

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
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114
all docs

114
docs citations

114
times ranked

3295
citing authors

#	ARTICLE	IF	CITATIONS
1	The P2X7 purinergic receptor in intervertebral disc degeneration. <i>Journal of Cellular Physiology</i> , 2022, 237, 1418-1428.	2.0	6
2	Decellularized extracellular matrix-based scaffold and hypoxic priming: A promising combination to improve the phenotype of degenerate intervertebral disc cells. <i>Life Sciences</i> , 2022, 301, 120623.	2.0	6
3	Expression and function of the P2X7 receptor in human osteoblasts: The role of NFATc1 transcription factor. <i>Journal of Cellular Physiology</i> , 2021, 236, 641-652.	2.0	10
4	Human osteoclasts/osteoblasts 3D dynamic co-culture system to study the beneficial effects of glucosamine on bone microenvironment. <i>International Journal of Molecular Medicine</i> , 2021, 47, .	1.8	9
5	Pro-Osteogenic Properties of Violina pumpkin (<i>Cucurbita moschata</i>) Leaf Extracts: Data from In Vitro Human Primary Cell Cultures. <i>Nutrients</i> , 2021, 13, 2633.	1.7	2
6	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. <i>Nutrients</i> , 2021, 13, 2823.	1.7	7
7	“Bridging the Gap” Everything that Could Have Been Avoided If We Had Applied Gender Medicine, Pharmacogenetics and Personalized Medicine in the Gender-Omics and Sex-Omics Era. <i>International Journal of Molecular Sciences</i> , 2020, 21, 296.	1.8	63
8	Extracellular Matrix From Decellularized Wharton’s Jelly Improves the Behavior of Cells From Degenerated Intervertebral Disc. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 262.	2.0	22
9	Reciprocal Regulation of TRPS1 and miR-221 in Intervertebral Disc Cells. <i>Cells</i> , 2019, 8, 1170.	1.8	17
10	SLUG/HIF1- β /miR-221 regulatory circuit in endometrial cancer. <i>Gene</i> , 2019, 711, 143938.	1.0	14
11	Ectopic expression of PLC β 2 in non-invasive breast tumor cells plays a protective role against malignant progression and is correlated with the deregulation of miR-146a. <i>Molecular Carcinogenesis</i> , 2019, 58, 708-721.	1.3	8
12	Vav1 is necessary for PU.1 mediated upmodulation of miR-29b in acute myeloid leukaemia-derived cells. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 3149-3158.	1.6	11
13	Menaquinone-4 enhances osteogenic potential of human amniotic fluid mesenchymal stem cells cultured in 2D and 3D dynamic culture systems. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 447-459.	1.3	17
14	Hypoxia Preconditioning of Human MSCs: a Direct Evidence of HIF-1 β and Collagen Type XV Correlation. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2237-2249.	1.1	27
15	Upregulation of the alternative splicing factor NOVA2 in colorectal cancer vasculature. <i>OncoTargets and Therapy</i> , 2018, Volume 11, 6049-6056.	1.0	23
16	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
17	MicroRNA-221 silencing attenuates the degenerated phenotype of intervertebral disc cells. <i>Aging</i> , 2018, 10, 2001-2015.	1.4	39
18	Emerging potential of gene silencing approaches targeting anti-chondrogenic factors for cell-based cartilage repair. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3451-3465.	2.4	14

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19	Collagen type XV and the "osteogenic status"™. Journal of Cellular and Molecular Medicine, 2017, 21, 2236-2244.	1.6	26
20	Dedifferentiated Chondrocytes in Composite Microfibers As Tool for Cartilage Repair. Frontiers in Bioengineering and Biotechnology, 2017, 5, 35.	2.0	22
21	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
22	The expression of cystathionine gamma-lyase is regulated by estrogen receptor alpha in human osteoblasts. Oncotarget, 2017, 8, 101686-101696.	0.8	18
23	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
24	Silencing of Antichondrogenic MicroRNA-221 in Human Mesenchymal Stem Cells Promotes Cartilage Repair In Vivo. Stem Cells, 2016, 34, 1801-1811.	1.4	55
25	Establishment of a 3D-dynamic osteoblasts"osteoclasts co-culture model to simulate the jawbone microenvironment in vitro. Life Sciences, 2016, 152, 82-93.	2.0	32
26	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
27	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
28	Effect of dynamic three-dimensional culture on osteogenic potential of human periodontal ligament-derived mesenchymal stem cells entrapped in alginate microbeads. Journal of Periodontal Research, 2015, 50, 544-553.	1.4	22
29	Slug transcription factor and nuclear Lamin B1 are upregulated in osteoarthritic chondrocytes. Osteoarthritis and Cartilage, 2015, 23, 1226-1230.	0.6	5
30	Composite ECM"alginate microfibers produced by microfluidics as scaffolds with biomineralization potential. Materials Science and Engineering C, 2015, 56, 141-153.	3.8	35
31	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
32	RB orchestrates fat cell and cell fate. Cell Cycle, 2014, 13, 508-508.	1.3	1
33	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
34	Chondrogenic Potential of Slug-Depleted Human Mesenchymal Stem Cells. Tissue Engineering - Part A, 2014, 20, 2795-2805.	1.6	13
35	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
36	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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37	Preparation of cell-encapsulation devices in confined microenvironment. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1533-1555.	6.6	60
38	Production of polymeric micelles by microfluidic technology for combined drug delivery: Application to osteogenic differentiation of human periodontal ligament mesenchymal stem cells (hPDLSCs). <i>International Journal of Pharmaceutics</i> , 2013, 440, 195-206.	2.6	35
39	Osteoclasts from peripheral blood mononuclear cells culture of ankylosing spondylitis subjects are resistant to apoptosis. <i>Biomedicine and Preventive Nutrition</i> , 2013, 3, 253-259.	0.9	2
40	From microRNA functions to microRNA therapeutics: Novel targets and novel drugs in breast cancer research and treatment. <i>International Journal of Oncology</i> , 2013, 43, 985-994.	1.4	114
41	Correlation between Slug transcription factor and miR-221 in MDA-MB-231 breast cancer cells. <i>BMC Cancer</i> , 2012, 12, 445.	1.1	47
42	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
43	Role of Slug transcription factor in human mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 740-751.	1.6	32
44	Human mesenchymal stem cells seeded on extracellular matrix scaffold: Viability and osteogenic potential. <i>Journal of Cellular Physiology</i> , 2012, 227, 857-866.	2.0	36
45	Optimised production of multifunctional microfibrils by microfluidic chip technology for tissue engineering applications. <i>Lab on A Chip</i> , 2011, 11, 1776.	3.1	42
46	Nuclear proteome analysis reveals a role of Vav1 in modulating RNA processing during maturation of tumoral promyelocytes. <i>Journal of Proteomics</i> , 2011, 75, 398-409.	1.2	11
47	Transcription factor decoy against NFATc1 in human primary osteoblasts. <i>International Journal of Molecular Medicine</i> , 2011, 28, 199-206.	1.8	11
48	Targeted Therapy in Head and Neck Cancer. <i>Tumori</i> , 2011, 97, 137-141.	0.6	10
49	Slug contributes to the regulation of CXCL12 expression in human osteoblasts. <i>Experimental Cell Research</i> , 2011, 317, 1159-1168.	1.2	14
50	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. <i>Experimental Cell Research</i> , 2010, 316, 38-47.	1.2	32
51	SLUG: a new target of lymphoid enhancer factor-1 in human osteoblasts. <i>BMC Molecular Biology</i> , 2010, 11, 13.	3.0	37
52	Encapsulation of Mesenchymal Stem Cells from Wharton's Jelly in Alginate Microbeads. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 141-155.	1.1	59
53	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
54	Slug gene expression supports human osteoblast maturation. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 3641-3653.	2.4	36

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55	Apoptosis of Human Primary Osteoclasts Treated with Molecules Targeting Nuclear Factor- κ B. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 448-456.	1.8	26
56	Synthesis, characterization of strontium-bile acid salts and their bioactivity vs. the anti-osteoporosis drug strontium ranelate. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 891-897.	1.5	10
57	Influence of obstetric factors on osteogenic potential of umbilical cord-derived mesenchymal stem cells. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 106.	1.4	19
58	Human osteoclasts differentiated from umbilical cord blood precursors are less prone to apoptotic stimuli than osteoclasts from peripheral blood. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008, 13, 553-561.	2.2	7
59	Sex hormone receptor levels in laryngeal carcinoma: a comparison between protein and RNA evaluations. <i>European Archives of Oto-Rhino-Laryngology</i> , 2008, 265, 1089-1094.	0.8	24
60	ER α and AP-1 interact in vivo with a specific sequence of the F promoter of the human ER α gene in osteoblasts. <i>Journal of Cellular Physiology</i> , 2008, 216, 101-110.	2.0	22
61	Evaluation of chemokine and cytokine profiles in osteoblast progenitors from umbilical cord blood stem cells by BIO-PLEX technology. <i>Cell Biology International</i> , 2008, 32, 320-325.	1.4	31
62	Induction of apoptosis of human primary osteoclasts treated with extracts from the medicinal plant <i>Embolica officinalis</i> . <i>BMC Complementary and Alternative Medicine</i> , 2008, 8, 59.	3.7	47
63	Induction of Estrogen Receptor α Expression with Decoy Oligonucleotide Targeted to NFATc1 Binding Sites in Osteoblasts. <i>Molecular Pharmacology</i> , 2007, 71, 1457-1462.	1.0	18
64	(-)-Epigallocatechin-3-gallate downregulates estrogen receptor alpha function in MCF-7 breast carcinoma cells. <i>Cancer Detection and Prevention</i> , 2007, 31, 499-504.	2.1	64
65	Human estrogen receptor α gene is a target of Runx2 transcription factor in osteoblasts. <i>Experimental Cell Research</i> , 2007, 313, 1548-1560.	1.2	16
66	Plants with antitumor properties: from biologically active molecules to drugs. <i>Advances in Phytomedicine</i> , 2006, 2, 45-63.	0.1	9
67	Induction of Apoptosis of Osteoclasts by Targeting Transcription Factors with Decoy Molecules. <i>Annals of the New York Academy of Sciences</i> , 2006, 1091, 509-516.	1.8	14
68	In vivo 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. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 1653-1656.	2.2	6
69	Local in vivo administration of a decoy oligonucleotide targeting NF- κ B induces apoptosis of osteoclasts after application of orthodontic forces to rat teeth. <i>International Journal of Molecular Medicine</i> , 2006, 18, 807-11.	1.8	13
70	Expression of Estrogen Receptor α Gene in Breast Cancer Cells Treated With Transcription Factor Decoy Is Modulated by Bangladeshi Natural Plant Extracts. <i>Oncology Research</i> , 2005, 15, 69-79.	0.6	30
71	Induction of apoptosis of human primary osteoclasts treated with a transcription factor decoy mimicking a promoter region of estrogen receptor α . <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005, 10, 1079-1094.	2.2	26
72	N-Arylpiperazine modified analogues of the P2X7 receptor KN-62 antagonist are potent inducers of apoptosis of human primary osteoclasts. <i>Journal of Biomedical Science</i> , 2005, 12, 1013-1020.	2.6	14

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73	Transcription factor decoy against promoter C of estrogen receptor $\hat{\alpha}$ gene induces a functional ER $\hat{\alpha}$ protein in breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2005, 92, 125-132.	1.1	7
74	Deficiency of polycystin $\hat{\alpha}$ 2 reduces Ca ²⁺ channel activity and cell proliferation in ADPKD lymphoblastoid cells. <i>FASEB Journal</i> , 2004, 18, 884-886.	0.2	63
75	Peptide nucleic acid-DNA decoy chimeras targeting NF- $\hat{\kappa}$ B transcription factors: Induction of apoptosis in human primary osteoclasts. <i>International Journal of Molecular Medicine</i> , 2004, 14, 145.	1.8	4
76	Methylation analysis of the promoter F of estrogen receptor $\hat{\alpha}$ gene: effects on the level of transcription on human osteoblastic cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004, 91, 1-9.	1.2	28
77	Peptide Nucleic Acids (PNA)-DNA Chimeras Targeting Transcription Factors as a Tool to Modify Gene Expression. <i>Current Drug Targets</i> , 2004, 5, 735-744.	1.0	21
78	Peptide nucleic acid-DNA decoy chimeras targeting NF- $\hat{\kappa}$ B transcription factors: Induction of apoptosis in human primary osteoclasts. <i>International Journal of Molecular Medicine</i> , 2004, 14, 145-52.	1.8	12
79	Decoy oligodeoxynucleotides targeting NF- $\hat{\kappa}$ B transcription factors: induction of apoptosis in human primary osteoclasts. <i>Biochemical Pharmacology</i> , 2003, 66, 1189-1198.	2.0	48
80	Expression of polycystin-1 C-terminal fragment enhances the ATP-induced Ca ²⁺ release in human kidney cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 657-664.	1.0	24
81	Expression of the human oestrogen receptor-alpha gene is regulated by promoter F in MG-63 osteoblastic cells. <i>Biochemical Journal</i> , 2003, 372, 831-839.	1.7	22
82	Modulation of gene expression in human osteoblasts by targeting a distal promoter region of human estrogen receptor-alpha gene. <i>Journal of Endocrinology</i> , 2002, 172, 683-693.	1.2	9
83	Transcription Factor Decoy (TFD) in Breast Cancer Research and Treatment. <i>Technology in Cancer Research and Treatment</i> , 2002, 1, 405-416.	0.8	10
84	Osteoblastic Differentiation Induced by Transcription Factor Decoy against Estrogen Receptor $\hat{\alpha}$ Gene. <i>Biochemical and Biophysical Research Communications</i> , 2002, 292, 761-770.	1.0	23
85	Novel splicing and missense mutations in autosomal dominant polycystic kidney disease 1 (PKD1) gene: Expression of mutated genes. <i>Human Mutation</i> , 2000, 16, 444-445.	1.1	15
86	Cis element $\hat{\alpha}$ ~decoy $\hat{\alpha}$ ™ against the upstream promoter of the human estrogen receptor gene. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1492, 560-567.	2.4	22
87	Modulation of estrogen receptor gene transcription in breast cancer cells by liposome delivered decoy molecules. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 75, 121-128.	1.2	10
88	Mutations in autosomal dominant polycystic kidney disease 2 gene: Reduced expression of PKD2 protein in lymphoblastoid cells. <i>American Journal of Kidney Diseases</i> , 1999, 33, 880-885.	2.1	17
89	Modulation of estrogen receptor gene expression in human breast cancer cells: A decoy strategy with specific PCR-generated DNA fragments. <i>Breast Cancer Research and Treatment</i> , 1998, 49, 227-235.	1.1	13
90	In vitro stability of polymerase chain reaction-generated DNA fragments in serum and cell extracts. <i>Biochemical Pharmacology</i> , 1998, 56, 703-708.	2.0	7

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91	K562 Erythroid and HL60 Macrophage Differentiation Downregulates Polycystin, a Large Membrane-Associated Protein. <i>Experimental Cell Research</i> , 1998, 244, 259-267.	1.2	19
92	Direct Transfection of Polymerase Chain Reaction-Generated DNA Fragments into Mammalian Cells Employing Ethidium Bromide Indicator and Ultrafiltration. <i>Analytical Biochemistry</i> , 1997, 248, 190-193.	1.1	5
93	Polymerase-chain reaction as a tool for investigations on sequence-selectivity of DNA-drugs interactions. <i>Journal of Proteomics</i> , 1994, 29, 307-319.	2.4	18
94	Analysis of a DNA Sequence Upstream of the Human Estrogen Receptor Gene. <i>Annals of the New York Academy of Sciences</i> , 1993, 684, 235-238.	1.8	9
95	Analysis of upstream sequences of the human estrogen receptor gene. <i>Biochemical and Biophysical Research Communications</i> , 1992, 183, 996-1002.	1.0	62
96	Transgenic mice mimic the methylation pattern of the human HLA-DR β gene. <i>Biochemical and Biophysical Research Communications</i> , 1991, 175, 459-466.	1.0	6
97	Methylation state of the human HLA-DRA gene in transgenic mice. <i>Cytotechnology</i> , 1991, 5, 55-56.	0.7	0
98	Somatostatin Reduces ³ H-Thymidine Incorporation and c-myc, but not Thyroglobulin Ribonucleic Acid Levels in Human Thyroid Follicular Cells <i>in Vitro</i> *. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991, 72, 1364-1371.	1.8	30
99	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
100	Methylation and expression of the estrogen receptor gene in normal and neoplastic human tissues. <i>Pharmacological Research</i> , 1990, 22, 160.	3.1	0
101	Methylation State of Cellular Genes and Oncogenes as a Marker of Malignancy in Human Carcinomas. <i>Tumori</i> , 1989, 75, 321-328.	0.6	1
102	In vitro effects of estrogen on tgb and c-myc gene expression in normal and neoplastic human thyroids. <i>Molecular and Cellular Endocrinology</i> , 1989, 63, 67-74.	1.6	32
103	Abnormal methylation of estrogen receptor gene and reduced estrogen receptor RNA levels in human endometrial carcinomas. <i>The Journal of Steroid Biochemistry</i> , 1989, 32, 1-4.	1.3	18
104	Differential Hypomethylation of the c-MYC Protooncogene in Bladder Cancers at Different Stages and Grades. <i>Journal of Urology</i> , 1989, 142, 146-149.	0.2	40
105	CG Dinucleotides of class II MHC genes are mutation hot-spots. <i>Cytotechnology</i> , 1988, 1, 133-138.	0.7	2
106	Regulation of the Expression of Class II Genes of the Human Major Histocompatibility Complex in Tumor Cells. <i>Annals of the New York Academy of Sciences</i> , 1987, 511, 292-307.	1.8	14
107	Clustering of undermethylated CCGG and GCGC sequences in the 5' region of the Ha-ras-1 oncogene of human leukemic K562 cells. <i>Biochemical and Biophysical Research Communications</i> , 1987, 145, 96-104.	1.0	11
108	Molecular cytogenetic analysis of human breast tumors: methylation pattern of the HLA-DR β gene. <i>Cytotechnology</i> , 1987, 1, 83-85.	0.7	0

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109	Human leukemic K562 cells: Suppression of hemoglobin accumulation by a monoclonal antibody to human transferrin receptor. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 886, 203-213.	1.9	20
110	Human leukemia K562 cells: Relationship between hemin-mediated erythroid induction, cell proliferation and expression of c-abl and c-myc oncogenes. <i>Biochemical and Biophysical Research Communications</i> , 1984, 125, 90-96.	1.0	15
111	Local in vivo administration of a decoy oligonucleotide targeting NF- κ B induces apoptosis of osteoclasts after application of orthodontic forces to rat teeth. <i>International Journal of Molecular Medicine</i> , 0, , .	1.8	5