

Nicoletta Zini

List of Publications by Year in descending order

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72
papers

3,500
citations

201575

27
h-index

143943

57
g-index

72
all docs

72
docs citations

72
times ranked

5656
citing authors

#	ARTICLE	IF	CITATIONS
1	Human bone marrow- and adipose-mesenchymal stem cells secrete exosomes enriched in distinctive miRNA and tRNA species. <i>Stem Cell Research and Therapy</i> , 2015, 6, 127.	2.4	599
2	Nontemplated Nucleotide Additions Distinguish the Small RNA Composition in Cells from Exosomes. <i>Cell Reports</i> , 2014, 8, 1649-1658.	2.9	484
3	Blocking Tumor-Educated MSC Paracrine Activity Halts Osteosarcoma Progression. <i>Clinical Cancer Research</i> , 2017, 23, 3721-3733.	3.2	150
4	Energy metabolism in osteoclast formation and activity. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 79, 168-180.	1.2	147
5	Cellular and molecular events during chondrogenesis of human mesenchymal stromal cells grown in a three-dimensional hyaluronan based scaffold. <i>Biomaterials</i> , 2005, 26, 5677-5686.	5.7	117
6	Multimodal transfer of MDR by exosomes in human osteosarcoma. <i>International Journal of Oncology</i> , 2016, 49, 189-196.	1.4	115
7	Non-invasive prostate cancer detection by measuring miRNA variants (isomiRs) in urine extracellular vesicles. <i>Oncotarget</i> , 2016, 7, 22566-22578.	0.8	113
8	Strawberry-Derived Exosome-Like Nanoparticles Prevent Oxidative Stress in Human Mesenchymal Stromal Cells. <i>Biomolecules</i> , 2021, 11, 87.	1.8	113
9	Anti-Fas-induced apoptosis in chondrocytes reduced by hyaluronan: Evidence for CD44 and CD54 (intercellular adhesion molecule 1) involvement. <i>Arthritis and Rheumatism</i> , 2001, 44, 1800-1807.	6.7	111
10	Monoclonal antibodies to human DNA topoisomerase I and the two isoforms of DNA topoisomerase II: 170- and 180-kDa isozymes. <i>Experimental Cell Research</i> , 1992, 200, 452-459.	1.2	105
11	The 180-kDa isoform of topoisomerase II is localized in the nucleolus and belongs to the structural elements of the nucleolar remnant. <i>Experimental Cell Research</i> , 1992, 200, 460-466.	1.2	94
12	Exosome-like Nanovesicles Isolated from Citrus limon L. Exert Antioxidative Effect. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 877-885.	0.9	83
13	Altered pH gradient at the plasma membrane of osteosarcoma cells is a key mechanism of drug resistance. <i>Oncotarget</i> , 2016, 7, 63408-63423.	0.8	78
14	Topology of inositol lipid signal transduction in the nucleus. , 1999, 181, 203-217.		68
15	V-ATPase is a candidate therapeutic target for Ewing sarcoma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 1105-1116.	1.8	62
16	Discrete Localization of Different DNA Topoisomerases in HeLa and K562 Cell Nuclei and Subnuclear Fractions. <i>Experimental Cell Research</i> , 1994, 210, 336-348.	1.2	57
17	Phosphoinositidase C Isoforms Are Specifically Localized in the Nuclear Matrix and Cytoskeleton of Swiss 3T3 Cells. <i>Experimental Cell Research</i> , 1993, 208, 257-269.	1.2	54
18	Mineralization behavior with mesenchymal stromal cells in a biomimetic hyaluronic acid-based scaffold. <i>Biomaterials</i> , 2010, 31, 3986-3996.	5.7	50

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19	Functional interleukin-7/interleukin-7R α , and SDF-1 α /CXCR4 are expressed by human periodontal ligament derived mesenchymal stem cells. <i>Journal of Cellular Physiology</i> , 2008, 214, 706-713.	2.0	46
20	5-Aza Exposure Improves Reprogramming Process Through Embryoid Body Formation in Human Gingival Stem Cells. <i>Frontiers in Genetics</i> , 2018, 9, 419.	1.1	46
21	Assessment of an Efficient Xeno-Free Culture System of Human Periodontal Ligament Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 52-64.	1.1	43
22	CD99 triggering induces methuosis of Ewing sarcoma cells through IGF-1R/RAS/Rac1 signaling. <i>Oncotarget</i> , 2016, 7, 79925-79942.	0.8	40
23	Evaluation of osteonectin as a diagnostic marker of osteogenic bone tumors. <i>Human Pathology</i> , 1992, 23, 1326-1331.	1.1	36
24	pRb2/p130 and p107 control cell growth by multiple strategies and in association with different compartments within the nucleus. <i>Journal of Cellular Physiology</i> , 2001, 189, 34-44.	2.0	35
25	Cytoplasmic and nuclear localization sites of phosphatidylinositol 3-kinase in human osteosarcoma sensitive and multidrug-resistant Saos-2 cells. <i>Histochemistry and Cell Biology</i> , 1996, 106, 457-464.	0.8	33
26	Subnuclear localization and differentiation-dependent increased expression of DGK- α in C2C12 mouse myoblasts. <i>Journal of Cellular Physiology</i> , 2006, 209, 370-378.	2.0	33
27	Involvement of nuclear phosphatidylinositol-dependent phospholipases c in cell cycle progression during rat liver regeneration. <i>Journal of Cellular Physiology</i> , 2003, 197, 181-188.	2.0	31
28	Gene array profile identifies collagen type XV as a novel human osteoblast-secreted matrix protein. <i>Journal of Cellular Physiology</i> , 2009, 220, 401-409.	2.0	30
29	Chondrogenic differentiation of murine and human mesenchymal stromal cells in a hyaluronic acid scaffold: Differences in gene expression and cell morphology. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 77A, 497-506.	2.1	29
30	Extracellular calcium chronically induced human osteoblasts effects: Specific modulation of osteocalcin and collagen type XV. <i>Journal of Cellular Physiology</i> , 2012, 227, 3151-3161.	2.0	27
31	Osteogenic differentiation of human MSCs: Specific occupancy of the mitochondrial DNA by NFATc1 transcription factor. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 64, 212-219.	1.2	27
32	Extracellular Nanovesicles Secreted by Human Osteosarcoma Cells Promote Angiogenesis. <i>Cancers</i> , 2019, 11, 779.	1.7	25
33	Phosphoinositidase C isozymes in SaOS-2 cells: Immunocytochemical detection in nuclear and cytoplasmic compartments. <i>Biology of the Cell</i> , 1993, 79, 243-250.	0.7	24
34	Immunocytochemical detection of the intranuclear variations of phosphatidylinositol 4,5-bisphosphate amount associated with changes of activity and amount of phospholipase C β 1 in cells exposed to mitogenic or differentiating agonists. <i>Biology of the Cell</i> , 1995, 83, 201-210.	0.7	23
35	IL1- β and TNF- β induce changes in the nuclear polyphosphoinositide signalling system in osteoblasts similar to that occurring in patients with rheumatoid arthritis: an immunochemical and immunocytochemical study. <i>Histochemistry and Cell Biology</i> , 2003, 120, 243-250.	0.8	23
36	Chondrogenic differentiation of bone marrow concentrate grown onto a hylauronan scaffold: Rationale for its use in the treatment of cartilage lesions. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1559-1570.	2.1	23

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37	Ex situ bioengineering of bioartificial endocrine glands: A new frontier in regenerative medicine of soft tissue organs. <i>Annals of Anatomy</i> , 2011, 193, 381-394.	1.0	22
38	Effects of prelamin A processing inhibitors on the differentiation and activity of human osteoclasts. <i>Journal of Cellular Biochemistry</i> , 2008, 105, 34-40.	1.2	21
39	Interleukin-1 β induces variations of the intranuclear amount of phosphatidylinositol 4,5-bisphosphate and phospholipase C β 1 in human osteosarcoma Saos-2 cells. <i>The Histochemical Journal</i> , 1996, 28, 495-504.	0.6	18
40	Novel nano-composite biomimetic biomaterial allows chondrogenic and osteogenic differentiation of bone marrow concentrate derived cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 173.	1.7	18
41	Chitosan-based scaffold counteracts hypertrophic and fibrotic markers in chondrogenic differentiated mesenchymal stromal cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019, 13, 1896-1911.	1.3	17
42	Molecular and Biological Features of Two New Human Squamous and Adenocarcinoma of the Lung Cell Lines. <i>Cancer Genetics and Cytogenetics</i> , 1998, 107, 11-20.	1.0	15
43	Evidence of specific characteristics and osteogenic potentiality in bone cells from tibia. <i>Journal of Cellular Physiology</i> , 2011, 226, 2675-2682.	2.0	15
44	An Elevated Number of Differentiated Osteoblast Colonies Can Be Obtained from Rat Bone Marrow Stromal Cells Using a Gradient Isolation Procedure. <i>Connective Tissue Research</i> , 2001, 42, 49-58.	1.1	14
45	Surface-dependent modulation of proliferation, bone matrix molecules, and inflammatory factors in human osteoblasts. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 89A, 687-696.	2.1	14
46	Polysaccharides on gelatin-based hydrogels differently affect chondrogenic differentiation of human mesenchymal stromal cells. <i>Materials Science and Engineering C</i> , 2021, 126, 112175.	3.8	14
47	The Release of Inflammatory Mediators from Acid-Stimulated Mesenchymal Stromal Cells Favours Tumour Invasiveness and Metastasis in Osteosarcoma. <i>Cancers</i> , 2021, 13, 5855.	1.7	14
48	Chondrogenic Potential of Slug-Depleted Human Mesenchymal Stem Cells. <i>Tissue Engineering - Part A</i> , 2014, 20, 2795-2805.	1.6	13
49	Melanocytes from Patients Affected by Ullrich Congenital Muscular Dystrophy and Bethlem Myopathy have Dysfunctional Mitochondria That Can be Rescued with Cyclophilin Inhibitors. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 324.	1.7	12
50	Morphological study of TNPO3 and SRSF1 interaction during myogenesis by combining confocal, structured illumination and electron microscopy analysis. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 1797-1811.	1.4	12
51	Increase of nuclear phosphatidylinositol 4,5-bisphosphate and phospholipase C β 1 is not associated to variations of protein kinase C in multidrug-resistant Saos-2 cells. <i>Microscopy Research and Technique</i> , 1997, 36, 172-178.	1.2	11
52	Effects of antisense mediated inhibition of cathepsin K on human osteoclasts obtained from peripheral blood. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1699-1708.	1.2	10
53	Image analysis of the chromatin organization in the nuclear domains of freeze fractured hepatocytes and lymphocytes. <i>Biology of the Cell</i> , 1990, 70, 107-119.	0.7	8
54	Quantitative immunodetection of key elements of polyphosphoinositide signal transduction in osteoblasts from arthritic patients shows a direct correlation with cell proliferation. <i>Histochemistry and Cell Biology</i> , 2005, 124, 131-137.	0.8	8

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55	PKC- ζ expression is lower in osteoblasts from arthritic patients: IL1- β and TNF- α induce a similar decrease in non-arthritic human osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 547-555.	1.2	8
56	Transfected Saos-2 cells overexpressing phosphoinositidase C β 1 isoform accumulate it within the nucleus. <i>Biology of the Cell</i> , 1996, 86, 121-126.	0.7	7
57	Nuclear domains involved in inositol lipid signal transduction. <i>Advances in Enzyme Regulation</i> , 2000, 40, 219-253.	2.9	7
58	Sustained Autocrine Induction and Impaired Negative Feedback of Osteoclastogenesis in CD14+ Cells of Giant Cell Tumor of Bone. <i>American Journal of Pathology</i> , 2013, 182, 1357-1366.	1.9	7
59	Growth on poly(l-lactic acid) porous scaffold preserves CD73 and CD90 immunophenotype markers of rat bone marrow mesenchymal stromal cells. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2421-2436.	1.7	7
60	Immunoelectron microscopic localization of Collagen type XV during human mesenchymal stem cells mineralization. <i>Connective Tissue Research</i> , 2018, 59, 42-45.	1.1	7
61	P-glycoprotein subcellular localization and cell morphotype in MDR1 gene-transfected human osteosarcoma cells. <i>Biology of the Cell</i> , 1999, 91, 17-28.	0.7	6
62	Multidrug-resistance (MDR) phenotype of human osteosarcoma cells evaluated by quantitative morphological and electron microscopy analyses. <i>Biology of the Cell</i> , 1995, 84, 195-204.	0.7	5
63	Establishment and characterization of two new cell lines derived from human metastatic breast carcinomas. <i>Breast Cancer Research and Treatment</i> , 1997, 43, 141-151.	1.1	5
64	Transfer of HIV-1 to Human Tonsillar Stromal Cells Following Cocultivation with Infected Lymphocytes. <i>AIDS Research and Human Retroviruses</i> , 1994, 10, 675-682.	0.5	3
65	FT-IR Spectral Signature of Sensitive and Multidrug-Resistant Osteosarcoma Cell-Derived Extracellular Nanovesicles. <i>Cells</i> , 2022, 11, 778.	1.8	3
66	Electron microscopy microsampling of isolated nuclei sorted by flow cytometry. <i>Cytometry</i> , 1986, 7, 605-608.	1.8	2
67	Cytoplasmic and nuclear localization sites of phosphatidylinositol 3-kinase in human osteosarcoma sensitive and multidrug-resistant Saos-2 cells. <i>Histochemistry and Cell Biology</i> , 1996, 106, 457-464.	0.8	2
68	Genomic integrity and mitochondrial metabolism defects in Warsaw syndrome cells: a comparison with Fanconi anemia. <i>Journal of Cellular Physiology</i> , 2021, 236, 5664-5675.	2.0	1
69	Single and Double Colloidal Gold Labeling in Postembedding Immunoelectron Microscopy. , 2004, 285, 161-170.		0
70	Gli organi endocrini bioartificiali: prospettive della ricerca traslazionale applicata alla medicina rigenerativa in endocrinologia. <i>L Endocrinologo</i> , 2012, 13, 113-121.	0.0	0
71	The masks of Lorenzo Tenchini: their anatomy and surgical/bioengineering clues. <i>Journal of Anatomy</i> , 2019, 235, 1036-1044.	0.9	0
72	Quantitative immunodetection of key elements of polyphosphoinositide signal transduction in osteoblasts from arthritic patients shows a direct correlation with cell proliferation. <i>Biotechnology Letters</i> , 0, , 1-7.	1.1	0