

# Francesco Cavani

## List of Publications by Year in Descending Order

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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	Calcium Hydroxide Removal Using Four Different Irrigation Systems: A Quantitative Evaluation by Scanning Electron Microscopy. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 271	2.6	0
54	Evaluation of the root filling quality with experimental carrier-based obturators: a CLSM and FEG-SEM analysis. <i>Australian Endodontic Journal</i> , <b>2021</b> ,	1.7	1
53	Identification of Sclerostin as a Putative New Myokine Involved in the Muscle-to-Bone Crosstalk. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	5
52	WISP-2 expression induced by Teriparatide treatment affects in vitro osteoblast differentiation and improves in vivo osteogenesis. <i>Molecular and Cellular Endocrinology</i> , <b>2020</b> , 513, 110817	4.4	2
51	Volumetric Changes Following Lateral Guided Bone Regeneration. <i>International Journal of Oral and Maxillofacial Implants</i> , <b>2020</b> , 35, e77-e85	2.8	4
50	Bone Healing Evaluation Following Different Osteotomic Techniques in Animal Models: A Suitable Method for Clinical Insights. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7165	2.6	11
49	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> , <b>2019</b> , 20,	6.3	5
48	Scleral ossicles: angiogenic scaffolds, a novel biomaterial for regenerative medicine applications. <i>Biomaterials Science</i> , <b>2019</b> , 8, 413-425	7.4	2
47	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> , <b>2018</b> , 106, 454-459	3.6	5
46	Structural and ultrastructural analyses of bone regeneration in rabbit cranial osteotomy: Piezosurgery versus traditional osteotomes. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2018</b> , 46, 107-118	3.6	28
45	Plaque accumulation on titanium disks with different surface treatments: an in vivo investigation. <i>Odontology / the Society of the Nippon Dental University</i> , <b>2018</b> , 106, 145-153	3.6	11
44	Effect of self-adjusting file and WaveOne reciprocating file on the filling ability of oval-shaped canals with thermoplasticized gutta-percha. <i>Journal of Biological Regulators and Homeostatic Agents</i> , <b>2018</b> , 32, 1583-1587	0.7	
43	Double dye technique and fluid filtration test to evaluate early sealing ability of an endodontic sealer. <i>Clinical Oral Investigations</i> , <b>2017</b> , 21, 1267-1276	4.2	8
42	Sodium hypochlorite solution penetration into human dentine: a histochemical evaluation. <i>International Endodontic Journal</i> , <b>2017</b> , 50, 492-498	5.4	18
41	Effect of Different Irrigation Systems on Sealer Penetration into Dentinal Tubules. <i>Journal of Endodontics</i> , <b>2017</b> , 43, 652-656	4.7	20
40	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> , <b>2017</b> , 231, 823-834	2.9	2
39	PTH(1-34) effects on repairing experimentally drilled holes in rat femur: novel aspects of qualitative vs. quantitative improvement of osteogenesis. <i>Journal of Anatomy</i> , <b>2017</b> , 230, 75-84	2.9	5

38	Biocompatibility Analyses of ALD-Treated Titanium Plates Tested with Osteocyte and Fibroblast Cell Lines. <i>Biomedicines</i> , <b>2017</b> , 5,	4.8	7
37	Feasibility of Electroporation in Bone and in the Surrounding Clinically Relevant Structures: A Preclinical Investigation. <i>Technology in Cancer Research and Treatment</i> , <b>2016</b> , 15, 737-748	2.7	12
36	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> , <b>2015</b> , 2015, 304178	3	8
35	Morphological and quantitative analysis of BCL6 expression in human colorectal carcinogenesis. <i>Oncology Reports</i> , <b>2014</b> , 31, 103-10	3.5	12
34	In vivo effect of two different pulsed electromagnetic field frequencies on osteoarthritis. <i>Journal of Orthopaedic Research</i> , <b>2014</b> , 32, 677-85	3.8	34
33	The biocompatibility of porous vs non-porous bone cements: a new methodological approach. <i>European Journal of Histochemistry</i> , <b>2014</b> , 58, 2255	2.1	15
32	Differential efficacy of endodontic obturation procedures: an ex vivo study. <i>Odontology / the Society of the Nippon Dental University</i> , <b>2014</b> , 102, 223-31	3.6	5
31	Ferutinin dose-dependent effects on uterus and mammary gland in ovariectomized rats. <i>Histology and Histopathology</i> , <b>2014</b> , 29, 1027-37	1.4	8
30	Immunocytochemical and structural comparative study of committed versus multipotent stem cells cultured with different biomaterials. <i>Micron</i> , <b>2013</b> , 47, 1-9	2.3	8
29	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> , <b>2012</b> , 90, 211-8	3.9	8
28	Structural and histomorphometric evaluations of ferutinin effects on the uterus of ovariectomized rats during osteoporosis treatment. <i>Life Sciences</i> , <b>2012</b> , 90, 161-8	6.8	14
27	Effects of different doses of ferutinin on bone formation/resorption in ovariectomized rats. <i>Journal of Bone and Mineral Metabolism</i> , <b>2012</b> , 30, 619-29	2.9	17
26	Cell Electroporation in Bone Tissue <b>2011</b> , 115-127		8
25	RGB method in immunofluorescence investigations on stem cells. <i>Optics and Laser Technology</i> , <b>2011</b> , 43, 317-322	4.2	3
24	Influence of ferutinin on bone metabolism in ovariectomized rats. II: role in recovering osteoporosis. <i>Journal of Anatomy</i> , <b>2010</b> , 217, 48-56	2.9	48
23	Ablation of bone cells by electroporation. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>2010</b> , 92, 1614-20		44
22	Influence of ferutinin on bone metabolism in ovariectomized rats. I: role in preventing osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , <b>2009</b> , 27, 538-45	2.9	36
21	Leptin increases growth of primary ossification centers in fetal mice. <i>Journal of Anatomy</i> , <b>2009</b> , 215, 577-83	2.3	23

20	ADA-deficient SCID is associated with a specific microenvironment and bone phenotype characterized by RANKL/OPG imbalance and osteoblast insufficiency. <i>Blood</i> , <b>2009</b> , 114, 3216-26	2.2	68
19	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> , <b>2008</b> , 62, 709-15	7.5	59
18	Influence of density, elasticity, and structure on ultrasound transmission through trabecular bone cylinders. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2008</b> , 55, 1465-72	3.2	13
17	Ovariectomy sensitizes rat cortical bone to whole-body vibration. <i>Calcified Tissue International</i> , <b>2008</b> , 82, 316-26	3.9	56
16	Cartilage repair with osteochondral autografts in sheep: effect of biophysical stimulation with pulsed electromagnetic fields. <i>Journal of Orthopaedic Research</i> , <b>2008</b> , 26, 631-42	3.8	76
15	Sympathectomy alters bone architecture in adult growing rats. <i>Journal of Cellular Biochemistry</i> , <b>2008</b> , 104, 2155-64	4.7	14
14	Two peculiar conditions following a coma: a clinical case of heterotopic ossification concomitant with keloid formation. <i>Clinical Anatomy</i> , <b>2008</b> , 21, 348-54	2.5	4
13	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> , <b>2006</b> , 288, 1158-62		9
12	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> , <b>2006</b> , 88, 123-8		25
11	Different skeletal regional response to continuous brain infusion of leptin in the rat. <i>Peptides</i> , <b>2006</b> , 27, 1426-33	3.8	21
10	Pulsed electromagnetic fields reduce knee osteoarthritic lesion progression in the aged Dunkin Hartley guinea pig. <i>Journal of Orthopaedic Research</i> , <b>2005</b> , 23, 899-908	3.8	74
9	Behavior of the bone-titanium interface after push-in testing: a morphological study. <i>Journal of Biomedical Materials Research Part B</i> , <b>2003</b> , 64, 365-71		10
8	Effect of trabecular orientation on mechanical resistance and ultrasound propagation in specimens of equine vertebrae. <i>Ultrasound in Medicine and Biology</i> , <b>2003</b> , 29, 1777-85	3.5	12
7	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> , <b>2002</b> , 20, 756-63	3.8	57
6	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> , <b>2002</b> , 21, 197-208	2.2	4
5	Influence of bone tissue density and elasticity on ultrasound propagation: an in vitro study. <i>Journal of Bone and Mineral Research</i> , <b>2000</b> , 15, 2458-66	6.3	51
4	Morphine and anandamide stimulate intracellular calcium transients in human arterial endothelial cells: coupling to nitric oxide release. <i>Cellular Signalling</i> , <b>1999</b> , 11, 189-93	4.9	95
3	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> , <b>1999</b> , 123, 295-9	2.3	23

- 2 Pulsed Electromagnetic Fields Modulate Enzymatic Actmty During the Early Stages of Bone Repair. *Electromagnetic Biology and Medicine*, **1997**, 16, 143-152 2
- 1 Elaboration of an Experimental Animal Model for Quantitative and Qualitative Studies on Reparative Osteogenesis. *Electromagnetic Biology and Medicine*, **1996**, 15, 119-131