

Giacomina Brunetti

List of Publications by Year in descending order

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123
papers

3,891
citations

101384

36
h-index

138251

58
g-index

127
all docs

127
docs citations

127
times ranked

4789
citing authors

#	ARTICLE	IF	CITATIONS
1	The myokine irisin increases cortical bone mass. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12157-12162.	3.3	372
2	Irisin prevents and restores bone loss and muscle atrophy in hind-limb suspended mice. Scientific Reports, 2017, 7, 2811.	1.6	221
3	Irisin Enhances Osteoblast Differentiation <i>In Vitro</i> . International Journal of Endocrinology, 2014, 2014, 1-8.	0.6	161
4	The Interplay between the Bone and the Immune System. Clinical and Developmental Immunology, 2013, 2013, 1-16.	3.3	153
5	T cells support osteoclastogenesis in an in vitro model derived from human multiple myeloma bone disease: the role of the OPG/TRAIL interaction. Blood, 2004, 104, 3722-3730.	0.6	138
6	Myeloma cells suppress osteoblasts through sclerostin secretion. Blood Cancer Journal, 2011, 1, e27-e27.	2.8	113
7	Mechanisms of spontaneous osteoclastogenesis in cancer with bone involvement. FASEB Journal, 2005, 19, 1-24.	0.2	88
8	Lymphocytes and synovial fluid fibroblasts support osteoclastogenesis through RANKL, TNF α , and IL-7 in an in vitro model derived from human psoriatic arthritis. Journal of Pathology, 2007, 212, 47-55.	2.1	86
9	Metabolic Bone Disease of Prematurity: Diagnosis and Management. Frontiers in Pediatrics, 2019, 7, 143.	0.9	86
10	Dental pulp stem cells: osteogenic differentiation and gene expression. Annals of the New York Academy of Sciences, 2011, 1237, 47-52.	1.8	82
11	Irisin Prevents Disease-Induced Osteocyte Apoptosis. Journal of Bone and Mineral Research, 2020, 35, 766-775.	3.1	82
12	T Cells Support Osteoclastogenesis in an In Vitro Model Derived From Human Periodontitis Patients. Journal of Periodontology, 2005, 76, 1675-1680.	1.7	78
13	Sclerostin is overexpressed by plasma cells from multiple myeloma patients. Annals of the New York Academy of Sciences, 2011, 1237, 19-23.	1.8	77
14	Aortic valvular interstitial cells apoptosis and calcification are mediated by TNF-related apoptosis-inducing ligand. International Journal of Cardiology, 2013, 169, 296-304.	0.8	77
15	Osteogenic differentiation of mesenchymal stem cells from dental bud: Role of integrins and cadherins. Stem Cell Research, 2015, 15, 618-628.	0.3	70
16	High Sclerostin and Dickkopf-1 (DKK-1) Serum Levels in Children and Adolescents With Type 1 Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1174-1181.	1.8	67
17	Osteogenic Differentiation of Dental Follicle Stem Cells. International Journal of Medical Sciences, 2012, 9, 480-487.	1.1	65
18	IL-7 Up-Regulates TNF α -Dependent Osteoclastogenesis in Patients Affected by Solid Tumor. PLoS ONE, 2006, 1, e124.	1.1	62

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19	Bone-Immune Cell Crosstalk: Bone Diseases. <i>Journal of Immunology Research</i> , 2015, 2015, 1-11.	0.9	60
20	High irisin levels are associated with better glycemic control and bone health in children with Type 1 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2018, 141, 10-17.	1.1	60
21	Nonalcoholic Fatty Liver Disease in Prepubertal Children Born Small for Gestational Age: Influence of Rapid Weight Catch-Up Growth. <i>Hormone Research in Paediatrics</i> , 2013, 79, 103-109.	0.8	56
22	Osteoporosis and obesity: Role of Wnt pathway in human and murine models. <i>World Journal of Orthopedics</i> , 2014, 5, 242.	0.8	56
23	The death receptor DR5 is involved in TRAIL-mediated human osteoclast apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1623-1632.	2.2	53
24	Impaired bone remodeling in children with osteogenesis imperfecta treated and untreated with bisphosphonates: the role of DKK1, RANKL, and TNF- α . <i>Osteoporosis International</i> , 2016, 27, 2355-2365.	1.3	52
25	LIGHT/TNFSF14 increases osteoclastogenesis and decreases osteoblastogenesis in multiple myeloma-bone disease. <i>Oncotarget</i> , 2014, 5, 12950-12967.	0.8	52
26	Vitamin D Effects on Osteoblastic Differentiation of Mesenchymal Stem Cells from Dental Tissues. <i>Stem Cells International</i> , 2016, 2016, 1-9.	1.2	47
27	Monoclonal antibodies for treating osteoporosis. <i>Expert Opinion on Biological Therapy</i> , 2018, 18, 149-157.	1.4	45
28	Irisin serum levels are positively correlated with bone mineral status in a population of healthy children. <i>Pediatric Research</i> , 2019, 85, 484-488.	1.1	45
29	Novel insights in health-promoting properties of sweet cherries. <i>Journal of Functional Foods</i> , 2020, 69, 103945.	1.6	45
30	Osteoclastogenesis in Children with 21-Hydroxylase Deficiency on Long-Term Glucocorticoid Therapy: The Role of Receptor Activator of Nuclear Factor- κ B Ligand/Osteoprotegerin Imbalance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 2269-2276.	1.8	44
31	Mechanisms Involved in Childhood Obesity-Related Bone Fragility. <i>Frontiers in Endocrinology</i> , 2019, 10, 269.	1.5	43
32	High dickkopf-1 levels in sera and leukocytes from children with 21-hydroxylase deficiency on chronic glucocorticoid treatment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 304, E546-E554.	1.8	41
33	Inflammation induces osteoclast differentiation from peripheral mononuclear cells in chronic kidney disease patients: crosstalk between the immune and bone systems. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 65-75.	0.4	41
34	A Novel Interplay Between Irisin and PTH: From Basic Studies to Clinical Evidence in Hyperparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3088-3096.	1.8	41
35	Irisin and Bone: From Preclinical Studies to the Evaluation of Its Circulating Levels in Different Populations of Human Subjects. <i>Cells</i> , 2019, 8, 451.	1.8	41
36	L-Carnitine and Isovaleryl L-Carnitine Fumarate Positively Affect Human Osteoblast Proliferation and Differentiation In Vitro. <i>Calcified Tissue International</i> , 2005, 76, 458-465.	1.5	39

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37	Glucocorticoid-Induced Osteoporosis in Children with 21-Hydroxylase Deficiency. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	39
38	Soluble decoy receptor 3 modulates the survival and formation of osteoclasts from multiple myeloma bone disease patients. <i>Leukemia</i> , 2009, 23, 2139-2146.	3.3	38
39	Irisin prevents microgravity-induced impairment of osteoblast differentiation in vitro during the space flight CRS-14 mission. <i>FASEB Journal</i> , 2020, 34, 10096-10106.	0.2	38
40	Bone Fragility in Turner Syndrome: Mechanisms and Prevention Strategies. <i>Frontiers in Endocrinology</i> , 2016, 7, 34.	1.5	35
41	The Role of TNF and TNF Superfamily Members in the Pathogenesis of Calcific Aortic Valvular Disease. <i>Scientific World Journal</i> , The, 2013, 2013, 1-10.	0.8	31
42	Mechanisms of enhanced osteoclastogenesis in girls and young women with Turner's Syndrome. <i>Bone</i> , 2015, 81, 228-236.	1.4	31
43	LIGHT/TNFSF14 Promotes Osteolytic Bone Metastases in Non-small Cell Lung Cancer Patients. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 671-680.	3.1	31
44	An update on the role of RANKL and RANK/osteoprotegerin and WNT- β -catenin signaling pathways in pediatric diseases. <i>World Journal of Pediatrics</i> , 2019, 15, 4-11.	0.8	29
45	Vitamin D Promotes MSC Osteogenic Differentiation Stimulating Cell Adhesion and β -Casein Expression. <i>Stem Cells International</i> , 2018, 2018, 1-9.	1.2	28
46	The Crosstalk between the Bone and the Immune System: Osteoimmunology. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-2.	3.3	25
47	Vascular Function and Myocardial Performance Indices in Children Born Small for Gestational Age. <i>Circulation Journal</i> , 2016, 80, 958-963.	0.7	25
48	Metabolic Outcomes, Bone Health, and Risk of Polycystic Ovary Syndrome in Girls with Idiopathic Central Precocious Puberty Treated with Gonadotropin-Releasing Hormone Analogues. <i>Hormone Research in Paediatrics</i> , 2017, 87, 162-169.	0.8	25
49	High serum sclerostin levels in children with haemophilia A. <i>British Journal of Haematology</i> , 2016, 172, 293-295.	1.2	24
50	Effects of Sweet Cherry Polyphenols on Enhanced Osteoclastogenesis Associated With Childhood Obesity. <i>Frontiers in Immunology</i> , 2019, 10, 1001.	2.2	24
51	Genotype-phenotype correlation in Juvenile Paget disease: role of molecular alterations of the TNFRSF11B gene. <i>Endocrine</i> , 2012, 42, 266-271.	1.1	23
52	Skeleton and Glucose Metabolism: A Bone-Pancreas Loop. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-7.	0.6	23
53	Bone health in children and adolescents with steroid-sensitive nephrotic syndrome assessed by DXA and QUS. <i>Pediatric Nephrology</i> , 2014, 29, 2147-2155.	0.9	22
54	Osteoblasts Display Different Responsiveness to TRAIL-Induced Apoptosis During Their Differentiation Process. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 1127-1136.	0.9	21

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55	IL-6 Modulates Osteoclastogenesis in Patients Affected by Solid Tumors. <i>Annals of the New York Academy of Sciences</i> , 2007, 1117, 377-384.	1.8	20
56	Sclerostin stimulates angiogenesis in human endothelial cells. <i>Bone</i> , 2017, 101, 26-36.	1.4	20
57	Mechanisms of Enhanced Osteoclastogenesis in Alkaptonuria. <i>American Journal of Pathology</i> , 2018, 188, 1059-1068.	1.9	20
58	LIGHT/TNFSF14 as a New Biomarker of Bone Disease in Multiple Myeloma Patients Experiencing Therapeutic Regimens. <i>Frontiers in Immunology</i> , 2018, 9, 2459.	2.2	20
59	L-Carnitine Fumarate and Isovaleryl-L-Carnitine Fumarate Accelerate the Recovery of Bone Volume/Total Volume Ratio after Experimentally Induced Osteoporosis in Pregnant Mice. <i>Calcified Tissue International</i> , 2008, 82, 221-228.	1.5	19
60	NURR1 Downregulation Favors Osteoblastic Differentiation of MSCs. <i>Stem Cells International</i> , 2017, 2017, 1-10.	1.2	19
61	Analysis of Circulating Mediators of Bone Remodeling in Prader-Willi Syndrome. <i>Calcified Tissue International</i> , 2018, 102, 635-643.	1.5	19
62	Growth plate gene involvement and isolated short stature. <i>Endocrine</i> , 2021, 71, 28-34.	1.1	18
63	Deletion of the Transcription Factor PGC-1 β in Mice Negatively Regulates Bone Mass. <i>Calcified Tissue International</i> , 2018, 103, 638-652.	1.5	17
64	Integrated in vitro approaches to assess the bioaccessibility and bioavailability of silicon-biofortified leafy vegetables and preliminary effects on bone. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 217-224.	0.7	16
65	Impairment of Bone Remodeling in LIGHT/TNFSF14-Deficient Mice. <i>Journal of Bone and Mineral Research</i> , 2018, 33, 704-719.	3.1	16
66	LIGHT/TNFSF14 regulates estrogen deficiency-induced bone loss. <i>Journal of Pathology</i> , 2020, 250, 440-451.	2.1	15
67	The Role of OPG/TRAIL Complex in Multiple Myeloma: The OPG/TRAIL Complex in an In Vitro Osteoclastogenesis Model Derived From Human Multiple Myeloma-Bone Disease. <i>Annals of the New York Academy of Sciences</i> , 2006, 1068, 334-340.	1.8	14
68	The formation of osteoclasts in multiple myeloma bone disease patients involves the secretion of soluble decoy receptor 3. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 298-302.	1.8	14
69	TRAIL effect on osteoclast formation in physiological and pathological conditions. <i>Frontiers in Bioscience - Elite</i> , 2011, E3, 1154-1161.	0.9	14
70	Metabolic syndrome in childhood leukemia survivors: a meta-analysis. <i>Endocrine</i> , 2015, 49, 353-360.	1.1	14
71	High expression of TRAIL by osteoblastic differentiated dental pulp stem cells affects myeloma cell viability. <i>Oncology Reports</i> , 2018, 39, 2031-2039.	1.2	13
72	TRAIL Is Involved in Human Osteoclast Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2007, 1116, 316-322.	1.8	12

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73	Synovial Fluid Fibroblasts and Lymphocytes Support the Osteoclastogenesis in Human Psoriatic Arthritis. <i>Annals of the New York Academy of Sciences</i> , 2007, 1117, 159-164.	1.8	10
74	Activation of the receptor activator of the nuclear factor- κ B ligand pathway during coronary bypass surgery: comparison between on- and off-pump coronary artery bypass surgery procedures. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, e141-e147.	0.6	10
75	Evaluation of impact of steroid replacement treatment on bone health in children with 21-hydroxylase deficiency. <i>Endocrine</i> , 2015, 48, 995-1000.	1.1	10
76	Bioengineering Approaches to Improve In Vitro Performance of Prepubertal Lamb Oocytes. <i>Cells</i> , 2021, 10, 1458.	1.8	9
77	Mechanisms of altered bone remodeling in children with type 1 diabetes. <i>World Journal of Diabetes</i> , 2021, 12, 997-1009.	1.3	8
78	Bone Remodeling. , 2014, , 27-37.		7
79	Human Myeloma Cell Lines Induce Osteoblast Downregulation of CD99 Which Is Involved in Osteoblast Formation and Activity. <i>Journal of Immunology Research</i> , 2015, 2015, 1-13.	0.9	6
80	The p53 family member p73 modulates the proliferative role of IGFBP3 in short children born small for gestational age. <i>Molecular Biology of the Cell</i> , 2015, 26, 2733-2741.	0.9	6
81	Editorial: Bone: Endocrine Target and Organ. <i>Frontiers in Endocrinology</i> , 2017, 8, 354.	1.5	6
82	Shedding α -LIGHT on the Link between Bone and Fat in Obese Children and Adolescents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4739.	1.8	6
83	Osteotropic Cancers: From Primary Tumor to Bone. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2013, 11, 94-102.	1.3	5
84	Osteoclastogenic Potential of Peripheral Blood Mononuclear Cells in Cleidocranial Dysplasia. <i>International Journal of Medical Sciences</i> , 2014, 11, 356-364.	1.1	5
85	Monitoring and maintaining bone health in patients with Turner syndrome. <i>Expert Review of Endocrinology and Metabolism</i> , 2020, 15, 431-438.	1.2	5
86	Immunomodulation of Multiple Myeloma Bone Disease. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2009, 7, 293-300.	1.3	4
87	Biological Characteristics of Dental Stem Cells for Tissue Engineering. <i>Key Engineering Materials</i> , 2013, 541, 51-59.	0.4	4
88	Treatment of osteoporosis in children with glucocorticoid-treated diseases. <i>Expert Review of Endocrinology and Metabolism</i> , 2014, 9, 525-534.	1.2	4
89	Pathogenesis of Bone Diseases: The Role of Immune System. <i>Journal of Immunology Research</i> , 2015, 2015, 1-2.	0.9	4
90	Targeting Adult Mesenchymal Stem Cells Plasticity for Tissue Regeneration. <i>Stem Cells International</i> , 2017, 2017, 1-2.	1.2	4

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91	Editorial: Updates on Osteoimmunology: What's New on the Crosstalk Between Bone and Immune Cells. <i>Frontiers in Endocrinology</i> , 2020, 11, 74.	1.5	4
92	Myeloma Cells Induce Osteoblast Suppression through Sclerostin Secretion. <i>Blood</i> , 2010, 116, 2961-2961.	0.6	4
93	Myokine "Irisin" and Its Effects Linking Bone and Muscle Function. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2018, 16, 16-21.	1.3	3
94	Different Variation of Intra-familial Body Mass Index subjected to Covid-19 Lockdown. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2022, 31, 198-205.	0.5	3
95	Anatomy and Physiology of Skeletal Tissue: The Bone Cells. , 2018, , 1-23.		2
96	Ductal size indexed to weight and body surface area correlates with morbidities in preterm infants at 32 weeks. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 34, 1-7.	0.7	2
97	Experimental Model for Studying the Involvement of Regulatory Cytotoxic T Cells in Bone Resorption. <i>Methods in Molecular Biology</i> , 2014, 1186, 269-281.	0.4	2
98	TRAIL effect on osteoclast formation in physiological and pathological conditions. <i>Frontiers in Bioscience - Elite</i> , 2009, E3, 1154.	0.9	2
99	Best Determinants of Nonalcoholic Fatty Liver Disease and Intra-Abdominal Fat in Prepubertal Children Born Small for Gestational Age: Ultrasound Technique versus Anthropometric Data. <i>Hormone Research in Paediatrics</i> , 2013, 80, 135-136.	0.8	1
100	The effects of bone pÃ©tÃ© on human osteoblasts cell cultures. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 1399-1404.	0.8	1
101	Mechanisms of Altered Bone Remodeling in Multiple Myeloma. <i>Clinical Reviews in Bone and Mineral Metabolism</i> , 2017, 15, 151-161.	1.3	1
102	Vascular and Myocardial Function in Young People with Type 1 Diabetes Mellitus: Insulin Pump Therapy Versus Multiple Daily Injections Insulin Regimen. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2021, , .	0.6	1
103	Immunoregulation of Osteoclast Differentiation in Multiple Myeloma Bone Disease. , 2010, , 67-75.		0
104	Study of Biocompatibility Between Bone PÃ©tÃ© with Fibrin Glue and Human Osteoblast in Vitro. <i>Journal of Laryngology and Otology</i> , 2016, 130, S220-S221.	0.4	0
105	Unusual ultrasonographic finding of ovarian hyperstimulation syndrome in a preterm newborn with severe intra-uterine growth retardation. <i>Journal of Paediatrics and Child Health</i> , 2019, 55, 1139-1141.	0.4	0
106	Editorial: Special Issue on "Molecular Mechanisms Regulating Osteoclastogenesis". <i>International Journal of Molecular Sciences</i> , 2020, 21, 7643.	1.8	0
107	In Vivo and for the Study of Bone Remodeling and the Role of Immune Cells. <i>Methods in Molecular Biology</i> , 2021, 2325, 97-106.	0.4	0
108	High dickkopf-1 levels in sera and leukocytes from children with 21-hydroxylase deficiency on chronic glucocorticoid treatment. <i>Bone Abstracts</i> , 0, , .	0.0	0

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109	High FSH serum levels may support the altered bone remodeling in Turner syndrome patients. Bone Abstracts, 0, , .	0.0	0
110	In Vitro Osteoclastogenesis and T-Cell RANKL Expression In Multiple Myeloma-Bone Disease At Diagnosis and In The Setting Of Frontline Treatment. Blood, 2013, 122, 5353-5353.	0.6	0
111	High spontaneous osteoclastogenesis in pediatric osteogenesis imperfecta patients receiving or not intravenous neridronate. Endocrine Abstracts, 0, , .	0.0	0
112	Higher serum levels of the Wnt-signaling antagonist DKK1 in obese respect to Prader-Willi syndrome. Endocrine Abstracts, 0, , .	0.0	0
113	New insights in the bone-muscle axis: the novel myokine irisin is involved in skeletal metabolism. Bone Abstracts, 0, , .	0.0	0
114	Involvement of LIGHT in multiple myeloma bone disease. Bone Abstracts, 0, , .	0.0	0
115	The Role of LIGHT in Multiple Myeloma-Bone Disease. Blood, 2014, 124, 3362-3362.	0.6	0
116	LIGHT promotes osteolytic bone metastases in NSCLC patients. Bone Abstracts, 0, , .	0.0	0
117	The role of light (TNFSF14) on bone remodeling. Bone Abstracts, 0, , .	0.0	0
118	The myokine Irisin improves bone quality and strength. Bone Abstracts, 0, , .	0.0	0
119	MON-533 Irisin in Post-Menopausal Women with Primary Hyperparathyroidism: An Interplay between Irisin and Pth. Journal of the Endocrine Society, 2019, 3, .	0.1	0
120	Androgens, Androgen Receptor, and Bone. , 2020, , 588-594.		0
121	Anatomy and Histology of Male Skeletal Tissue: Gender Differences. Trends in Andrology and Sexual Medicine, 2020, , 9-24.	0.1	0
122	Antibody Treatment and Osteoporosis: Clinical Perspective. Springer Series in Biomaterials Science and Engineering, 2022, , 111-126.	0.7	0
123	The use of quantitative ultrasound in a tertiary-level children hospital: role in the follow-up of chronically ill patients. Journal of Ultrasound, 2022, , 1.	0.7	0