

J Grillari

List of Publications by Year in descending order

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Version: 2024-02-01

215
papers

9,232
citations

41627

51
h-index

56606

87
g-index

242
all docs

242
docs citations

242
times ranked

14669
citing authors

#	ARTICLE	IF	CITATIONS
1	Epidemiology and economic burden of fragility fractures in Austria. <i>Osteoporosis International</i> , 2022, 33, 637-647.	1.3	12
2	miR-146a-5p modulates cellular senescence and apoptosis in visceral adipose tissue of long-lived Ames dwarf mice and in cultured pre-adipocytes. <i>GeroScience</i> , 2022, 44, 503-518.	2.1	15
3	Improved biomechanics in experimental chronic rotator cuff repair after shockwaves is not reflected by bone microarchitecture. <i>PLoS ONE</i> , 2022, 17, e0262294.	1.1	1
4	Osteoarthritis Progression after ACL Reconstruction Was Significantly Higher Than That of the Healthy Contralateral Knees: Long-Term Follow Up Study of Mean 16.4 Years. <i>Journal of Clinical Medicine</i> , 2022, 11, 775.	1.0	2
5	Circulating serum microRNAs including senescent miR-31-5p are associated with incident fragility fractures in older postmenopausal women with type 2 diabetes mellitus. <i>Bone</i> , 2022, 158, 116308.	1.4	14
6	Interplay between mitochondrial reactive oxygen species, oxidative stress and hypoxic adaptation in facioscapulohumeral muscular dystrophy: Metabolic stress as potential therapeutic target. <i>Redox Biology</i> , 2022, 51, 102251.	3.9	31
7	A MicroRNA Next-Generation-Sequencing Discovery Assay (miND) for Genome-Scale Analysis and Absolute Quantitation of Circulating MicroRNA Biomarkers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1226.	1.8	16
8	An in vitro strategy using multiple human induced pluripotent stem cell-derived models to assess the toxicity of chemicals: A case study on paraquat. <i>Toxicology in Vitro</i> , 2022, 81, 105333.	1.1	11
9	Enhanced BMP-2-Mediated Bone Repair Using an Anisotropic Silk Fibroin Scaffold Coated with Bone-like Apatite. <i>International Journal of Molecular Sciences</i> , 2022, 23, 283.	1.8	7
10	Construction of Yeast Display Libraries for Selection of Antigen-Binding Variants of Large Extracellular Loop of CD81, a Major Surface Marker Protein of Extracellular Vesicles. <i>Methods in Molecular Biology</i> , 2022, 2491, 561-592.	0.4	0
11	The role of senescence in cellular plasticity: Lessons from regeneration and development and implications for age-related diseases. <i>Developmental Cell</i> , 2022, 57, 1083-1101.	3.1	19
12	Characterisation of Extracellular Vesicles from Equine Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5858.	1.8	4
13	Effect of Anti-Osteoporotic Treatments on Circulating and Bone MicroRNA Patterns in Osteopenic ZDF Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6534.	1.8	1
14	Targeting cellular senescence based on interorganelle communication, multilevel proteostasis, and metabolic control. <i>FEBS Journal</i> , 2021, 288, 3834-3854.	2.2	20
15	Circulating miRNAs in bone health and disease. <i>Bone</i> , 2021, 145, 115787.	1.4	36
16	Epilipidomics of Senescent Dermal Fibroblasts Identify Lysophosphatidylcholines as Pleiotropic Senescence-Associated Secretory Phenotype (SASP) Factors. <i>Journal of Investigative Dermatology</i> , 2021, 141, 993-1006.e15.	0.3	37
17	17 β -Estradiol Modulates IGF1 and Hepatic Gene Expression in a Sex-Specific Manner. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 778-785.	1.7	20
18	Analytical challenges in microRNA biomarker development: Best practices for analyzing microRNAs in cell-free biofluids. , 2021, , 415-430.		0

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19	Size changes in miRâ€‘21 knockout mice: Geometric morphometrics on teeth, alveolar bone and mandible. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	3
20	A robust machine learning framework to identify signatures for frailty: a nested case-control study in four aging European cohorts. <i>GeroScience</i> , 2021, 43, 1317-1329.	2.1	31
21	Repopulation of decellularised articular cartilage by laser-based matrix engraving. <i>EBioMedicine</i> , 2021, 64, 103196.	2.7	11
22	Lugolâ€™s solution but not formaldehyde affects bone microstructure and bone mineral density parameters at the insertion site of the rotator cuff in rats. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 254.	0.9	1
23	Cre mRNA Is Not Transferred by EVs from Endothelial and Adipose-Derived Stromal/Stem Cells during Vascular Network Formation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4050.	1.8	1
24	Critical considerations for the development of potency tests for therapeutic applications of mesenchymal stromal cell-derived small extracellular vesicles. <i>Cytotherapy</i> , 2021, 23, 373-380.	0.3	125
25	Circulating miRâ€‘19â€‘3p and miRâ€‘19bâ€‘3p characterize the human aging process and their isomiRs associate with healthy status at extreme ages. <i>Aging Cell</i> , 2021, 20, e13409.	3.0	12
26	Age-related alterations and senescence of mesenchymal stromal cells: Implications for regenerative treatments of bones and joints. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111539.	2.2	19
27	An engineered CD81â€‘based combinatorial library for selecting recombinant binders to cell surface proteins: Laminin binding CD81 enhances cellular uptake of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12139.	5.5	9
28	The role of lipid-based signalling in wound healing and senescence. <i>Mechanisms of Ageing and Development</i> , 2021, 198, 111527.	2.2	19
29	Diagnostic Performance of a Panel of miRNAs (OsteomiR) for Osteoporosis in a Cohort of Postmenopausal Women. <i>Calcified Tissue International</i> , 2021, 108, 725-737.	1.5	14
30	Labelâ€‘free characterization of an extracellular vesicleâ€‘based therapeutic. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12156.	5.5	22
31	Raman fingerprints as promising markers of cellular senescence and aging. <i>GeroScience</i> , 2020, 42, 377-387.	2.1	12
32	MicroRNA levels in bone and blood change during bisphosphonate and teriparatide therapy in an animal model of postmenopausal osteoporosis. <i>Bone</i> , 2020, 131, 115104.	1.4	40
33	Serum microRNAs as novel biomarkers for osteoporotic vertebral fractures. <i>Bone</i> , 2020, 130, 115105.	1.4	54
34	Structural Fuzziness of the RNA-Organizing Protein SERF Determines a Toxic Gain-of-interaction. <i>Journal of Molecular Biology</i> , 2020, 432, 930-951.	2.0	18
35	microRNAâ€‘146a controls ageâ€‘related bone loss. <i>Aging Cell</i> , 2020, 19, e13244.	3.0	20
36	Circulating miRNAs Associated With ER Stress and Organ Damage in a Preclinical Model of Trauma Hemorrhagic Shock. <i>Frontiers in Medicine</i> , 2020, 7, 568096.	1.2	8

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37	Antimicrobial photodynamic therapy fighting polymicrobial infections â€“ a journey from in vitro to in vivo. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1332-1343.	1.6	20
38	Imaging of metabolic activity adaptations to UV stress, drugs and differentiation at cellular resolution in skin and skin equivalents â€“ Implications for oxidative UV damage. <i>Redox Biology</i> , 2020, 37, 101583.	3.9	16
39	Contamination of wounds with fecal bacteria in immuno-suppressed mice. <i>Scientific Reports</i> , 2020, 10, 11494.	1.6	8
40	Use of the CatWalk gait analysis system to assess functional recovery in rodent models of peripheral nerve injury â€“ a systematic review. <i>Journal of Neuroscience Methods</i> , 2020, 345, 108889.	1.3	28
41	Fluorescence-Based Nanoparticle Tracking Analysis and Flow Cytometry for Characterization of Endothelial Extracellular Vesicle Release. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9278.	1.8	10
42	SVF-derived extracellular vesicles carry characteristic miRNAs in lipedema. <i>Scientific Reports</i> , 2020, 10, 7211.	1.6	20
43	miRNAâ€21 deficiency impairs alveolar socket healing in mice. <i>Journal of Periodontology</i> , 2020, 91, 1664-1672.	1.7	12
44	Unique, Genderâ€Dependent Serum <sc>microRNA</sc> Profile in <sc><i>PLS3</i></sc> Geneâ€Related Osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1962-1973.	3.1	12
45	Organotypic human skin culture models constructed with senescent fibroblasts show hallmarks of skin aging. <i>Npj Aging and Mechanisms of Disease</i> , 2020, 6, 4.	4.5	45
46	Metformin loaded cholesterol-lysine conjugate nanoparticles: A novel approach for protecting HDFs against UVB-induced senescence. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119603.	2.6	10
47	Plantâ€derived protein bodies as delivery vehicles for recombinant proteins into mammalian cells. <i>Biotechnology and Bioengineering</i> , 2020, 117, 1037-1047.	1.7	12
48	Modulation of mammalian translation by a ribosome-associated tRNA half. <i>RNA Biology</i> , 2020, 17, 1125-1136.	1.5	27
49	Longitudinal Changes of Circulating miRNAs During Bisphosphonate and Teriparatide Treatment in an Animal Model of Postmenopausal Osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1131-1144.	3.1	17
50	The ribosomal RNA m5C methyltransferase NSUN-1 modulates healthspan and oogenesis in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	30
51	microRNA Modulation. , 2020, , 511-576.		0
52	Diurnal Changes in Serum Levels of Bone-Related Circulating MicroRNAs. <i>Osteologie</i> , 2020, 29, .	0.1	0
53	Engineering of Surface Proteins in Extracellular Vesicles for Tissue-Specific Targeting. , 2019, , .		4
54	Extracellular Vesicles in Human Skin: Cross-Talkâ€from Senescent Fibroblasts to Keratinocytes by miRNAs. <i>Journal of Investigative Dermatology</i> , 2019, 139, 2425-2436.e5.	0.3	61

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55	405 Lyso-Pospholipids Contribute to the Inflammatory Nature of Senescent Dermal Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2019, 139, S284.	0.3	0
56	316 Specialized ribosomes in human dermal fibroblast senescence. <i>Journal of Investigative Dermatology</i> , 2019, 139, S268.	0.3	0
57	microRNA Modulation. , 2019, , 1-66.		0
58	Loss of SR-BI Down-Regulates MITF and Suppresses Extracellular Vesicle Release in Human Melanoma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1063.	1.8	11
59	Transient manipulation of the expression level of selected growth rate correlating microRNAs does not increase growth rate in CHO-K1 cells. <i>Journal of Biotechnology</i> , 2019, 295, 63-70.	1.9	2
60	CD46 knock-out using CRISPR/Cas9 editing of hTERT immortalized human cells modulates complement activation. <i>PLoS ONE</i> , 2019, 14, e0214514.	1.1	5
61	Loss of the ribosomal RNA methyltransferase NSUN5 impairs global protein synthesis and normal growth. <i>Nucleic Acids Research</i> , 2019, 47, 11807-11825.	6.5	67
62	Critical Impact of Human Amniotic Membrane Tension on Mitochondrial Function and Cell Viability In Vitro. <i>Cells</i> , 2019, 8, 1641.	1.8	7
63	A novel role for NUPR1 in the keratinocyte stress response to UV oxidized phospholipids. <i>Redox Biology</i> , 2019, 20, 467-482.	3.9	32
64	Combinatorial in Vitro and in Silico Approach To Describe Shear-Force Dependent Uptake of Nanoparticles in Microfluidic Vascular Models. <i>Analytical Chemistry</i> , 2018, 90, 3651-3655.	3.2	14
65	Blocking negative effects of senescence in human skin fibroblasts with a plant extract. <i>Npj Aging and Mechanisms of Disease</i> , 2018, 4, 4.	4.5	49
66	OPP Labeling Enables Total Protein Synthesis Quantification in CHO Production Cell Lines at the Single-Cell Level. <i>Biotechnology Journal</i> , 2018, 13, e1700492.	1.8	23
67	Cost-utility analysis of fracture risk assessment using microRNAs compared with standard tools and no monitoring in the Austrian female population. <i>Bone</i> , 2018, 108, 44-54.	1.4	38
68	OLR1 scavenger receptor knockdown affects mitotic gene expression but is dispensable for oxidized phospholipid-mediated stress signaling in SZ 95 sebocytes. <i>Mechanisms of Ageing and Development</i> , 2018, 172, 35-44.	2.2	2
69	1137 A novel role for NUPR1 in the keratinocyte stress response to UV oxidized phospholipids. <i>Journal of Investigative Dermatology</i> , 2018, 138, S193.	0.3	0
70	Altered MicroRNA Profile in Osteoporosis Caused by Impaired WNT Signaling. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 1985-1996.	1.8	65
71	Bone-related Circulating MicroRNAs miR-29b-3p, miR-550a-3p, and miR-324-3p and their Association to Bone Microstructure and Histomorphometry. <i>Scientific Reports</i> , 2018, 8, 4867.	1.6	65
72	Age-Induced Changes in White, Brite, and Brown Adipose Depots: A Mini-Review. <i>Gerontology</i> , 2018, 64, 229-236.	1.4	61

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73	Long-term exposure of immortalized keratinocytes to arsenic induces EMT, impairs differentiation in organotypic skin models and mimics aspects of human skin derangements. Archives of Toxicology, 2018, 92, 181-194.	1.9	26
74	The thiosemicarbazone Me2NNMe2 induces paraptosis by disrupting the ER thiol redox homeostasis based on protein disulfide isomerase inhibition. Cell Death and Disease, 2018, 9, 1052.	2.7	38
75	Establishment of keratinocyte cell lines from human hair follicles. Scientific Reports, 2018, 8, 13434.	1.6	16
76	Stabilization of the CD81 Large Extracellular Loop with De Novo Disulfide Bonds Improves Its Amenability for Peptide Grafting. Pharmaceutics, 2018, 10, 138.	2.0	9
77	Cellular Senescence and Inflammaging in Age-Related Diseases. Mediators of Inflammation, 2018, 2018, 1-6.	1.4	120
78	Towards frailty biomarkers: Candidates from genes and pathways regulated in aging and age-related diseases. Ageing Research Reviews, 2018, 47, 214-277.	5.0	309
79	Inhibition of profibrotic microRNA-21 affects platelets and their releasate. JCI Insight, 2018, 3, .	2.3	30
80	Small extracellular vesicles and their miRNA cargo are anti-apoptotic members of the senescence-associated secretory phenotype. Aging, 2018, 10, 1103-1132.	1.4	162
81	UVB-Induced Senescence of Human Dermal Fibroblasts Involves Impairment of Proteasome and Enhanced Autophagic Activity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw150.	1.7	39
82	SNEVhPrp19/hPso4 Regulates Adipogenesis of Human Adipose Stromal Cells. Stem Cell Reports, 2017, 8, 21-29.	2.3	9
83	NSUN5 methylates ribosomal RNA and modulates ribosome function in human cells. Experimental Gerontology, 2017, 94, 115-116.	1.2	0
84	Characterization of ribosomal RNA methylations modulating life- and healthspan of Caenorhabditis elegans. Experimental Gerontology, 2017, 94, 114-115.	1.2	0
85	Endothelial Cell-derived Extracellular Vesicles Size-dependently Exert Procoagulant Activity Detected by Thromboelastometry. Scientific Reports, 2017, 7, 3707.	1.6	30
86	Transcriptomic changes in CHO cells after adaptation to suspension growth in protein-free medium analysed by a species-specific microarray. Journal of Biotechnology, 2017, 257, 13-21.	1.9	25
87	Autophagy deficient keratinocytes display increased DNA damage, senescence and aberrant lipid composition after oxidative stress in vitro and in vivo. Redox Biology, 2017, 11, 219-230.	3.9	76
88	630 Multi-omics identify nuclear protein 1 (Nupr1/p8) as central regulator of redox stress mediated by ultraviolet A light. Journal of Investigative Dermatology, 2017, 137, S300.	0.3	0
89	262 OLR1 scavenger receptor knockdown affects mitotic gene expression but is dispensable for oxidized phospholipid- mediated stress signaling in SZ 95 sebocytes. Journal of Investigative Dermatology, 2017, 137, S238.	0.3	0
90	669 Senescence-associated secretion of vesicular miR-23a-3p and its impact during the paracrine crosstalk of dermal and epidermal cells. Journal of Investigative Dermatology, 2017, 137, S307.	0.3	0

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91	693 Blocking negative effects of senescence in human skin fibroblasts with a plant extract. <i>Journal of Investigative Dermatology</i> , 2017, 137, S311.	0.3	0
92	339 Senescent human fibroblasts selectively secrete miRNAs in extracellular vesicles and modulate keratinocyte functionality during skin aging. <i>Journal of Investigative Dermatology</i> , 2017, 137, S250.	0.3	1
93	MicroRNAs and toxicology: A love marriage. <i>Toxicology Reports</i> , 2017, 4, 634-636.	1.6	38
94	Editorial: Non-coding RNA in aging and age-associated diseases – from intracellular regulators to hormone like actions. <i>Mechanisms of Ageing and Development</i> , 2017, 168, 1-2.	2.2	4
95	A “multi-omic” investigation of the effects of long wavelength ultraviolet light on primary human keratinocytes identifies NUPR1 as central stress response mediator. <i>Free Radical Biology and Medicine</i> , 2017, 108, S71.	1.3	0
96	Ubiquitous overexpression of the DNA repair factor dPrp19 reduces DNA damage and extends <i>Drosophila</i> life span. <i>Npj Aging and Mechanisms of Disease</i> , 2017, 3, 5.	4.5	23
97	MicroRNA-17-5p: At the Crossroads of Cancer and Aging - A Mini-Review. <i>Gerontology</i> , 2017, 63, 20-28.	1.4	53
98	Label-free live cell imaging by Confocal Raman Microscopy identifies CHO host and producer cell lines. <i>Biotechnology Journal</i> , 2017, 12, 1600037.	1.8	23
99	Long-term exposure of immortalized keratinocytes to arsenic induces EMT, impairs differentiation in organotypic skin models and mimics aspects of human skin derangements. <i>Toxicology Letters</i> , 2017, 280, S314.	0.4	0
100	Endothelial Extracellular Vesicles – Promises and Challenges. <i>Frontiers in Physiology</i> , 2017, 8, 275.	1.3	78
101	The Dual Role of Cellular Senescence in Developing Tumors and Their Response to Cancer Therapy. <i>Frontiers in Oncology</i> , 2017, 7, 278.	1.3	193
102	Proteome profiling in IL-1 β and VEGF-activated human umbilical vein endothelial cells delineates the interlink between inflammation and angiogenesis. <i>PLoS ONE</i> , 2017, 12, e0179065.	1.1	64
103	OncomiR-17-5p: alarm signal in cancer?. <i>Oncotarget</i> , 2017, 8, 71206-71222.	0.8	45
104	Cost Utility Analysis of Monitoring Osteoporosis Fracture Risk By A Circulating Microrna Based Strategy Compared to Standard Measure and No Monitoring. <i>Value in Health</i> , 2016, 19, A699.	0.1	0
105	532 A “multi-omic” investigation of the effects of long wavelength ultraviolet light on primary human keratinocytes. <i>Journal of Investigative Dermatology</i> , 2016, 136, S251.	0.3	0
106	528 Autophagy deficient keratinocytes display increased DNA damage and senescence markers after oxidative stress in vitro and in vivo. <i>Journal of Investigative Dermatology</i> , 2016, 136, S250.	0.3	0
107	139 Studying the effects of senescent cells on skin formation in a newly developed three-dimensional tissue model for skin aging. <i>Journal of Investigative Dermatology</i> , 2016, 136, S184.	0.3	0
108	389 The extravesicular miRNome of senescent human fibroblasts and its impact on keratinocyte functionality. <i>Journal of Investigative Dermatology</i> , 2016, 136, S227.	0.3	0

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109	Secreted microvesicular miR-31 inhibits osteogenic differentiation of mesenchymal stem cells. <i>Aging Cell</i> , 2016, 15, 744-754.	3.0	160
110	SNEV P rp19/ PSO 4 deficiency increases PUVA induced senescence in mouse skin. <i>Experimental Dermatology</i> , 2016, 25, 212-217.	1.4	6
111	Circulating microRNA Signatures in Patients With Idiopathic and Postmenopausal Osteoporosis and Fragility Fractures. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4125-4134.	1.8	170
112	Serum miRNA Signatures Are Indicative of Skeletal Fractures in Postmenopausal Women With and Without Type 2 Diabetes and Influence Osteogenic and Adipogenic Differentiation of Adipose Tissue-Derived Mesenchymal Stem Cells In Vitro. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 2173-2192.	3.1	115
113	Autophagy deficient melanocytes display a senescence associated secretory phenotype that includes oxidized lipid mediators. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 375-382.	1.2	46
114	A signature of 12 microRNAs is robustly associated with growth rate in a variety of CHO cell lines. <i>Journal of Biotechnology</i> , 2016, 235, 150-161.	1.9	16
115	Circulating microRNAs as novel biomarkers for bone diseases - Complex signatures for multifactorial diseases?. <i>Molecular and Cellular Endocrinology</i> , 2016, 432, 83-95.	1.6	137
116	In Search of Omics'-Based Biomarkers to Predict Risk of Frailty and Its Consequences in Older Individuals: The FRAILOMIC Initiative. <i>Gerontology</i> , 2016, 62, 182-190.	1.4	69
117	Vesicular Galectin-3 levels decrease with donor age and contribute to the reduced osteo-inductive potential of human plasma derived extracellular vesicles. <i>Aging</i> , 2016, 8, 16-30.	1.4	77
118	Chronic arsenic trioxide exposure leads to enhanced aggressiveness via Met oncogene addiction in cancer cells. <i>Oncotarget</i> , 2016, 7, 27379-27393.	0.8	8
119	FROM REPLICATIVE SENESCENCE TO MICRORNA BASED DIAGNOSTICS OF AGE-ASSOCIATED DISEASES. <i>Osteoporosis and Bone Diseases</i> , 2016, 19, 5-7.	0.3	0
120	Annotation of additional evolutionary conserved microRNAs in CHO cells from updated genomic data. <i>Biotechnology and Bioengineering</i> , 2015, 112, 1488-1493.	1.7	13
121	Urine is a novel source of autologous mesenchymal stem cells for patients with epidermolysis bullosa. <i>BMC Research Notes</i> , 2015, 8, 767.	0.6	25
122	Noncoding RNAs, post-transcriptional RNA operons and Chinese hamster ovary cells. <i>Pharmaceutical Bioprocessing</i> , 2015, 3, 227-247.	0.8	15
123	Investigations into cytotoxic effects of the herbal preparation Abnormal Savda Munziq. <i>Chinese Journal of Integrative Medicine</i> , 2015, , 1.	0.7	9
124	WNT Signaling Suppression in the Senescent Human Thymus. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 273-281.	1.7	23
125	Laboratory biomarkers and frailty: presentation of the FRAILOMIC initiative. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, e253-5.	1.4	17
126	Microarray profiling of preselected CHO host cell subclones identifies gene expression patterns associated with increased production capacity. <i>Biotechnology Journal</i> , 2015, 10, 1625-1638.	1.8	22

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127	Human cell lines for the production of recombinant proteins: on the horizon. <i>New Biotechnology</i> , 2015, 32, 673-679.	2.4	34
128	Methylation of ribosomal RNA by NSUN5 is a conserved mechanism modulating organismal lifespan. <i>Nature Communications</i> , 2015, 6, 6158.	5.8	231
129	SNEVhPrp19/hPSO4 haploinsufficiency accelerates premature skin aging in response to 8-methoxypsoralen/UVA treatment in mice. <i>Experimental Gerontology</i> , 2015, 68, 99.	1.2	0
130	Overexpression of the DNA repair factor SNEVhPrp19/hPso4 extends cellular and organismal life span and increases resistance to genotoxic stress. <i>Experimental Gerontology</i> , 2015, 68, 96.	1.2	0
131	The role of microRNAs in cellular senescence and age-related conditions of cartilage and bone. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2015, 86, 92-99.	1.2	27
132	Optimization of a quantitative PCR based method for plasmid copy number determination in human cell lines. <i>New Biotechnology</i> , 2015, 32, 716-719.	2.4	5
133	Enhanced protein production by microRNA-30 family in CHO cells is mediated by the modulation of the ubiquitin pathway. <i>Journal of Biotechnology</i> , 2015, 212, 32-43.	1.9	28
134	Differentially circulating miRNAs after recent osteoporotic fractures can influence osteogenic differentiation. <i>Bone</i> , 2015, 79, 43-51.	1.4	166
135	Endogenous microRNA clusters outperform chimeric sequence clusters in Chinese hamster ovary cells. <i>Biotechnology Journal</i> , 2014, 9, 538-544.	1.8	20
136	Stable overexpression of miR-17 enhances recombinant protein production of CHO cells. <i>Journal of Biotechnology</i> , 2014, 175, 38-44.	1.9	67
137	Characterization of a novel cell penetrating peptide derived from human Oct4. <i>Cell Regeneration</i> , 2014, 3, 3:2.	1.1	26
138	MicroRNA-26 Family Is Required for Human Adipogenesis and Drives Characteristics of Brown Adipocytes. <i>Stem Cells</i> , 2014, 32, 1578-1590.	1.4	138
139	MicroRNA-663 induction upon oxidative stress in cultured human fibroblasts depends on the chronological age of the donor. <i>Biogerontology</i> , 2014, 15, 269-78.	2.0	8
140	Novel human renal proximal tubular cell line for the production of complex proteins. <i>Journal of Biotechnology</i> , 2014, 176, 29-39.	1.9	6
141	Characterization of a novel cell penetrating peptide derived from human Oct4. <i>New Biotechnology</i> , 2014, 31, S6.	2.4	0
142	Identification of microRNAs specific for high producer CHO cell lines using steady-state cultivation. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7535-7548.	1.7	29
143	Analysis of microRNA transcription and post-transcriptional processing by Dicer in the context of CHO cell proliferation. <i>Journal of Biotechnology</i> , 2014, 190, 76-84.	1.9	14
144	MicroRNAs differentially present in the plasma of HIV elite controllers reduce HIV infection in vitro. <i>Scientific Reports</i> , 2014, 4, 5915.	1.6	82

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145	Molecular and Cellular Effects of In Vitro Shockwave Treatment on Lymphatic Endothelial Cells. PLoS ONE, 2014, 9, e114806.	1.1	23
146	Controversial role of Gamma-Glutamyl Transferase activity in cisplatin nephrotoxicity. ALTEX: Alternatives To Animal Experimentation, 2014, 31, 269-278.	0.9	14
147	Chinese hamster genome sequenced from sorted chromosomes. Nature Biotechnology, 2013, 31, 694-695.	9.4	160
148	CHO microRNA engineering is growing up: Recent successes and future challenges. Biotechnology Advances, 2013, 31, 1501-1513.	6.0	77
149	Secretion of microvesicular miRNAs in cellular and organismal aging. Experimental Gerontology, 2013, 48, 626-633.	1.2	75
150	Prediction of transcribed PIWI-interacting RNAs from CHO RNAseq data. Journal of Biotechnology, 2013, 166, 51-57.	1.9	21
151	Delineation of the Key Aspects in the Regulation of Epithelial Monolayer Formation. Molecular and Cellular Biology, 2013, 33, 2535-2550.	1.1	71
152	Identification of microRNA-mRNA functional interactions in UVB-induced senescence of human diploid fibroblasts. BMC Genomics, 2013, 14, 224.	1.2	55
153	High levels of oncomiR-21 contribute to the senescence-induced growth arrest in normal human cells and its knockdown increases the replicative lifespan. Aging Cell, 2013, 12, 446-458.	3.0	99
154	Generation of human induced pluripotent stem cells from urine samples. Nature Protocols, 2012, 7, 2080-2089.	5.5	498
155	HIV-1 Induces Telomerase Activity in Monocyte-Derived Macrophages, Possibly Safeguarding One of Its Reservoirs. Journal of Virology, 2012, 86, 10327-10337.	1.5	36
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