Umberto Tarantino

List of Publications by Year
in descending order

71 papers	1,939 citations	304743 22 h-index	276875 41 g-index
72 all docs	72 docs citations	72 times ranked	2798 citing authors

#	Article	IF	Citations
1	Irisin prevents and restores bone loss and muscle atrophy in hind-limb suspended mice. Scientific Reports, 2017, 7, 2811.	3.3	221
2	Guidelines for the management of osteoporosis and fragility fractures. Internal and Emergency Medicine, 2019, 14, 85-102.	2.0	198
3	Clinical guidelines for the prevention and treatment of osteoporosis: summary statements and recommendations from the Italian Society for Orthopaedics and Traumatology. Journal of Orthopaedics and Traumatology, 2017, 18, 3-36.	2.3	133
4	The incidence of hip, forearm, humeral, ankle, and vertebral fragility fractures in Italy: results from a 3-year multicenter study. Arthritis Research and Therapy, 2010, 12, R226.	3.5	76
5	Hormones and tendinopathies: the current evidence. British Medical Bulletin, 2016, 117, 39-58.	6.9	73
6	Lumbar spine MRI in upright position for diagnosing acute and chronic low back pain: statistical analysis of morphological changes. Journal of Orthopaedics and Traumatology, 2013, 14, 15-22.	2.3	69
7	Osteoporosis and sarcopenia: the connections. Aging Clinical and Experimental Research, 2013, 25, 93-95.	2.9	68
8	Frailty and nutritional status in older people: the Mini Nutritional Assessment as a screening tool for the identification of frail subjects. Clinical Interventions in Aging, 2018, Volume 13, 1237-1244.	2.9	58
9	Heavy metals accumulation affects bone microarchitecture in osteoporotic patients. Environmental Toxicology, 2017, 32, 1333-1342.	4.0	57
10	Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer. Clinical Breast Cancer, 2018, 18, e659-e669.	2.4	56
11	Bone Marrow Lipid Profiles from Peripheral Skeleton as Potential Biomarkers for Osteoporosis: A 1H-MR Spectroscopy Study. Academic Radiology, 2016, 23, 273-283.	2.5	49
12	Bone mineral density evaluation in osteoporosis: why yes and why not?. Aging Clinical and Experimental Research, 2013, 25, 47-49.	2.9	48
13	Effects of microgravity on osteoblast mitochondria: a proteomic and metabolomics profile. Scientific Reports, 2017, 7, 15376.	3.3	48
14	Radiological, Histological and Chemical Analysis of Breast Microcalcifications: Diagnostic Value and Biological Significance. Journal of Mammary Gland Biology and Neoplasia, 2018, 23, 89-99.	2.7	46
15	Irisin Correlates Positively With BMD in a Cohort of Older Adult Patients and Downregulates the Senescent Marker p21 in Osteoblasts. Journal of Bone and Mineral Research, 2020, 36, 305-314.	2.8	42
16	Impairment of PTX3 expression in osteoblasts: a key element for osteoporosis. Cell Death and Disease, 2017, 8, e3125-e3125.	6.3	41
17	Role of Physical Activity in Boneâ€"Muscle Crosstalk: Biological Aspects and Clinical Implications. Journal of Functional Morphology and Kinesiology, 2021, 6, 55.	2.4	35
18	Vitamin D Receptor in Muscle Atrophy of Elderly Patients: A Key Element of Osteoporosis-Sarcopenia Connection. , 2018, 9, 952.		34

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19	Fracture healing: From basic science to role of nutrition. Frontiers in Bioscience - Landmark, 2014, 19, 1162.	3.0	31
20	Vitamin D status of male OSAS patients improved after long-term CPAP treatment mainly in obese subjects. Sleep Medicine, 2017, 29, 81-85.	1.6	30
21	Chronic Pain in Musculoskeletal Diseases: Do You Know Your Enemy?. Journal of Clinical Medicine, 2022, 11, 2609.	2.4	28
22	Incidence of fragility fractures. Aging Clinical and Experimental Research, 2007, 19, 7-11.	2.9	26
23	Proteasome Activity Is Affected by Fluctuations in Insulin-Degrading Enzyme Distribution. PLoS ONE, 2015, 10, e0132455.	2.5	25
24	Sarcopenia: a histological and immunohistochemical study on age-related muscle impairment. Aging Clinical and Experimental Research, 2015, 27, 51-60.	2.9	24
25	Osseointegration of Fitmore Stem in Total Hip Arthroplasty. Journal of Clinical Densitometry, 2014, 17, 307-313.	1.2	22
26	Satellite Cells CD44 Positive Drive Muscle Regeneration in Osteoarthritis Patients. Stem Cells International, 2015, 2015, 1-11.	2.5	21
27	Simulated microgravity induces a cellular regression of the mature phenotype in human primary osteoblasts. Cell Death Discovery, 2018, 4, 59.	4.7	19
28	Deletion of the Transcription Factor PGC-1Î± in Mice Negatively Regulates Bone Mass. Calcified Tissue International, 2018, 103, 638-652.	3.1	17
29	Effects of Simulated Microgravity on Muscle Stem Cells Activity. Cellular Physiology and Biochemistry, 2020, 54, 736-747.	1.6	17
30	Comparison of tissue transglutaminase 2 and bone biological markers osteocalcin, osteopontin and sclerostin expression in human osteoporosis and osteoarthritis. Amino Acids, 2017, 49, 683-693.	2.7	16
31	DNA Methylation Signatures of Bone Metabolism in Osteoporosis and Osteoarthritis Aging-Related Diseases: An Updated Review. International Journal of Molecular Sciences, 2021, 22, 4244.	4.1	16
32	Clusterin exerts a cytoprotective and antioxidant effect in human osteoarthritic cartilage. Aging, 2020, 12, 10129-10146.	3.1	16
33	Identification of Aberrantly-Expressed Long Non-Coding RNAs in Osteoblastic Cells from Osteoporotic Patients. Biomedicines, 2020, 8, 65.	3.2	15
34	LIGHT/TNFSF14 regulates estrogen deficiencyâ€induced bone loss. Journal of Pathology, 2020, 250, 440-451.	4.5	15
35	Skeletal System Biology and Smoke Damage: From Basic Science to Medical Clinic. International Journal of Molecular Sciences, 2021, 22, 6629.	4.1	15
36	Physical Exercise and Health: A Focus on Its Protective Role in Neurodegenerative Diseases. Journal of Functional Morphology and Kinesiology, 2022, 7, 38.	2.4	15

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37	State of Fragility Fractures Management during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2020, 17, 7732.	2.6	13
38	PTX3: a new mediator of bone metabolism and osteoporosis. Muscles, Ligaments and Tendons Journal, 2017, 7, 200.	0.3	12
39	Circulating Long Non-Coding RNA GAS5 Is Overexpressed in Serum from Osteoporotic Patients and Is Associated with Increased Risk of Bone Fragility. International Journal of Molecular Sciences, 2020, 21, 6930.	4.1	12
40	T-Score and Handgrip Strength Association for the Diagnosis of Osteosarcopenia: A Systematic Review and Meta-Analysis. Journal of Clinical Medicine, 2021, 10, 2597.	2.4	12
41	Role of Myostatin in Muscle Degeneration by Random Positioning Machine Exposure: An in vitro Study for the Treatment of Sarcopenia. Frontiers in Physiology, 2022, 13, 782000.	2.8	12
42	A new antiresorptive approach to the treatment of fragility fractures: long-term efficacy and safety of denosumab. Aging Clinical and Experimental Research, 2013, 25, 65-69.	2.9	11
43	The Role of PTX3 in Mineralization Processes and Aging-Related Bone Diseases. Frontiers in Immunology, 2020, 11, 622772.	4.8	10
44	Circulating MicroRNAs as Biomarkers of Osteoporosis and Fragility Fractures. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 2267-2285.	3.6	10
45	A comparative prospective study of dynamic variable angle hip screw and Gamma nail in intertrochanteric hip fractures. Disability and Rehabilitation, 2005, 27, 1157-1165.	1.8	9
46	Obesity, vitamin D status and physical activity: 1,25(OH)2D as a potential marker of vitamin D deficiency in obese subjects. Panminerva Medica, 2020, 62, 83-92.	0.8	9
47	Bone fragility in patients with diabetes mellitus: A consensus statement from the working group of the Italian Diabetes Society (SID), Italian Society of Endocrinology (SIE), Italian Society of Gerontology and Geriatrics (SIGG), Italian Society of Orthopaedics and Traumatology (SIOT). Nutrition, Metabolism and Cardiovascular Diseases, 2021, 31, 1375-1390.	2.6	8
48	Atypical periprosthetic femoral fractures of the hip: A PRISMA compliant systematic review. Injury, 2021, 52, 2407-2414.	1.7	8
49	The miR-133a, TPM4 and TAp63Î³ Role in Myocyte Differentiation Microfilament Remodelling and Colon Cancer Progression. International Journal of Molecular Sciences, 2021, 22, 9818.	4.1	8
50	Reviewing Bone Marrow Edema in Athletes: A Difficult Diagnostic and Clinical Approach. Medicina (Lithuania), 2021, 57, 1143.	2.0	8
51	Bone Marrow Edema. Journal of Bone and Joint Surgery - Series A, 2022, 104, 189-200.	3.0	8
52	Surgical approach to fragility fractures: problems and perspectives. Aging Clinical and Experimental Research, 2007, 19, 12-21.	2.9	8
53	Anatomical variation: T1 spina bifida occulta. Radiological findings. Radiology Case Reports, 2017, 12, 207-209.	0.6	7
54	Fractures around Trochanteric Nails: The â€œVergilius Classification Systemâ€• Advances in Orthopedics, 2021, 2021, 1-9.	1.0	7

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55	Why Use Adipose-Derived Mesenchymal Stem Cells in Tendinopathic Patients: A Systematic Review. Pharmaceutics, 2022, 14, 1151.	4.5	7
56	Effects of Extracellular Osteoanabolic Agents on the Endogenous Response of Osteoblastic Cells. Cells, 2021, 10, 2383.	4.1	6
57	Exposure to Random Positioning Machine Alters the Mineralization Process and PTX3 Expression in the SAOS-2 Cell Line. Life, 2022, 12, 610.	2.4	6
58	PTX3 Effects on Osteogenic Differentiation in Osteoporosis: An In Vitro Study. International Journal of Molecular Sciences, 2021, 22, 5944.	4.1	5
59	Atypical periprosthetic femoral fractures of the hip: characterisation of three cases. HIP International, 2020, 30, 77-85.	1.7	4
60	Genetic variability in noncoding RNAs: involvement of miRNAs and long noncoding RNAs in osteoporosis pathogenesis. Epigenomics, 2020, 12, 2035-2049.	2.1	4
61	Osteoprotegerin as a biomarker of geriatric frailty syndrome. Aging, 2019, 11, 4900-4909.	3.1	4
62	In Reply to the Letter to the Editor: Involvement of Irisin in Age-Related Osteoporosis and Its Inhibitory Effect on the Senescent Marker p21 in Osteoblasts. Journal of Bone and Mineral Research, 2020, 36, 1420-1421.	2.8	3
63	Deregulated Clusterin as a Marker of Bone Fragility: New Insights into the Pathophysiology of Osteoporosis. Genes, 2022, 13, 652.	2.4	3
64	Obstructive sleep apnoea and bone health. European Respiratory Journal, 2016, 48, 1249-1250.	6.7	2
65	Obstructive sleep apnoea as a risk factor for osteopenia and osteoporosis in the male population: further data and comments. European Respiratory Journal, 2017, 49, 1602471.	6.7	1
66	Bone Morphogenetic Proteins, Satellite Cells, and Sarcopenia: Perspective in Translational Medicine. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1591-1593.	3.6	1
67	Clinical and surgical complexity in severe osteoporosis. Aging Clinical and Experimental Research, 2015, 27, 1-2.	2.9	0
68	Physical activity contradictorily affects bone mineral density in obstructive sleep apnea patients at different ages. Sleep Medicine, 2017, 32, 273.	1.6	0
69	The evidence of surgery delay after viscosupplementation is increasing. Beyond Rheumatology, 2020, 2, 79-82.	0.3	0
70	Challenges and Solutions for Musculoskeletal Disorders in Athletes. Medicina (Lithuania), 2022, 58, 80.	2.0	0
71	Locking screw augmentation in hypertrophic nonunion of tibia: a novel surgical technique. Acta Biomedica, 2021, 92, e2021434.	0.3	0