Regina Ebert

List of Publications by Year
in descending order

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65 papers	2,205 citations	218381 26 h-index	233125 45 g-index
88 all docs	88 docs citations	88 times ranked	3596 citing authors

#	Article	IF	Citations
1	Selenium Supplementation Restores the Antioxidative Capacity and Prevents Cell Damage in Bone Marrow Stromal Cells In Vitro. Stem Cells, 2006, 24, 1226-1235.	1.4	171
2	Uncovering the cellular and molecular changes in tendon stem/progenitor cells attributed to tendon aging and degeneration. Aging Cell, 2013, 12, 988-999.	3.0	169
3	Effects of high glucose on mesenchymal stem cell proliferation and differentiation. Biochemical and Biophysical Research Communications, 2007, 363, 209-215.	1.0	165
4	The Transcriptional Profile of Mesenchymal Stem Cell Populations in Primary Osteoporosis Is Distinct and Shows Overexpression of Osteogenic Inhibitors. PLoS ONE, 2012, 7, e45142.	1.1	158
5	Vitamin D signaling is modulated on multiple levels in health and disease. Molecular and Cellular Endocrinology, 2006, 248, 149-159.	1.6	107
6	Interactions between Muscle and Boneâ€"Where Physics Meets Biology. Biomolecules, 2020, 10, 432.	1.8	79
7	Estrogen receptor and Wnt signaling interact to regulate early gene expression in response to mechanical strain in osteoblastic cells. Biochemical and Biophysical Research Communications, 2010, 394, 755-759.	1.0	74
8	Characterization of bursa subacromialis-derived mesenchymal stem cells. Stem Cell Research and Therapy, 2015, 6, 114.	2.4	67
9	Pulse treatment with zoledronic acid causes sustained commitment of bone marrow derived mesenchymal stem cells for osteogenic differentiation. Bone, 2009, 44, 858-864.	1.4	64
10	Human Platelet Lysate versus Fetal Calf Serum: These Supplements Do Not Select for Different Mesenchymal Stromal Cells. Scientific Reports, 2017, 7, 5132.	1.6	60
11	Zoledronic acid induces apoptosis and changes the TRAIL/OPG ratio in breast cancer cells. Cancer Letters, 2010, 287, 109-116.	3.2	57
12	Autocrine fibroblast growth factor 18 mediates dexamethasoneâ€induced osteogenic differentiation of murine mesenchymal stem cells. Journal of Cellular Physiology, 2010, 224, 509-515.	2.0	56
13	JAM-A as a prognostic factor and new therapeutic target in multiple myeloma. Leukemia, 2018, 32, 736-743.	3.3	55
14	Down-Regulation by Nuclear Factor Î°B of Human 25-Hydroxyvitamin D3 1Î±-Hydroxylase Promoter. Molecular Endocrinology, 2004, 18, 2440-2450.	3.7	54
15	Effects of phytoestrogens and other plant-derived compounds on mesenchymal stem cells, bone maintenance and regeneration. Journal of Steroid Biochemistry and Molecular Biology, 2014, 139, 252-261.	1.2	53
16	1,25-Dihydroxyvitamin D3 Treatment Delays Cellular Aging in Human Mesenchymal Stem Cells while Maintaining Their Multipotent Capacity. PLoS ONE, 2012, 7, e29959.	1.1	53
17	Bone tissue engineering in osteoporosis. Maturitas, 2013, 75, 118-124.	1.0	50
18	Acute phase serum amyloid A induces proinflammatory cytokines and mineralization via toll-like receptor 4 in mesenchymal stem cells. Stem Cell Research, 2015, 15, 231-239.	0.3	47

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19	Expression and Regulation of Thioredoxin Reductases and Other Selenoproteins in Bone. Methods in Enzymology, 2002, 347, 168-179.	0.4	42
20	FGF23 is a putative marker for bone healing and regeneration. Journal of Orthopaedic Research, 2009, 27, 1141-1146.	1.2	41
21	PDX1- and NGN3-mediated in vitro reprogramming of human bone marrow-derived mesenchymal stromal cells into pancreatic endocrine lineages. Cytotherapy, 2011, 13, 802-813.	0.3	41
22	The selenoprotein thioredoxin reductase is expressed in peripheral blood monocytes and THP1 human myeloid leukemia cells â€•regulation by 1,25â€dihydroxyvitamin D₃ and selenite. BioFactors, 1999, 10, 329-338.	2.6	36
23	Dickkopf-1 is regulated by the mevalonate pathway in breast cancer. Breast Cancer Research, 2014, 16, R20.	2.2	32
24	Functional Signature of Human Islet-Derived Precursor Cells Compared to Bone Marrow-Derived Mesenchymal Stem Cells. Stem Cells and Development, 2010, 19, 679-691.	1.1	29
25	NOTCH Signaling Is Activated through Mechanical Strain in Human Bone Marrow-Derived Mesenchymal Stromal Cells. Stem Cells International, 2019, 2019, 1-13.	1.2	29
26	Reverse Transcriptase-Polymerase Chain Reaction Analysis of Thyrocyte-Relevant Genes in Fine-Needle Aspiration Biopsies of the Human Thyroid. Thyroid, 1998, 8, 981-987.	2.4	27
27	Selenium deficiency as a putative risk factor for osteoporosis. International Congress Series, 2007, 1297, 158-164.	0.2	26
28	In situ guided tissue regeneration in musculoskeletal diseases and aging. Cell and Tissue Research, 2012, 347, 725-735.	1.5	24
29	KrÃ¼ppel-like factors KLF2 and 6 and Ki-67 are direct targets of zoledronic acid in MCF-7 cells. Bone, 2012, 50, 723-732.	1.4	22
30	Matrix Metalloproteinase Responsive Delivery of Myostatin Inhibitors. Pharmaceutical Research, 2017, 34, 58-72.	1.7	22
31	Osteoblast-Specific Krm2 Overexpression and Lrp5 Deficiency Have Different Effects on Fracture Healing in Mice. PLoS ONE, 2014, 9, e103250.	1.1	21
32	The KISS1 Receptor as an In Vivo Microenvironment Imaging Biomarker of Multiple Myeloma Bone Disease. PLoS ONE, 2016, 11, e0155087.	1.1	21
33	A small scale cell culture system to analyze mechanobiology using reporter gene constructs and polyurethane dishes. , 2010, 20, 344-355.		20
34	Contact of myeloma cells induces a characteristic transcriptome signature in skeletal precursor cells â€“Implications for myeloma bone disease. Bone, 2016, 93, 155-166.	1.4	18
35	Epidermal growth factor as a mechanosensitizer in human bone marrow stromal cells. Stem Cell Research, 2017, 24, 69-76.	0.3	18
36	Probenecid as a sensitizer of bisphosphonate-mediated effects in breast cancer cells. Molecular Cancer, 2014, 13, 265.	7.9	16

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37	Mesenchymal stem cell contact promotes CCN1 splicing and transcription in myeloma cells. Cell Communication and Signaling, 2014, 12, 36.	2.7	15
38	The MEK5/ERK5 mitogen-activated protein kinase cascade is an effector pathway of bone-sustaining bisphosphonates that regulates osteogenic differentiation and mineralization. Bone, 2018, 111, 49-58.	1.4	14
39	The inflamed biceps tendon as a pain generator in the shoulder: A histological and biomolecular analysis. Journal of Orthopaedic Surgery, 2019, 27, 230949901882034.	0.4	13
40	Tendon-derived stem cells from the long head of the biceps tendon. Bone and Joint Research, 2019, 8, 414-424.	1.3	13
41	Mesenchymal Stem Cells Isolated from the Anterior Cruciate Ligament: Characterization and Comparison of Cells from Young and Old Donors. Knee Surgery and Related Research, 2018, 30, 193-205.	1.8	13
42	Frakturheilung bei Osteoporose. Osteologie, 2007, 16, 71-84.	0.1	10
43	The thioredoxin reductase/thioredoxin system in cells of the monocyte/macrophage pathway of differentiation. BioFactors, 1999, 10, 227-235.	2.6	9
44	Junctional adhesion molecule C expression specifies a CD138low/neg multiple myeloma cell population in mice and humans. Blood Advances, 2022, 6, 2195-2206.	2.5	9
45	Dissection of mechanoresponse elements in promoter sites of the mechanoresponsive CYR61 gene. Experimental Cell Research, 2017, 354, 103-111.	1.2	7
46	Metabolic Glycoengineering in hMSC-TERT as a Model for Skeletal Precursors by Using Modified Azide/Alkyne Monosaccharides. International Journal of Molecular Sciences, 2021, 22, 2820.	1.8	7
47	Impaired regenerative capacity and senescenceâ€associated secretory phenotype in mesenchymal stromal cells from samples of patients with aseptic joint arthroplasty loosening. Journal of Orthopaedic Research, 2021, , .	1.2	5
48	Biology of Mesenchymal Stem Cells. Current Rheumatology Reviews, 2008, 4, 148-154.	0.4	3
49	Physical contact between mesenchymal stem cells and endothelial precursors induces distinct signatures with relevance to the very early phase of regeneration. Journal of Cellular Biochemistry, 2018, 119, 9122-9140.	1.2	3
50	Phosphodiesterase 10A Is a Mediator of Osteogenic Differentiation and Mechanotransduction in Bone Marrow-Derived Mesenchymal Stromal Cells. Stem Cells International, 2020, 2020, 1-11.	1.2	3
51	The influence of differently functionalized nanodiamonds on proliferation, apoptosis and EMT/MET phenomena in 2D and 3D tumor cell cultures. Journal of Materials Chemistry B, 2021, 9, 9395-9405.	2.9	3
52	Influence of hormones on osteogenic differentiation processes of mesenchymal stem cells. Expert Review of Endocrinology and Metabolism, 2007, 2, 59-78.	1.2	2
53	Trace Elements and Bone. , 2011, , 81-86.		2
54	1,25-Dihydroxyvitamin D3 treatment delays cellular aging in human mesenchymal stem cells while maintaining their multipotent capacity. Bone, 2012, 50, S71.	1.4	2

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55	Response to Letter to the Editor: Epigenetic Aging in Osteoporosis. Journal of Bone and Mineral Research, 2018, 33, 1904-1905.	3.1	2
56	Human pancreatic islet-derived precursor cells display mesenchymal stem cell features and differentiation capacity. Diabetologie Und Stoffwechsel, 2007, 2, 93-4.	0.0	1
57	Short-time zoledronic acid pretreatment stimulates osteogenic differentiation of human mesenchymal stem cells. Bone, 2008, 42, S71-S72.	1.4	0
58	The transcriptome of hMSC from osteoporotic donors is distinct from hMSC of 80+ donors. Bone, 2012, 50, S83.	1.4	0
59	Differential response of the promoter elements AP1 and SP1 to mechanical strain. Bone, 2012, 50, S85.	1.4	0
60	Transcriptional profiling of cortical bone after mechanical loading in the MOPC315.BM myeloma bone disease model. Clinical Lymphoma, Myeloma and Leukemia, 2019, 19, e37-e38.	0.2	0
61	Regulation of human 25-hydroxyvitamin D3 1Î±-hydroxylase promoter activity by NFÎºB via multiple NFÎºB response elements. , 0, 2004, .		0
62	Erbliche und erworbene Erkrankungen des Phosphatstoffwechsels. Osteologie, 2006, 15, 33-42.	0.1	0
63	Fgf23. The AFCS-nature Molecule Pages, 0, , .	0.2	0
64	Antiresorptiva in der Behandlung von Knochenmetastasen. , 2014, , 71-84.		0
65	Mesenchymal Stromal Cells (MSCs) Isolated from Various Tissues of the Human Arthritic Knee Joint Possess Similar Multipotent Differentiation Potential. Applied Sciences (Switzerland), 2022, 12, 2239.	1.3	0