

Francesco Cavani

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,110
citations

18
h-index

32
g-index

58
ext. papers

1,234
ext. citations

3.5
avg, IF

3.66
L-index

#	Paper	IF	Citations
55	Morphine and anandamide stimulate intracellular calcium transients in human arterial endothelial cells: coupling to nitric oxide release. <i>Cellular Signalling</i> , 1999 , 11, 189-93	4.9	95
54	Cartilage repair with osteochondral autografts in sheep: effect of biophysical stimulation with pulsed electromagnetic fields. <i>Journal of Orthopaedic Research</i> , 2008 , 26, 631-42	3.8	76
53	Pulsed electromagnetic fields reduce knee osteoarthritic lesion progression in the aged Dunkin Hartley guinea pig. <i>Journal of Orthopaedic Research</i> , 2005 , 23, 899-908	3.8	74
52	ADA-deficient SCID is associated with a specific microenvironment and bone phenotype characterized by RANKL/OPG imbalance and osteoblast insufficiency. <i>Blood</i> , 2009 , 114, 3216-26	2.2	68
51	Effect of pulsed electromagnetic field stimulation on knee cartilage, subchondral and epyphiseal trabecular bone of aged Dunkin Hartley guinea pigs. <i>Biomedicine and Pharmacotherapy</i> , 2008 , 62, 709-15	7.5	59
50	The effect of pulsed electromagnetic fields on the osteointegration of hydroxyapatite implants in cancellous bone: a morphologic and microstructural in vivo study. <i>Journal of Orthopaedic Research</i> , 2002 , 20, 756-63	3.8	57
49	Ovariectomy sensitizes rat cortical bone to whole-body vibration. <i>Calcified Tissue International</i> , 2008 , 82, 316-26	3.9	56
48	Influence of bone tissue density and elasticity on ultrasound propagation: an in vitro study. <i>Journal of Bone and Mineral Research</i> , 2000 , 15, 2458-66	6.3	51
47	Influence of ferutinin on bone metabolism in ovariectomized rats. II: role in recovering osteoporosis. <i>Journal of Anatomy</i> , 2010 , 217, 48-56	2.9	48
46	Ablation of bone cells by electroporation. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2010 , 92, 1614-20		44
45	Influence of ferutinin on bone metabolism in ovariectomized rats. I: role in preventing osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2009 , 27, 538-45	2.9	36
44	In vivo effect of two different pulsed electromagnetic field frequencies on osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2014 , 32, 677-85	3.8	34
43	Structural and ultrastructural analyses of bone regeneration in rabbit cranial osteotomy: Piezosurgery versus traditional osteotomes. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018 , 46, 107-118	3.6	28
42	Histomorphometric and mechanical analysis of the hydroxyapatite-bone interface after electromagnetic stimulation: an experimental study in rabbits. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2006 , 88, 123-8		25
41	Leptin increases growth of primary ossification centers in fetal mice. <i>Journal of Anatomy</i> , 2009 , 215, 577-83	2.3	23
40	Morphine coupling to invertebrate immunocyte nitric oxide release is dependent on intracellular calcium transients. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1999 , 123, 295-9	2.3	23
39	Different skeletal regional response to continuous brain infusion of leptin in the rat. <i>Peptides</i> , 2006 , 27, 1426-33	3.8	21

38	Effect of Different Irrigation Systems on Sealer Penetration into Dentinal Tubules. <i>Journal of Endodontics</i> , 2017 , 43, 652-656	4.7	20
37	Sodium hypochlorite solution penetration into human dentine: a histochemical evaluation. <i>International Endodontic Journal</i> , 2017 , 50, 492-498	5.4	18
36	Effects of different doses of ferutinin on bone formation/resorption in ovariectomized rats. <i>Journal of Bone and Mineral Metabolism</i> , 2012 , 30, 619-29	2.9	17
35	The biocompatibility of porous vs non-porous bone cements: a new methodological approach. <i>European Journal of Histochemistry</i> , 2014 , 58, 2255	2.1	15
34	Structural and histomorphometric evaluations of ferutinin effects on the uterus of ovariectomized rats during osteoporosis treatment. <i>Life Sciences</i> , 2012 , 90, 161-8	6.8	14
33	Sympathectomy alters bone architecture in adult growing rats. <i>Journal of Cellular Biochemistry</i> , 2008 , 104, 2155-64	4.7	14
32	Influence of density, elasticity, and structure on ultrasound transmission through trabecular bone cylinders. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008 , 55, 1465-72	3.2	13
31	Morphological and quantitative analysis of BCL6 expression in human colorectal carcinogenesis. <i>Oncology Reports</i> , 2014 , 31, 103-10	3.5	12
30	Effect of trabecular orientation on mechanical resistance and ultrasound propagation in specimens of equine vertebrae. <i>Ultrasound in Medicine and Biology</i> , 2003 , 29, 1777-85	3.5	12
29	Feasibility of Electroporation in Bone and in the Surrounding Clinically Relevant Structures: A Preclinical Investigation. <i>Technology in Cancer Research and Treatment</i> , 2016 , 15, 737-748	2.7	12
28	Plaque accumulation on titanium disks with different surface treatments: an in vivo investigation. <i>Odontology / the Society of the Nippon Dental University</i> , 2018 , 106, 145-153	3.6	11
27	Bone Healing Evaluation Following Different Osteotomic Techniques in Animal Models: A Suitable Method for Clinical Insights. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7165	2.6	11
26	Behavior of the bone-titanium interface after push-in testing: a morphological study. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 64, 365-71		10
25	Does static precede dynamic osteogenesis in endochondral ossification as occurs in intramembranous ossification?. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2006 , 288, 1158-62		9
24	Double dye technique and fluid filtration test to evaluate early sealing ability of an endodontic sealer. <i>Clinical Oral Investigations</i> , 2017 , 21, 1267-1276	4.2	8
23	Osteocyte apoptosis and absence of bone remodeling in human auditory ossicles and scleral ossicles of lower vertebrates: a mere coincidence or linked processes?. <i>Calcified Tissue International</i> , 2012 , 90, 211-8	3.9	8
22	Immunocytochemical and structural comparative study of committed versus multipotent stem cells cultured with different biomaterials. <i>Micron</i> , 2013 , 47, 1-9	2.3	8
21	Mineral and Skeletal Homeostasis Influence the Manner of Bone Loss in Metabolic Osteoporosis due to Calcium-Deprived Diet in Different Sites of Rat Vertebra and Femur. <i>BioMed Research International</i> , 2015 , 2015, 304178	3	8

20	Cell Electroporation in Bone Tissue 2011 , 115-127		8
19	Ferutinin dose-dependent effects on uterus and mammary gland in ovariectomized rats. <i>Histology and Histopathology</i> , 2014 , 29, 1027-37	1.4	8
18	Biocompatibility Analyses of ALDIE-treated Titanium Plates Tested with Osteocyte and Fibroblast Cell Lines. <i>Biomedicines</i> , 2017 , 5,	4.8	7
17	Interaction among Calcium Diet Content, PTH (1-34) Treatment and Balance of Bone Homeostasis in Rat Model: The Trabecular Bone as Keystone. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
16	Sodium hypochlorite penetration into dentinal tubules after manual dynamic agitation and ultrasonic activation: a histochemical evaluation. <i>Odontology / the Society of the Nippon Dental University</i> , 2018 , 106, 454-459	3.6	5
15	PTH(1-34) effects on repairing experimentally drilled holes in rat femur: novel aspects—qualitative vs. quantitative improvement of osteogenesis. <i>Journal of Anatomy</i> , 2017 , 230, 75-84	2.9	5
14	Differential efficacy of endodontic obturation procedures: an ex vivo study. <i>Odontology / the Society of the Nippon Dental University</i> , 2014 , 102, 223-31	3.6	5
13	Identification of Sclerostin as a Putative New Myokine Involved in the Muscle-to-Bone Crosstalk. <i>Biomedicines</i> , 2021 , 9,	4.8	5
12	Two peculiar conditions following a coma: a clinical case of heterotopic ossification concomitant with keloid formation. <i>Clinical Anatomy</i> , 2008 , 21, 348-54	2.5	4
11	IN VIVO EFFECTS OF LOW FREQUENCY LOW ENERGY PULSING ELECTROMAGNETIC FIELDS ON GENE EXPRESSION DURING THE INFLAMMATION PHASE OF BONE REPAIR. <i>Electromagnetic Biology and Medicine</i> , 2002 , 21, 197-208	2.2	4
10	Volumetric Changes Following Lateral Guided Bone Regeneration. <i>International Journal of Oral and Maxillofacial Implants</i> , 2020 , 35, e77-e85	2.8	4
9	RGB method in immunofluorescence investigations on stem cells. <i>Optics and Laser Technology</i> , 2011 , 43, 317-322	4.2	3
8	Expression and functional proteomic analyses of osteocytes from <i>Xenopus laevis</i> tested under mechanical stress conditions: preliminary observations on an appropriate new animal model. <i>Journal of Anatomy</i> , 2017 , 231, 823-834	2.9	2
7	Pulsed Electromagnetic Fields Modulate Enzymatic Actmty During the Early Stages of Bone Repair. <i>Electromagnetic Biology and Medicine</i> , 1997 , 16, 143-152		2
6	WISP-2 expression induced by Teriparatide treatment affects in vitro osteoblast differentiation and improves in vivo osteogenesis. <i>Molecular and Cellular Endocrinology</i> , 2020 , 513, 110817	4.4	2
5	Scleral ossicles: angiogenic scaffolds, a novel biomaterial for regenerative medicine applications. <i>Biomaterials Science</i> , 2019 , 8, 413-425	7.4	2
4	Evaluation of the root filling quality with experimental carrier-based obturators: a CLSM and FEG-SEM analysis. <i>Australian Endodontic Journal</i> , 2021 ,	1.7	1
3	Calcium Hydroxide Removal Using Four Different Irrigation Systems: A Quantitative Evaluation by Scanning Electron Microscopy. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 271	2.6	0

2 Elaboration of an Experimental Animal Model for Quantitative and Qualitative Studies on Reparative Osteogenesis. *Electromagnetic Biology and Medicine*, **1996**, 15, 119-131

1 Effect of self-adjusting file and WaveOne reciprocating file on the filling ability of oval-shaped canals with thermoplasticized gutta-percha. *Journal of Biological Regulators and Homeostatic Agents*, **2018**, 32, 1583-1587

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