Roberta Piva

List of Publications by Year
in descending order

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111 papers	2,354 citations	201385 27 h-index	301761 39 g-index
114 all docs	114 docs citations	114 times ranked	3295 citing authors

#	Article	IF	Citations
1	From microRNA functions to microRNA therapeutics: Novel targets and novel drugs in breast cancer research and treatment. International Journal of Oncology, 2013, 43, 985-994.	1.4	114
2	(â˜')-Epigallocatechin-3-gallate downregulates estrogen receptor alpha function in MCF-7 breast carcinoma cells. Cancer Detection and Prevention, 2007, 31, 499-504.	2.1	64
3	Deficiency of polycystinâ€2 reduces Ca 2+ channel activity and cell proliferation in ADPKD lymphoblastoid cells. FASEB Journal, 2004, 18, 884-886.	0.2	63
4	â€œBridging the Gapâ€•Everything that Could Have Been Avoided If We Had Applied Gender Medicine, Pharmacogenetics and Personalized Medicine in the Gender-Omics and Sex-Omics Era. International Journal of Molecular Sciences, 2020, 21, 296.	1.8	63
5	Analysis of upstream sequences of the human estrogen receptor gene. Biochemical and Biophysical Research Communications, 1992, 183, 996-1002.	1.0	62
6	Preparation of cell-encapsulation devices in confined microenvironment. Advanced Drug Delivery Reviews, 2013, 65, 1533-1555.	6.6	60
7	Encapsulation of Mesenchymal Stem Cells from Wharton's Jelly in Alginate Microbeads. Tissue Engineering - Part C: Methods, 2010, 16, 141-155.	1.1	59
8	Silencing of Antichondrogenic MicroRNA-221 in Human Mesenchymal Stem Cells Promotes Cartilage Repair In Vivo. Stem Cells, 2016, 34, 1801-1811.	1.4	55
9	Decoy oligodeoxynucleotides targeting NF-kappaB transcription factors: induction of apoptosis in human primary osteoclasts. Biochemical Pharmacology, 2003, 66, 1189-1198.	2.0	48
10	Induction of apoptosis of human primary osteoclasts treated with extracts from the medicinal plant Emblica officinalis. BMC Complementary and Alternative Medicine, 2008, 8, 59.	3.7	47
11	Correlation between Slug transcription factor and miR-221 in MDA-MB-231 breast cancer cells. BMC Cancer, 2012, 12, 445.	1.1	47
12	Optimised production of multifunctional microfibres by microfluidic chip technology for tissue engineering applications. Lab on A Chip, 2011, 11, 1776.	3.1	42
13	Differential Hypomethylation of the c-MYC Protooncogene in Bladder Cancers at Different Stages and Grades. Journal of Urology, 1989, 142, 146-149.	0.2	40
14	MicroRNA-221 silencing attenuates the degenerated phenotype of intervertebral disc cells. Aging, 2018, 10, 2001-2015.	1.4	39
15	SLUG: a new target of lymphoid enhancer factor-1 in human osteoblasts. BMC Molecular Biology, 2010, 11, 13.	3.0	37
16	Slug gene expression supports human osteoblast maturation. Cellular and Molecular Life Sciences, 2009, 66, 3641-3653.	2.4	36
17	Human mesenchymal stem cells seeded on extracellular matrixâ€scaffold: Viability and osteogenic potential. Journal of Cellular Physiology, 2012, 227, 857-866.	2.0	36
18	Pro-Chondrogenic Effect of miR-221 and Slug Depletion in Human MSCs. Stem Cell Reviews and Reports, 2014, 10, 841-855.	5.6	36

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19	Production of polymeric micelles by microfluidic technology for combined drug delivery: Application to osteogenic differentiation of human periodontal ligament mesenchymal stem cells (hPDLSCs). International Journal of Pharmaceutics, 2013, 440, 195-206.	2.6	35
20	Composite ECMâ€“alginate microfibers produced by microfluidics as scaffolds with biomineralization potential. Materials Science and Engineering C, 2015, 56, 141-153.	3.8	35
21	In vitro effects of estrogen on tgb and c-myc gene expression in normal and neoplastic human thyroids. Molecular and Cellular Endocrinology, 1989, 63, 67-74.	1.6	32
22	Vav1 and PU.1 are recruited to the CD11b promoter in APL-derived promyelocytes: Role of Vav1 in modulating PU.1-containing complexes during ATRA-induced differentiation. Experimental Cell Research, 2010, 316, 38-47.	1.2	32
23	Role of Slug transcription factor in human mesenchymal stem cells. Journal of Cellular and Molecular Medicine, 2012, 16, 740-751.	1.6	32
24	Establishment of a 3D-dynamic osteoblastsâ€“osteoclasts co-culture model to simulate the jawbone microenvironment in vitro. Life Sciences, 2016, 152, 82-93.	2.0	32
25	Evaluation of chemokine and cytokine profiles in osteoblast progenitors from umbilical cord blood stem cells by BIOâ€PLEX technology. Cell Biology International, 2008, 32, 320-325.	1.4	31
26	Somatostatin Reduces³H-Thymidine Incorporation and c-myc, but not Thyroglobulin Ribonucleic Acid Levels in Human Thyroid Follicular Cellsin Vitro*. Journal of Clinical Endocrinology and Metabolism, 1991, 72, 1364-1371.	1.8	30
27	Expression of Estrogen Receptor Î± Gene in Breast Cancer Cells Treated With Transcription Factor Decoy Is Modulated by Bangladeshi Natural Plant Extracts. Oncology Research, 2005, 15, 69-79.	0.6	30
28	Gene array profile identifies collagen type XV as a novel human osteoblastâ€secreted matrix protein. Journal of Cellular Physiology, 2009, 220, 401-409.	2.0	30
29	Methylation analysis of the promoter F of estrogen receptor Î± gene: effects on the level of transcription on human osteoblastic cells. Journal of Steroid Biochemistry and Molecular Biology, 2004, 91, 1-9.	1.2	28
30	Extracellular calcium chronically induced human osteoblasts effects: Specific modulation of osteocalcin and collagen type XV. Journal of Cellular Physiology, 2012, 227, 3151-3161.	2.0	27
31	Osteogenic differentiation of human MSCs: Specific occupancy of the mitochondrial DNA by NFATc1 transcription factor. International Journal of Biochemistry and Cell Biology, 2015, 64, 212-219.	1.2	27
32	Hypoxia Preconditioning of Human MSCs: a Direct Evidence of HIF-1Î± and Collagen Type XV Correlation. Cellular Physiology and Biochemistry, 2018, 51, 2237-2249.	1.1	27
33	Induction of apoptosis of human primary osteoclasts treated with a transcription factor decoy mimicking a promoter region of estrogen receptor Î±. Apoptosis: an International Journal on Programmed Cell Death, 2005, 10, 1079-1094.	2.2	26
34	Apoptosis of Human Primary Osteoclasts Treated with Molecules Targeting Nuclear Factorâ€ÎºB. Annals of the New York Academy of Sciences, 2009, 1171, 448-456.	1.8	26
35	Collagen type XV and the â€˜osteogenic statusâ€™. Journal of Cellular and Molecular Medicine, 2017, 21, 2236-2244.	1.6	26
36	Expression of polycystin-1 C-terminal fragment enhances the ATP-induced Ca2+ release in human kidney cells. Biochemical and Biophysical Research Communications, 2003, 301, 657-664.	1.0	24

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37	Sex hormone receptor levels in laryngeal carcinoma: a comparison between protein and RNA evaluations. European Archives of Oto-Rhino-Laryngology, 2008, 265, 1089-1094.	0.8	24
38	Osteoblastic Differentiation Induced by Transcription Factor Decoy against Estrogen Receptor Î± Gene. Biochemical and Biophysical Research Communications, 2002, 292, 761-770.	1.0	23
39	Calcium Sensing Receptor Activation by Calcimimetic R-568 in Human Amniotic Fluid Mesenchymal Stem Cells: Correlation with Osteogenic Differentiation. Stem Cells and Development, 2014, 23, 2959-2971.	1.1	23
40	Upregulation of the alternative splicing factor NOVA2 in colorectal cancer vasculature. OncoTargets and Therapy, 2018, Volume 11, 6049-6056.	1.0	23
41	Cis element â€˜decoyâ€™ against the upstream promoter of the human estrogen receptor gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1492, 560-567.	2.4	22
42	Expression of the human oestrogen receptor-alpha gene is regulated by promoter F in MG-63 osteoblastic cells. Biochemical Journal, 2003, 372, 831-839.	1.7	22
43	ERÎ± and APâ€1 interact in vivo with a specific sequence of the F promoter of the human ERÎ± gene in osteoblasts. Journal of Cellular Physiology, 2008, 216, 101-110.	2.0	22
44	Effect of dynamic threeâ€dimensional culture on osteogenic potential of human periodontal ligamentâ€derived mesenchymal stem cells entrapped in alginate microbeads. Journal of Periodontal Research, 2015, 50, 544-553.	1.4	22
45	Dedifferentiated Chondrocytes in Composite Microfibers As Tool for Cartilage Repair. Frontiers in Bioengineering and Biotechnology, 2017, 5, 35.	2.0	22
46	Extracellular Matrix From Decellularized Whartonâ€™s Jelly Improves the Behavior of Cells From Degenerated Intervertebral Disc. Frontiers in Bioengineering and Biotechnology, 2020, 8, 262.	2.0	22
47	Peptide Nucleic Acids (PNA)-DNA Chimeras Targeting Transcription Factors as a Tool to Modify Gene Expression. Current Drug Targets, 2004, 5, 735-744.	1.0	21
48	Human leukemic K562 cells: Suppression of hemoglobin accumulation by a monoclonal antibody to human transferrin receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 1986, 886, 203-213.	1.9	20
49	K562 Erythroid and HL60 Macrophage Differentiation Downregulates Polycystin, a Large Membrane-Associated Protein. Experimental Cell Research, 1998, 244, 259-267.	1.2	19
50	Influence of obstetric factors on osteogenic potential of umbilical cord-derived mesenchymal stem cells. Reproductive Biology and Endocrinology, 2009, 7, 106.	1.4	19
51	Abnormal methylation of estrogen receptor gene and reduced estrogen receptor RNA levels in human endometrial carcinomas. The Journal of Steroid Biochemistry, 1989, 32, 1-4.	1.3	18
52	Polymerase-chain reaction as a tool for investigations on sequence-selectivity of DNA-drugs interactions. Journal of Proteomics, 1994, 29, 307-319.	2.4	18
53	Induction of Estrogen Receptor Î± Expression with Decoy Oligonucleotide Targeted to NFATc1 Binding Sites in Osteoblasts. Molecular Pharmacology, 2007, 71, 1457-1462.	1.0	18
54	The expression of cystathionine gamma-lyase is regulated by estrogen receptor alpha in human osteoblasts. Oncotarget, 2017, 8, 101686-101696.	0.8	18

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55	Mutations in autosomal dominant polycystic kidney disease 2 gene: Reduced expression of PKD2 protein in lymphoblastoid cells. American Journal of Kidney Diseases, 1999, 33, 880-885.	2.1	17
56	Menaquinoneâ€4 enhances osteogenic potential of human amniotic fluid mesenchymal stem cells cultured in 2D and 3D dynamic culture systems. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 447-459.	1.3	17
57	Reciprocal Regulation of TRPS1 and miR-221 in Intervertebral Disc Cells. Cells, 2019, 8, 1170.	1.8	17
58	Human estrogen receptor Î± gene is a target of Runx2 transcription factor in osteoblasts. Experimental Cell Research, 2007, 313, 1548-1560.	1.2	16
59	Human leukemia K562 cells: Relationship between hemin-mediated erythroid induction, cell proliferation and expression of c-abl and c-myc oncogenes. Biochemical and Biophysical Research Communications, 1984, 125, 90-96.	1.0	15
60	Novel splicing and missense mutations in autosomal dominant polycystic kidney disease 1 (PKD1) gene: Expression of mutated genes. Human Mutation, 2000, 16, 444-445.	1.1	15
61	Regulation of the Expression of Class II Genes of the Human Major Histocompatibility Complex in Tumor Cells. Annals of the New York Academy of Sciences, 1987, 511, 292-307.	1.8	14
62	N-Arylpiperazine modified analogues of the P2X7 receptor KN-62 antagonist are potent inducers of apoptosis of human primary osteoclasts. Journal of Biomedical Science, 2005, 12, 1013-1020.	2.6	14
63	Induction of Apoptosis of Osteoclasts by Targeting Transcription Factors with Decoy Molecules. Annals of the New York Academy of Sciences, 2006, 1091, 509-516.	1.8	14
64	Slug contributes to the regulation of CXCL12 expression in human osteoblasts. Experimental Cell Research, 2011, 317, 1159-1168.	1.2	14
65	A network including PU.1, Vav1 and miR-142-3p sustains ATRA-induced differentiation of acute promyelocytic leukemia cells - a short report. Cellular Oncology (Dordrecht), 2016, 39, 483-489.	2.1	14
66	Emerging potential of gene silencing approaches targeting anti-chondrogenic factors for cell-based cartilage repair. Cellular and Molecular Life Sciences, 2017, 74, 3451-3465.	2.4	14
67	SLUG/HIF1-Î±/miR-221 regulatory circuit in endometrial cancer. Gene, 2019, 711, 143938.	1.0	14
68	Modulation of estrogen receptor gene expression in human breast cancer cells: A decoy strategy with specific PCR-generated DNA fragments. Breast Cancer Research and Treatment, 1998, 49, 227-235.	1.1	13
69	hnRNP K in PU.1-containing complexes recruited at the CD11b promoter: a distinct role in modulating granulocytic and monocytic differentiation of AML-derived cells. Biochemical Journal, 2014, 463, 115-122.	1.7	13
70	Chondrogenic Potential of Slug-Depleted Human Mesenchymal Stem Cells. Tissue Engineering - Part A, 2014, 20, 2795-2805.	1.6	13
71	Local in vivo administration of a decoy oligonucleotide targeting NF-kappaB induces apoptosis of osteoclasts after application of orthodontic forces to rat teeth. International Journal of Molecular Medicine, 2006, 18, 807-11.	1.8	13
72	Peptide nucleic acid-DNA decoy chimeras targeting NF-kappaB transcription factors: Induction of apoptosis in human primary osteoclasts. International Journal of Molecular Medicine, 2004, 14, 145-52.	1.8	12

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73	Clustering of undermethylated CCGG and GCGC sequences in the 5â€² region of the Ha-ras-1 oncogene of human leukemic K562 cells. Biochemical and Biophysical Research Communications, 1987, 145, 96-104.	1.0	11
74	Nuclear proteome analysis reveals a role of Vav1 in modulating RNA processing during maturation of tumoral promyelocytes. Journal of Proteomics, 2011, 75, 398-409.	1.2	11
75	Transcription factor decoy against NFATc1 in human primary osteoblasts. International Journal of Molecular Medicine, 2011, 28, 199-206.	1.8	11
76	Vav1 is necessary for PU .1 mediated upmodulation of miRâ€29b in acute myeloid leukaemiaâ€derived cells. Journal of Cellular and Molecular Medicine, 2018, 22, 3149-3158.	1.6	11
77	Modulation of estrogen receptor gene transcription in breast cancer cells by liposome delivered decoy molecules. Journal of Steroid Biochemistry and Molecular Biology, 2000, 75, 121-128.	1.2	10
78	Transcription Factor Decoy (TFD) in Breast Cancer Research and Treatment. Technology in Cancer Research and Treatment, 2002, 1, 405-416.	0.8	10
79	Synthesis, characterization of strontium-bile acid salts and their bioactivity vs. the anti-osteoporosis drug strontium ranelate. Journal of Inorganic Biochemistry, 2009, 103, 891-897.	1.5	10
80	Targeted Therapy in Head and Neck Cancer. Tumori, 2011, 97, 137-141.	0.6	10
81	Essential oils and isolated compounds from Lippia alba leaves and flowers: Antimicrobial activity and osteoclast apoptosis. International Journal of Molecular Medicine, 2015, 35, 211-217.	1.8	10
82	Expression and function of the P2X7 receptor in human osteoblasts: The role of NFATc1 transcription factor. Journal of Cellular Physiology, 2021, 236, 641-652.	2.0	10
83	Analysis of a DNA Sequence Upstream of the Human Estrogen Receptor Gene. Annals of the New York Academy of Sciences, 1993, 684, 235-238.	1.8	9
84	Modulation of gene expression in human osteoblasts by targeting a distal promoter region of human estrogen receptor-alpha gene. Journal of Endocrinology, 2002, 172, 683-693.	1.2	9
85	Plants with antitumor properties: from biologically active molecules to drugs. Advances in Phytomedicine, 2006, 2, 45-63.	0.1	9
86	Human osteoclasts/osteoblasts 3D dynamic coâ€culture system to study the beneficial effects of glucosamine on bone microenvironment. International Journal of Molecular Medicine, 2021, 47, .	1.8	9
87	Ectopic expression of PLCâ€Î²2 in nonâ€invasive breast tumor cells plays a protective role against malignant progression and is correlated with the deregulation of miRâ€146a. Molecular Carcinogenesis, 2019, 58, 708-721.	1.3	8
88	In vitro stability of polymerase chain reaction-generated DNA fragments in serum and cell extracts. Biochemical Pharmacology, 1998, 56, 703-708.	2.0	7
89	Transcription factor decoy against promoter C of estrogen receptor Î± gene induces a functional ERÎ± protein in breast cancer cells. Breast Cancer Research and Treatment, 2005, 92, 125-132.	1.1	7
90	Human osteoclasts differentiated from umbilical cord blood precursors are less prone to apoptotic stimuli than osteoclasts from peripheral blood. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 553-561.	2.2	7

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91	Immunoelectron microscopic localization of Collagen type XV during human mesenchymal stem cells mineralization. Connective Tissue Research, 2018, 59, 42-45.	1.1	7
92	Three-Dimensional Co-Culture System of Human Osteoblasts and Osteoclast Precursors from Osteoporotic Patients as an Innovative Model to Study the Role of Nutrients: Focus on Vitamin K2. Nutrients, 2021, 13, 2823.	1.7	7
93	Transgenic mice mimic the methylation pattern of the human HLA-DRÎ± gene. Biochemical and Biophysical Research Communications, 1991, 175, 459-466.	1.0	6
94	â€œIn vivoâ€•local transfection of a cis element decoy mimicking an estrogen receptor alpha gene promoter region induces apoptosis of osteoclasts following application of orthodontic forces to rat teeth. Apoptosis: an International Journal on Programmed Cell Death, 2006, 11, 1653-1656.	2.2	6
95	The P2X7 purinergic receptor in intervertebral disc degeneration. Journal of Cellular Physiology, 2022, 237, 1418-1428.	2.0	6
96	Decellularized extracellular matrix-based scaffold and hypoxic priming: A promising combination to improve the phenotype of degenerate intervertebral disc cells. Life Sciences, 2022, 301, 120623.	2.0	6
97	Direct Transfection of Polymerase Chain Reaction-Generated DNA Fragments into Mammalian Cells Employing Ethidium Bromide Indicator and Ultrafiltration. Analytical Biochemistry, 1997, 248, 190-193.	1.1	5
98	Slug transcription factor and nuclear Lamin B1 are upregulated in osteoarthritic chondrocytes. Osteoarthritis and Cartilage, 2015, 23, 1226-1230.	0.6	5
99	Local in vivo administration of a decoy oligonucleotide targeting NF-ÎºB induces apoptosis of osteoclasts after application of orthodontic forces to rat teeth. International Journal of Molecular Medicine, 0, , .	1.8	5
100	Peptide nucleic acid-DNA decoy chimeras targeting NF-ÎºB transcription factors: Induction of apoptosis in human primary osteoclasts. International Journal of Molecular Medicine, 2004, 14, 145.	1.8	4
101	Chondrogenic potential of human mesenchymal stem cells and expression of Slug transcription factor. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 740-744.	1.3	3
102	CG Dinucleotides of class II MHC genes are mutation hot-spots. Cytotechnology, 1988, 1, 133-138.	0.7	2
103	Osteoclasts from peripheral blood mononuclear cells culture of ankylosing spondylitis subjects are resistant to apoptosis. Biomedicine and Preventive Nutrition, 2013, 3, 253-259.	0.9	2
104	Osteogenesis During Early Healing Around Titanium and Roxolid Implants: Evaluation of Bone Markers by Immunohistochemistry and RT-PCR Analysis in Miniature Pigs: A Pilot Study. International Journal of Oral and Maxillofacial Implants, 2017, 32, 42-51.	0.6	2
105	Pro-Osteogenic Properties of Violina pumpkin (Cucurbita moschata) Leaf Extracts: Data from In Vitro Human Primary Cell Cultures. Nutrients, 2021, 13, 2633.	1.7	2
106	Methylation State of Cellular Genes and Oncogenes as a Marker of Malignancy in Human Carcinomas. Tumori, 1989, 75, 321-328.	0.6	1
107	RB orchestrates fat cell and cell fate. Cell Cycle, 2014, 13, 508-508.	1.3	1
108	Molecular Evolution of the Ha-ras-1 Oncogene: Relationship between DNA Methylation, Frequency of CpG Dinucleotides and Binding to the Sp1 Transacting Factor. , 1991, , 163-172.		1

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109	Molecular cytogenetic analysis of human breast tumors: methylation pattern of the HLA-DR? gene. Cytotechnology, 1987, 1, 83-85.	0.7	0
110	Methylation and expression of the estrogen receptor gene in normal and neoplastic human tissues. Pharmacological Research, 1990, 22, 160.	3.1	0
111	Methylation state of the human HLA-DRa gene in transgenic mice. Cytotechnology, 1991, 5, 55-56.	0.7	0