

Maria Teresa Valenti

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,396
citations

201385

27
h-index

253896

43
g-index

103
all docs

103
docs citations

103
times ranked

3837
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating mesenchymal stem cells with abnormal osteogenic differentiation in patients with osteoporosis. <i>Arthritis and Rheumatism</i> , 2009, 60, 3356-3365.	6.7	138
2	Transcription Factor Runx2 and its Application to Bone Tissue Engineering. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 891-897.	5.6	114
3	Bone microarchitecture evaluated by histomorphometry. <i>Micron</i> , 2005, 36, 609-616.	1.1	101
4	Effects of Exercise Training on Endothelial Progenitor Cells in Patients With Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2007, 13, 701-708.	0.7	95
5	Serum 25-hydroxyvitamin D levels modulate the acute-phase response associated with the first nitrogen-containing bisphosphonate infusion. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 447-454.	3.1	93
6	Osteogenic Differentiation in Healthy and Pathological Conditions. <i>International Journal of Molecular Sciences</i> , 2017, 18, 41.	1.8	88
7	Gene expression analysis in osteoblastic differentiation from peripheral blood mesenchymal stem cells. <i>Bone</i> , 2008, 43, 1084-1092.	1.4	78
8	Lack of expression of <i>SERPINF1</i> , the gene coding for pigment epithelium-derived factor, causes progressively deforming osteogenesis imperfecta with normal type I collagen. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 723-728.	3.1	73
9	Exploring the wound healing, anti-inflammatory, anti-pathogenic and proteomic effects of lactic acid bacteria on keratinocytes. <i>Scientific Reports</i> , 2020, 10, 11572.	1.6	62
10	Histomorphometric analysis of glucocorticoid-induced osteoporosis. <i>Micron</i> , 2005, 36, 645-652.	1.1	60
11	Differential Effects of Dabigatran and Warfarin on Bone Volume and Structure in Rats with Normal Renal Function. <i>PLoS ONE</i> , 2015, 10, e0133847.	1.1	53
12	Bone histomorphometry in acromegaly patients with fragility vertebral fractures. <i>Pituitary</i> , 2018, 21, 56-64.	1.6	50
13	Role of microRNAs in progenitor cell commitment and osteogenic differentiation in health and disease (Review). <i>International Journal of Molecular Medicine</i> , 2018, 41, 2441-2449.	1.8	47
14	Physical Exercise Modulates miR-21-5p, miR-129-5p, miR-378-5p, and miR-188-5p Expression in Progenitor Cells Promoting Osteogenesis. <i>Cells</i> , 2019, 8, 742.	1.8	46
15	Hypoxia-reperfusion affects osteogenic lineage and promotes sickle cell bone disease. <i>Blood</i> , 2015, 126, 2320-2328.	0.6	45
16	Safety and tolerability of zoledronic acid and other bisphosphonates in osteoporosis management. <i>Drug, Healthcare and Patient Safety</i> , 2010, 2, 121.	1.0	42
17	The effect of bisphosphonates on gene expression: GAPDH as a housekeeping or a new target gene?. <i>BMC Cancer</i> , 2006, 6, 49.	1.1	40
18	Vitamin D: Daily vs. Monthly Use in Children and Elderly—What Is Going On?. <i>Nutrients</i> , 2017, 9, 652.	1.7	40

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19	The pyruvate kinase activator mitapivat reduces hemolysis and improves anemia in a β^2 -thalassemia mouse model. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	39
20	SARS-CoV-2 vaccination elicits unconventional IgM specific responses in naïve and previously COVID-19-infected individuals. <i>EBioMedicine</i> , 2022, 77, 103888.	2.7	39
21	Role of Ox-PAPCs in the Differentiation of Mesenchymal Stem Cells (MSCs) and Runx2 and PPAR γ 2 Expression in MSCs-Like of Osteoporotic Patients. <i>PLoS ONE</i> , 2011, 6, e20363.	1.1	38
22	A novel splicing mutation in FKBP10 causing osteogenesis imperfecta with a possible mineralization defect. <i>Bone</i> , 2012, 50, 343-349.	1.4	36
23	Runx2 mRNA Expression in the Tissue, Serum, and Circulating Non-Hematopoietic Cells of Patients with Thyroid Cancer. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E1249-E1256.	1.8	35
24	Osteomalacia: The Missing Link in the Pathogenesis of Bisphosphonate-Related Osteonecrosis of the Jaws?. <i>Oncologist</i> , 2012, 17, 1114-1119.	1.9	34
25	STEAP mRNA detection in serum of patients with solid tumours. <i>Cancer Letters</i> , 2009, 273, 122-126.	3.2	31
26	Ascorbic acid induces either differentiation or apoptosis in MG-63 osteosarcoma lineage. <i>Anticancer Research</i> , 2014, 34, 1617-27.	0.5	30
27	Microarray Analysis on Human Neuroblastoma Cells Exposed to Aluminum, β 1 α 42-Amyloid or the β 1 α 42-Amyloid Aluminum Complex. <i>PLoS ONE</i> , 2011, 6, e15965.	1.1	28
28	Increased Gene Expression of RUNX2 and SOX9 in Mesenchymal Circulating Progenitors Is Associated with Autophagy during Physical Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	1.9	27
29	Runx2 expression: A mesenchymal stem marker for cancer. <i>Oncology Letters</i> , 2016, 12, 4167-4172.	0.8	24
30	Increased Glutamyl Cyclase Expression in Peripheral Blood of Alzheimer's Disease Patients. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 263-271.	1.2	23
31	Can half-marathon affect overall health? The yin-yang of sport. <i>Journal of Proteomics</i> , 2018, 170, 80-87.	1.2	23
32	Comparison between Acupuncture and Nutraceutical Treatment with Migratens $\text{\textcircled{R}}$ in Patients with Fibromyalgia Syndrome: A Prospective Randomized Clinical Trial. <i>Nutrients</i> , 2020, 12, 821.	1.7	23
33	CRISPR/Cas system: An emerging technology in stem cell research. <i>World Journal of Stem Cells</i> , 2019, 11, 937-956.	1.3	23
34	Differentiation, proliferation and apoptosis levels in human leiomyoma and leiomyosarcoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 1998, 124, 93-105.	1.2	22
35	The Impact of Progenitor Enrichment, Serum, and Cytokines on the Ex Vivo Expansion of Mobilized Peripheral Blood Stem Cells: A Controlled Trial. <i>Stem Cells</i> , 2003, 21, 33-40.	1.4	22
36	Clodronate as a Therapeutic Strategy against Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2696.	1.8	22

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37	Gene expression profiling in circulating endothelial cells from systemic sclerosis patients shows an altered control of apoptosis and angiogenesis that is modified by iloprost infusion. <i>Arthritis Research and Therapy</i> , 2010, 12, R131.	1.6	21
38	Runx2 overexpression compromises bone quality in acromegalic patients. <i>Endocrine-Related Cancer</i> , 2018, 25, 269-277.	1.6	21
39	New Insights into the Runt Domain of RUNX2 in Melanoma Cell Proliferation and Migration. <i>Cells</i> , 2018, 7, 220.	1.8	21
40	Î²-Amyloid-aluminum complex alters cytoskeletal stability and increases ROS production in cortical neurons. <i>Neurochemistry International</i> , 2013, 62, 566-574.	1.9	20
41	Control of the Autophagy Pathway in Osteoarthritis: Key Regulators, Therapeutic Targets and Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2700.	1.8	20
42	Enhanced Osteogenic Differentiation in Zoledronate-Treated Osteoporotic Patients. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1261.	1.8	19
43	Runx2 stimulates neoangiogenesis through the Runt domain in melanoma. <i>Scientific Reports</i> , 2019, 9, 8052.	1.6	19
44	Diketopyrrolopyrrole Bisphosphonate Conjugate: A New Fluorescent Probe for In Vitro Bone Imaging. <i>Chemistry - A European Journal</i> , 2019, 25, 3617-3626.	1.7	19
45	Vitamin D Daily versus Monthly Administration: Bone Turnover and Adipose Tissue Influences. <i>Nutrients</i> , 2018, 10, 1934.	1.7	18
46	Plasma IL8 Is a Biomarker for TAK1 Activation and Predicts Resistance to Nanoliposomal Irinotecan in Patients with Gemcitabine-Refractory Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2020, 26, 4661-4669.	3.2	18
47	Serology study after BTN162b2 vaccination in participants previously infected with SARS-CoV-2 in two different waves versus naïve. <i>Communications Medicine</i> , 2021, 1, .	1.9	18
48	Molecular Approaches To Target GPCRs in Cancer Therapy. <i>Pharmaceuticals</i> , 2011, 4, 567-589.	1.7	17
49	Runx-2 gene expression is associated with age-related changes of bone mineral density in the healthy young-adult population. <i>Journal of Bone and Mineral Metabolism</i> , 2012, 30, 706-714.	1.3	17
50	The curious case of GÎ±s gain-of-function in neoplasia. <i>BMC Cancer</i> , 2018, 18, 293.	1.1	17
51	Zebrafish: A Suitable Tool for the Study of Cell Signaling in Bone. <i>Cells</i> , 2020, 9, 1911.	1.8	17
52	Conditioned medium from MCF-7 cell line induces myofibroblast differentiation, decreased cell proliferation, and increased apoptosis in cultured normal fibroblasts but not in fibroblasts from malignant breast tissue. <i>The Histochemical Journal</i> , 2001, 33, 499-509.	0.6	16
53	Bone Biopsy for Histomorphometry in Chronic Kidney Disease (CKD): State-of-the-Art and New Perspectives. <i>Journal of Clinical Medicine</i> , 2021, 10, 4617.	1.0	13
54	Development of Algorithm for Clinical Management of Sickle Cell Bone Disease: Evidence for a Role of Vertebral Fractures in Patient Follow-up. <i>Journal of Clinical Medicine</i> , 2020, 9, 1601.	1.0	12

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55	Methylsulfonylmethane enhances MSC chondrogenic commitment and promotes pre-osteoblasts formation. <i>Stem Cell Research and Therapy</i> , 2021, 12, 326.	2.4	12
56	Ectopic expression of the osteogenic master gene <i>RUNX2</i> in melanoma Maria Teresa Valenti, Luca Dalle Carbonare, Monica Mottes. <i>World Journal of Stem Cells</i> , 2018, 10, 78-81.	1.3	12
57	Mesenchymal stem cells: A new diagnostic tool?. <i>World Journal of Stem Cells</i> , 2015, 7, 789.	1.3	12
58	Runx2 downregulation, migration and proliferation inhibition in melanoma cells treated with BEL β -trefoil. <i>Oncology Reports</i> , 2017, 37, 2209-2214.	1.2	11
59	Effects of Oral Anticoagulant Therapy on Gene Expression in Crosstalk between Osteogenic Progenitor Cells and Endothelial Cells. <i>Journal of Clinical Medicine</i> , 2019, 8, 329.	1.0	11
60	Effects of physical exercise on the prevention of stem cells senescence. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 33-40.	1.7	11
61	BEL β -Trefoil Reduces the Migration Ability of RUNX2 Expressing Melanoma Cells in Xenotransplanted Zebrafish. <i>Molecules</i> , 2020, 25, 1270.	1.7	11
62	Medication-Related Osteonecrosis of the Jaw (MRONJ): Are Antiresorptive Drugs the Main Culprits or Only Accomplices? The Triggering Role of Vitamin D Deficiency. <i>Nutrients</i> , 2021, 13, 561.	1.7	11
63	Different decay of antibody response and VOC sensitivity in naïve and previously infected subjects at 15 weeks following vaccination with BNT162b2. <i>Journal of Translational Medicine</i> , 2022, 20, 22.	1.8	11
64	Physical Activity Prevents Cartilage Degradation: A Metabolomics Study Pinpoints the Involvement of Vitamin B6. <i>Cells</i> , 2019, 8, 1374.	1.8	10
65	An integrated approach identifies new oncotargets in melanoma. <i>Oncotarget</i> , 2018, 9, 11489-11502.	0.8	10
66	Trabecular bone microarchitecture in mild primary hyperparathyroidism. <i>Journal of Endocrinological Investigation</i> , 2008, 31, 525-530.	1.8	9
67	Telomerase mRNA detection in serum of patients with prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2013, 31, 205-210.	0.8	9
68	A potential role for astaxanthin in the treatment of bone diseases (Review). <i>Molecular Medicine Reports</i> , 2020, 22, 1695-1701.	1.1	9
69	Bisphosphonates decrease telomerase activity and hTERT expression in MCF-7 breast cancer cells. <i>Molecular and Cellular Endocrinology</i> , 2005, 240, 23-31.	1.6	8
70	Risedronate prevents the loss of microarchitecture in glucocorticoid-induced osteoporosis in rats. <i>Journal of Endocrinological Investigation</i> , 2007, 30, 739-746.	1.8	8
71	The effect of risedronate on osteogenic lineage is mediated by cyclooxygenase-2 gene upregulation. <i>Arthritis Research and Therapy</i> , 2010, 12, R163.	1.6	8
72	GNAS Mutations: Drivers or Co-Pilots? Yet, Promising Diagnostic Biomarkers. <i>Trends in Cancer</i> , 2016, 2, 282-285.	3.8	8

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73	A Potential Role of RUNX2- RUNT Domain in Modulating the Expression of Genes Involved in Bone Metastases: An In Vitro Study with Melanoma Cells. <i>Cells</i> , 2020, 9, 751.	1.8	8
74	Role of autophagy in bone and muscle biology. <i>World Journal of Stem Cells</i> , 2016, 8, 396.	1.3	8
75	A new nested primer pair improves the specificity of CK-19 mRNA detection by RT-PCR in occult breast cancer cells. <i>International Journal of Biological Markers</i> , 2005, 20, 28-33.	0.7	8
76	Ectopic expression of the heterotrimeric G15 protein in pancreatic carcinoma and its potential in cancer signal transduction. <i>Cellular Signalling</i> , 2013, 25, 651-659.	1.7	7
77	Effects of C-Peptide Replacement Therapy on Bone Microarchitecture Parameters in Streptozotocin-Diabetic Rats. <i>Calcified Tissue International</i> , 2020, 107, 266-280.	1.5	7
78	Zoledronic acid decreases mRNA six-transmembrane epithelial antigen of prostate protein expression in prostate cancer cells. <i>Journal of Endocrinological Investigation</i> , 2010, 33, 244-249.	1.8	6
79	Relationship Between Vertebral Fractures, Bone Mineral Density, and Osteometabolic Profile in HIV and Hepatitis B and C-Infected Patients Treated With ART. <i>Frontiers in Endocrinology</i> , 2019, 10, 302.	1.5	6
80	Molecular and Lifestyle Factors Modulating Obesity Disease. <i>Biomedicines</i> , 2020, 8, 46.	1.4	6
81	Modulation of miR-204 Expression during Chondrogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2130.	1.8	6
82	Physical Activity Modulates miRNAs Levels and Enhances MYOD Expression in Myoblasts. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 1865-1874.	1.7	6
83	The effects on hTERT gene expression is an additional mechanism of amino-bisphosphonates in prostatic cancer cells. <i>European Journal of Pharmacology</i> , 2008, 580, 36-42.	1.7	5
84	Ci15 in early onset of pancreatic ductal adenocarcinoma. <i>Scientific Reports</i> , 2021, 11, 14922.	1.6	5
85	Two Novel C-Terminus RUNX2 Mutations in Two Cleidocranial Dysplasia (CCD) Patients Impairing p53 Expression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10336.	1.8	5
86	Human fibroblasts from normal and malignant breast tissue grown in vitro show a distinct senescence profile and telomerase activity. <i>The Histochemical Journal</i> , 2002, 34, 403-410.	0.6	3
87	Amino-bisphosphonates decrease hTERT gene expression in breast cancer in vitro. <i>Aging Clinical and Experimental Research</i> , 2007, 19, 91-96.	1.4	3
88	Dietary ̑-3 Fatty Acid Supplementation Improves Murine Sickle Cell Bone Disease and Reprograms Adipogenesis. <i>Antioxidants</i> , 2021, 10, 799.	2.2	3
89	Fisetin: An Integrated Approach to Identify a Strategy Promoting Osteogenesis. <i>Frontiers in Pharmacology</i> , 2022, 13, .	1.6	3
90	Fast method for skeletal tissue gene expression analysis. <i>Biomedical Reports</i> , 2016, 5, 248-250.	0.9	1

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91	Editorial: Bone Metastases. <i>Frontiers in Oncology</i> , 2021, 11, 741515.	1.3	1
92	Zoledronic Acid Reverses Acute Bone Impairment in a Mouse Model for Sickle Cell Disease. <i>Blood</i> , 2014, 124, 222-222.	0.6	1
93	Circulating Progenitor Stem Cells Are Important Biomarkers of Chondrogenesis and Osteogenesis: Employment in Diagnosis and Treatment Follow Up. <i>Journal of Stem Cell Research & Therapy</i> , 2018, 08, .	0.3	0
94	Dietary Omega-3 Fatty Acid Supplementation Improves Sickle Cell Bone Disease By Affecting Osteoblastogenesis and Adipogenesis. <i>Blood</i> , 2018, 132, 2356-2356.	0.6	0
95	The Novel Role That Nrf2 Plays in Erythropoiesis during Aging. <i>Blood</i> , 2019, 134, 3502-3502.	0.6	0
96	SARS-CoV-2 Vaccination Elicits Unconventional IgM Specific Responses in Na ⁺ ve and Previously COVID19-Infected Individuals. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
97	A Panel of Eight miRNAs Is Deregulated in HTLV-2 Infected PBMCs and BJABGu Cell Line. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7583.	1.8	0