018 , 24, 245-253	3.9	8
514	Intra-articular injection of a substance P inhibitor affects gene expression in a joint contracture model. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 1326-1336	4.7	11

513	The metabolic syndrome alters the miRNA signature of porcine adipose tissue-derived mesenchymal stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018 , 93, 93-103	4.6	38
512	Immobilization of vitronectin-binding heparan sulfates onto surfaces to support human pluripotent stem cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 1887-1896	3.5	2
511	Animal models for studying the etiology and treatment of low back pain. <i>Journal of Orthopaedic Research</i> , 2018 , 36, 1305-1312	3.8	23
510	Higher order genomic organization and regulatory compartmentalization for cell cycle control at the G1/S-phase transition. <i>Journal of Cellular Physiology</i> , 2018 , 233, 6406-6413	7	9
509	A Drug Eluting Scaffold for the Treatment of Arthrofibrosis. <i>Tissue Engineering - Part C: Methods</i> , 2018 , 24, 514-523	2.9	9
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