

Jean-Paul Roux

List of Publications by Year in descending order

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60
papers

3,954
citations

186209

28
h-index

138417

58
g-index

62
all docs

62
docs citations

62
times ranked

3978
citing authors

#	ARTICLE	IF	CITATIONS
1	Different functions for the thyroid hormone receptors TRalpha and TRbeta in the control of thyroid hormone production and post-natal development. <i>EMBO Journal</i> , 1999, 18, 623-631.	3.5	366
2	The T3Ralpha gene encoding a thyroid hormone receptor is essential for post-natal development and thyroid hormone production. <i>EMBO Journal</i> , 1997, 16, 4412-4420.	3.5	317
3	Comparison of Trabecular Bone Microarchitecture and Remodeling in Glucocorticoid-Induced and Postmenopausal Osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 97-103.	3.1	277
4	Genetic Analysis Reveals Different Functions for the Products of the Thyroid Hormone Receptor $\hat{\pm}$ Locus. <i>Molecular and Cellular Biology</i> , 2001, 21, 4748-4760.	1.1	239
5	Bone sialoprotein plays a functional role in bone formation and osteoclastogenesis. <i>Journal of Experimental Medicine</i> , 2008, 205, 1145-1153.	4.2	223
6	Contribution of the advanced glycation end product pentosidine and of maturation of type I collagen to compressive biomechanical properties of human lumbar vertebrae. <i>Bone</i> , 2006, 39, 1073-1079.	1.4	197
7	Do ultrasound measurements on the os calcis reflect more the bone microarchitecture than the bone mass?: A two-dimensional histomorphometric study. <i>Bone</i> , 1995, 16, 295-300.	1.4	192
8	Histomorphometric and $\hat{\pm}$ CT Analysis of Bone Biopsies From Postmenopausal Osteoporotic Women Treated With Strontium Ranelate. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 215-222.	3.1	170
9	The predictive value of trabecular bone score (TBS) on whole lumbar vertebrae mechanics: an ex vivo study. <i>Osteoporosis International</i> , 2013, 24, 2455-2460.	1.3	143
10	Thyroid Hormone Excess Rather Than Thyrotropin Deficiency Induces Osteoporosis in Hyperthyroidism. <i>Molecular Endocrinology</i> , 2007, 21, 1095-1107.	3.7	137
11	Microcrack Frequency and Bone Remodeling in Postmenopausal Osteoporotic Women on Long-Term Bisphosphonates: A Bone Biopsy Study. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1502-1509.	3.1	135
12	Contribution of Trabecular and Cortical Components to Biomechanical Behavior of Human Vertebrae: An Ex Vivo Study. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 356-361.	3.1	100
13	Bone-Forming and Antiresorptive Effects of Romosozumab in Postmenopausal Women With Osteoporosis: Bone Histomorphometry and Microcomputed Tomography Analysis After 2 and 12 Months of Treatment. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1597-1608.	3.1	98
14	Interleukin-4 inhibits bone resorption through an effect on osteoclasts and proinflammatory cytokines in an ex vivo model of bone resorption in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1994, 37, 1715-1722.	6.7	96
15	Effects of Alendronate on Bone Quality and Remodeling in Glucocorticoid-Induced Osteoporosis: A Histomorphometric Analysis of Transiliac Biopsies. <i>Journal of Bone and Mineral Research</i> , 2010, 15, 754-762.	3.1	95
16	Chronic administration of Glucagon-like peptide-1 receptor agonists improves trabecular bone mass and architecture in ovariectomised mice. <i>Bone</i> , 2015, 81, 459-467.	1.4	87
17	Role of trabecular microarchitecture and its heterogeneity parameters in the mechanical behavior of ex vivo human L3 vertebrae. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2324-2331.	3.1	79
18	Are Biochemical Markers of Bone Turnover Representative of Bone Histomorphometry in 370 Postmenopausal Women?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 4662-4668.	1.8	75

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19	Microarchitecture Influences Microdamage Accumulation in Human Vertebral Trabecular Bone. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1613-1618.	3.1	74
20	The anti-diabetic drug metformin does not affect bone mass in vivo or fracture healing. <i>Osteoporosis International</i> , 2013, 24, 2659-2670.	1.3	74
21	High-Resolution Computed Tomography for Architectural Characterization of Human Lumbar Cancellous Bone: Relationships with Histomorphometry and Biomechanics. <i>Osteoporosis International</i> , 1999, 10, 353-360.	1.3	64
22	Fractal Analysis of Bone Texture on Os Calcis Radiographs Compared with Trabecular Microarchitecture Analyzed by Histomorphometry. <i>Calcified Tissue International</i> , 1998, 63, 121-125.	1.5	61
23	Differential Effects of IL-17A and TNF- α on Osteoblastic Differentiation of Isolated Synoviocytes and on Bone Explants from Arthritis Patients. <i>Frontiers in Immunology</i> , 2015, 6, 151.	2.2	46
24	Mechanical Properties of Ewe Vertebral Cancellous Bone Compared With Histomorphometry and High-Resolution Computed Tomography Parameters. <i>Bone</i> , 1998, 22, 651-658.	1.4	39
25	Association between collagen cross-links and trabecular microarchitecture properties of human vertebral bone. <i>Bone</i> , 2010, 46, 342-347.	1.4	37
26	Comparison of 2D and 3D bone microarchitecture evaluation at the femoral neck, among postmenopausal women with hip fracture or hip osteoarthritis. <i>Bone</i> , 2011, 49, 1055-1061.	1.4	34
27	Bisphosphonates impair the onset of bone formation at remodeling sites. <i>Bone</i> , 2021, 145, 115850.	1.4	31
28	Automatic-interactive measurement of resorption cavities in transiliac bone biopsies and correlation with deoxyipyridinoline. <i>Bone</i> , 1995, 17, 153-156.	1.4	30
29	Fracture Discrimination by Combined Bone Mineral Density (BMD) and Microarchitectural Texture Analysis. <i>Calcified Tissue International</i> , 2015, 96, 274-283.	1.5	29
30	Radiologic assessment of age-related knee joint space changes in women: A 4-year longitudinal study. <i>Arthritis and Rheumatism</i> , 2009, 61, 336-343.	6.7	28
31	Determinants of the mechanical behavior of human lumbar vertebrae after simulated mild fracture. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 739-746.	3.1	28
32	Pore network microarchitecture influences human cortical bone elasticity during growth and aging. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 63, 164-173.	1.5	28
33	Influence of blinding sequence of radiographs on the reproducibility and sensitivity to change of joint space width measurement in knee osteoarthritis. <i>Arthritis Care and Research</i> , 2010, 62, 1699-1705.	1.5	25
34	Clinically meaningful effect of strontium ranelate on symptoms in knee osteoarthritis: a responder analysis. <i>Rheumatology</i> , 2014, 53, 1457-1464.	0.9	25
35	Highly crosslinked polyethylene: a safe alternative to conventional polyethylene for dual mobility cup mobile component. A biomechanical validation. <i>International Orthopaedics</i> , 2017, 41, 507-512.	0.9	25
36	Excessive Growth Hormone Expression in Male GH Transgenic Mice Adversely Alters Bone Architecture and Mechanical Strength. <i>Endocrinology</i> , 2015, 156, 1362-1371.	1.4	23

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37	Methods for the histological study of femoral neck bone remodelling in patients with fractured neck of femur. <i>Bone</i> , 1993, 14, 249-255.	1.4	22
38	Mice lacking AMP-activated protein kinase $\hat{1}$ catalytic subunit have increased bone remodelling and modified skeletal responses to hormonal challenges induced by ovariectomy and intermittent PTH treatment. <i>Journal of Endocrinology</i> , 2012, 214, 349-358.	1.2	22
39	Osteogenic capacity of vascularised periosteum: An experimental study on mandibular irradiated bone in rabbits. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2010, 63, 2160-2167.	0.5	17
40	Exenatide Improves Bone Quality in a Murine Model of Genetically Inherited Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2017, 8, 327.	1.5	17
41	High Kellgren-Lawrence Grade and Bone Marrow Lesions Predict Worsening Rates of Radiographic Joint Space Narrowing; The SEKOIA Study. <i>Journal of Rheumatology</i> , 2016, 43, 657-665.	1.0	16
42	Evaluation and Development of Automatic Two-Dimensional Measurements of Histomorphometric Parameters Reflecting Trabecular Bone Connectivity: Correlations with Dual-Energy X-Ray Absorptiometry and Quantitative Ultrasound in Human Calcaneum. <i>Calcified Tissue International</i> , 2005, 77, 195-204.	1.5	14
43	Low-intensity continuous ultrasound triggers effective bisphosphonate anticancer activity in breast cancer. <i>Scientific Reports</i> , 2015, 5, 16354.	1.6	14
44	Quantitative histomorphometric analysis of halved iliac crest bone biopsies yield comparable ROD diagnosis as full 7.5mm wide samples. <i>Bone</i> , 2020, 138, 115460.	1.4	14
45	The tridimensional geometry of the proximal femur should determine the design of cementless femoral stem in total hip arthroplasty. <i>International Orthopaedics</i> , 2018, 42, 2329-2334.	0.9	12
46	Bone remodeling in hip fracture. <i>Calcified Tissue International</i> , 1993, 53, S108-S112.	1.5	10
47	Evaluation of cortical mandibular bone in patients with oral squamous cell carcinoma. <i>Clinical Oral Investigations</i> , 2018, 22, 783-790.	1.4	10
48	Temporal variations in iliac trabecular bone formation in vertebral osteoporosis. <i>Calcified Tissue International</i> , 1993, 52, 10-15.	1.5	8
49	The role of bone intrinsic properties measured by infrared spectroscopy in whole lumbar vertebra mechanics: Organic rather than inorganic bone matrix?. <i>Bone</i> , 2013, 56, 229-233.	1.4	8
50	DXA body composition corrective factors between Hologic Discovery models to conduct multicenter studies. <i>Bone</i> , 2021, 142, 115683.	1.4	8
51	Cortical Fractal Analysis and Collagen Crosslinks Content in Femoral Neck After Osteoporotic Fracture in Postmenopausal Women: Comparison with Osteoarthritis. <i>Calcified Tissue International</i> , 2018, 102, 644-650.	1.5	6
52	In situ microtomography study of human bones under strain with synchrotron radiation. , 2004, , .		5
53	Vertebral body morphology is associated with incident lumbar vertebral fracture in postmenopausal women. The OFELY study. <i>Osteoporosis International</i> , 2016, 27, 2507-2513.	1.3	5
54	Novel Approach to Estimate Osteoarthritis Progression: Use of the Reliable Change Index in the Evaluation of Joint Space Loss. <i>Arthritis Care and Research</i> , 2019, 71, 300-307.	1.5	5

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55	Spatial Distribution of Microcracks in Osteoarthritic Femoral Neck: Influence of Osteophytes on Microcrack Formation. <i>Calcified Tissue International</i> , 2018, 103, 617-624.	1.5	4
56	Local and global microarchitecture is associated with different features of bone biomechanics. <i>Bone Reports</i> , 2020, 13, 100716.	0.2	4
57	Alendronate prolongs the reversal-resorption phase in human cortical bone remodeling. <i>Bone</i> , 2022, 160, 116419.	1.4	4
58	Dual-energy CT hybridation and kernel processing effects on the estimation of bone mineral mass and density: a calcination study on ex vivo human femur. <i>Osteoporosis International</i> , 2022, 33, 909-920.	1.3	1
59	Response to "Utilising DXA for body composition research studies". <i>Bone</i> , 2021, 149, 115992.	1.4	0
60	Bone sialoprotein plays a functional role in bone formation and osteoclastogenesis. <i>Journal of Cell Biology</i> , 2008, 181, i14-i14.	2.3	0