Francesco Cavani

List of Publications by Year
in descending order

58 papers	1,375 citations	361045 20 h-index	360668 35 g-index
58 all docs	58 docs citations	58 times ranked	1708 citing authors

#	Article	IF	Citations
1	Morphine and Anandamide Stimulate Intracellular Calcium Transients in Human Arterial Endothelial Cells: Coupling to Nitric Oxide Release1Abbreviations: NOâ€“Nitric oxide, cNOSâ€“constitutive nitric oxide synthase.1. Cellular Signalling, 1999, 11, 189-193.	1.7	104
2	Pulsed electromagnetic fields reduce knee osteoarthritic lesion progression in the aged Dunkin Hartley guinea pig. Journal of Orthopaedic Research, 2005, 23, 899-908.	1.2	84
3	Cartilage repair with osteochondral autografts in sheep: Effect of biophysical stimulation with pulsed electromagnetic fields. Journal of Orthopaedic Research, 2008, 26, 631-642.	1.2	83
4	ADA-deficient SCID is associated with a specific microenvironment and bone phenotype characterized by RANKL/OPG imbalance and osteoblast insufficiency. Blood, 2009, 114, 3216-3226.	0.6	82
5	The effect of pulsed electromagnetic fields on the osteointegration of hydroxyapatite implants in cancellous bone: a morphologic and microstructural in vivo study. Journal of Orthopaedic Research, 2002, 20, 756-763.	1.2	68
6	Effect of pulsed electromagnetic field stimulation on knee cartilage, subchondral and epyphiseal trabecular bone of aged Dunkin Hartley guinea pigs. Biomedicine and Pharmacotherapy, 2008, 62, 709-715.	2.5	66
7	Influence of Bone Tissue Density and Elasticity on Ultrasound Propagation: An In Vitro Study. Journal of Bone and Mineral Research, 2000, 15, 2458-2466.	3.1	64
8	Ovariectomy Sensitizes Rat Cortical Bone to Whole-Body Vibration. Calcified Tissue International, 2008, 82, 316-326.	1.5	63
9	Influence of ferutinin on bone metabolism in ovariectomized rats. II: Role in recovering osteoporosis. Journal of Anatomy, 2010, 217, 48-56.	0.9	53
10	Ablation of bone cells by electroporation. Journal of Bone and Joint Surgery: British Volume, 2010, 92-B, 1614-1620.	3.4	47
11	Structural and ultrastructural analyses of bone regeneration in rabbit cranial osteotomy: Piezosurgery versus traditional osteotomes. Journal of Cranio-Maxillo-Facial Surgery, 2018, 46, 107-118.	0.7	41
12	In vivo effect of two different pulsed electromagnetic field frequencies on osteoarthritis. Journal of Orthopaedic Research, 2014, 32, 677-685.	1.2	40
13	Effect of Different Irrigation Systems on Sealer Penetration into Dentinal Tubules. Journal of Endodontics, 2017, 43, 652-656.	1.4	39
14	Influence of ferutinin on bone metabolism in ovariectomized rats. I: role in preventing osteoporosis. Journal of Bone and Mineral Metabolism, 2009, 27, 538-545.	1.3	37
15	Histomorphometric and mechanical analysis of the hydroxyapatite-bone interface after electromagnetic stimulation. Journal of Bone and Joint Surgery: British Volume, 2006, 88-B, 123-128.	3.4	27
16	Identification of Sclerostin as a Putative New Myokine Involved in the Muscle-to-Bone Crosstalk. Biomedicines, 2021, 9, 71.	1.4	26
17	Morphine coupling to invertebrate immunocyte nitric oxide release is dependent on intracellular calcium transients. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1999, 123, 295-299.	0.7	25
18	Different skeletal regional response to continuous brain infusion of leptin in the rat. Peptides, 2006, 27, 1426-1433.	1.2	24

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19	Leptin increases growth of primary ossification centers in fetal mice. Journal of Anatomy, 2009, 215, 577-583.	0.9	24
20	Sodium hypochlorite solution penetration into human dentine: a histochemical evaluation. International Endodontic Journal, 2017, 50, 492-498.	2.3	22
21	The biocompatibility of porous vs non-porous bone cements: a new methodological approach. European Journal of Histochemistry, 2014, 58, 2255.	0.6	21
22	Bone Healing Evaluation Following Different Osteotomic Techniques in Animal Models: A Suitable Method for Clinical Insights. Applied Sciences (Switzerland), 2020, 10, 7165.	1.3	21
23	Feasibility of Electroporation in Bone and in the Surrounding Clinically Relevant Structures. Technology in Cancer Research and Treatment, 2016, 15, 737-748.	0.8	19
24	Sympathectomy alters bone architecture in adult growing rats. Journal of Cellular Biochemistry, 2008, 104, 2155-2164.	1.2	18
25	Structural and histomorphometric evaluations of ferutinin effects on the uterus of ovariectomized rats during osteoporosis treatment. Life Sciences, 2012, 90, 161-168.	2.0	17
26	Effects of different doses of ferutinin on bone formation/resorption in ovariectomized rats. Journal of Bone and Mineral Metabolism, 2012, 30, 619-629.	1.3	17
27	Influence of density, elasticity, and structure on ultrasound transmission through trabecular bone cylinders. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1465-1472.	1.7	16
28	Osteocyte Apoptosis and Absence of Bone Remodeling in Human Auditory Ossicles and Scleral Ossicles of Lower Vertebrates: A Mere Coincidence or Linked Processes?. Calcified Tissue International, 2012, 90, 211-218.	1.5	16
29	Double dye technique and fluid filtration test to evaluate early sealing ability of an endodontic sealer. Clinical Oral Investigations, 2017, 21, 1267-1276.	1.4	16
30	Effect of trabecular orientation on mechanical resistance and ultrasound propagation in specimens of equine vertebrae. Ultrasound in Medicine and Biology, 2003, 29, 1777-1785.	0.7	14
31	Morphological and quantitative analysis of BCL6 expression in human colorectal carcinogenesis. Oncology Reports, 2014, 31, 103-110.	1.2	13
32	Plaque accumulation on titanium disks with different surface treatments: an in vivo investigation. Odontology / the Society of the Nippon Dental University, 2018, 106, 145-153.	0.9	13
33	Behavior of the bone-titanium interface after push-in testing: A morphological study. Journal of Biomedical Materials Research Part B, 2003, 64A, 365-371.	3.0	10
34	Immunocytochemical and structural comparative study of committed versus multipotent stem cells cultured with different biomaterials. Micron, 2013, 47, 1-9.	1.1	10
35	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. BioMed Research International, 2015, 2015, 1-12.	0.9	10
36	Ferutinin dose-dependent effects on uterus and mammary gland in ovariectomized rats. Histology and Histopathology, 2014, 29, 1027-37.	0.5	10

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37	Does static precede dynamic osteogenesis in endochondral ossification as occurs in intramembranous ossification?. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 1158-1162.	2.0	9
38	Interaction among Calcium Diet Content, PTH (1-34) Treatment and Balance of Bone Homeostasis in Rat Model: The Trabecular Bone as Keystone. International Journal of Molecular Sciences, 2019, 20, 753.	1.8	9
39	WISP-2 expression induced by Teriparatide treatment affects in vitro osteoblast differentiation and improves in vivo osteogenesis. Molecular and Cellular Endocrinology, 2020, 513, 110817.	1.6	9
40	Pulsed Electro-Magnetic Field (PEMF) Effect on Bone Healing in Animal Models: A Review of Its Efficacy Related to Different Type of Damage. Biology, 2022, 11, 402.	1.3	9
41	Cell Electroporation in Bone Tissue. , 2011, , 115-127.		8
42	Biocompatibility Analyses of Al2O3-Treated Titanium Plates Tested with Osteocyte and Fibroblast Cell Lines. Biomedicines, 2017, 5, 32.	1.4	7
43	Sodium hypochlorite penetration into dentinal tubules after manual dynamic agitation and ultrasonic activation: a histochemical evaluation. Odontology / the Society of the Nippon Dental University, 2018, 106, 454-459.	0.9	7
44	Volumetric Changes Following Lateral Guided Bone Regeneration. International Journal of Oral and Maxillofacial Implants, 2020, 35, e77-e85.	0.6	7
45	Comparative Evaluation of the Penetration Depth into Dentinal Tubules of Three Endodontic Irrigants. Materials, 2021, 14, 5853.	1.3	7
46	Scleral ossicles: angiogenic scaffolds, a novel biomaterial for regenerative medicine applications. Biomaterials Science, 2020, 8, 413-425.	2.6	6
47	Two peculiar conditions following a coma: A clinical case of heterotopic ossification concomitant with keloid formation. Clinical Anatomy, 2008, 21, 348-354.	1.5	5
48	Differential efficacy of endodontic obturation procedures: an ex vivo study. Odontology / the Society of the Nippon Dental University, 2014, 102, 223-231.	0.9	5
49	Expression and functional proteomic analyses of osteocytes from Xenopus laevis tested under mechanical stress conditions: preliminary observations on an appropriate new animal model. Journal of Anatomy, 2017, 231, 823-834.	0.9	5
50	<scp>PTH</scp>(1â€34) effects on repairing experimentally drilled holes in rat femur: novel aspectsÂâ€“Âqualitative vs. quantitative improvement of osteogenesis. Journal of Anatomy, 2017, 230, 75-84.	0.9	5
51	IN VIVO EFFECTS OF LOW FREQUENCY LOW ENERGY PULSING ELECTROMAGNETIC FIELDS ON GENE EXPRESSION DURING THE INFLAMMATION PHASE OF BONE REPAIR. Electromagnetic Biology and Medicine, 2002, 21, 197-208.	0.7	4
52	RGB method in immunofluorescence investigations on stem cells. Optics and Laser Technology, 2011, 43, 317-322.	2.2	4
53	Evaluation of the root filling quality with experimental carrierâ€based obturators: a CLSM and FEGâ€SEM analysis. Australian Endodontic Journal, 2021, , .	0.6	4
54	Pulsed Electromagnetic Fields Modulate Enzymatic Actmty During the Early Stages of Bone Repair. Electromagnetic Biology and Medicine, 1997, 16, 143-152.	0.4	3

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55	Calcium Hydroxide Removal Using Four Different Irrigation Systems: A Quantitative Evaluation by Scanning Electron Microscopy. Applied Sciences (Switzerland), 2022, 12, 271.	1.3	2
56	Elaboration of an Experimental Animal Model for Quantitative and Qualitative Studies on Reparative Osteogenesis. Electromagnetic Biology and Medicine, 1996, 15, 119-131.	0.4	0
57	Electroporation of Bone Tissue: Implications for Use in the Treatment of Bone Metastasis with Electrochemotherapy. IFMBE Proceedings, 2009, , 8-9.	0.2	0
58	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.	0.7	0