

# Frederic Lezot

## List of Publications by Year in descending order

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68  
papers

1,947  
citations

236925

25  
h-index

265206

42  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2802  
citing authors

#	ARTICLE	IF	CITATIONS
1	The contribution of immune infiltrates and the local microenvironment in the pathogenesis of osteosarcoma. <i>Cellular Immunology</i> , 2019, 343, 103711.	3.0	161
2	Dormant, quiescent, tolerant and persister cells: Four synonyms for the same target in cancer. <i>Biochemical Pharmacology</i> , 2019, 162, 169-176.	4.4	147
3	Bone tissue formation with human mesenchymal stem cells and biphasic calcium phosphate ceramics: The local implication of osteoclasts and macrophages. <i>Biomaterials</i> , 2014, 35, 9660-9667.	11.4	133
4	RANK/RANKL signalling in cancer. <i>Bioscience Reports</i> , 2016, 36, .	2.4	128
5	Endogenous <i>Msx1</i> antisense transcript: <i>In vivo</i> and <i>in vitro</i> evidences, structure, and potential involvement in skeleton development in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 7336-7341.	7.1	111
6	<i>Msx2</i> transgenic mice develop compound amelogenesis imperfecta, dentinogenesis imperfecta and periodontal osteopetrosis. <i>Bone</i> , 2007, 41, 851-859.	2.9	75
7	The twin cytokines interleukin-34 and CSF-1: masterful conductors of macrophage homeostasis. <i>Theranostics</i> , 2021, 11, 1568-1593.	10.0	66
8	Receptor activator of NF- $\kappa$ B (RANK) stimulates the proliferation of epithelial cells of the epidermo-pilosebaceous unit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5342-5347.	7.1	60
9	Expression pattern of <i>Dlx3</i> during cell differentiation in mineralized tissues. <i>Bone</i> , 2005, 37, 799-809.	2.9	56
10	BYL719, a new $\text{I}\kappa\text{B}$ -specific PI3K inhibitor: Single administration and in combination with conventional chemotherapy for the treatment of osteosarcoma. <i>International Journal of Cancer</i> , 2015, 136, 784-796.	5.1	53
11	Physiological implications of DLX homeoproteins in enamel formation. <i>Journal of Cellular Physiology</i> , 2008, 216, 688-697.	4.1	52
12	Expression and regulation of the <i>Msx1</i> natural antisense transcript during development. <i>Nucleic Acids Research</i> , 2005, 33, 5208-5218.	14.5	50
13	Epithelial <i>Dlx-2</i> Homeogene Expression and Cementogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 277-283.	2.5	47
14	Bone resorption control of tooth eruption and root morphogenesis: Involvement of the receptor activator of NF- $\kappa$ B (RANK). <i>Journal of Cellular Physiology</i> , 2011, 226, 74-85.	4.1	46
15	<i>Msx1</i> Is a Regulator of Bone Formation During Development and Postnatal Growth: In Vivo Investigations in a Transgenic Mouse Model. <i>Connective Tissue Research</i> , 2002, 43, 153-160.	2.3	45
16	Differential Expression and Activity of Tissue-nonspecific Alkaline Phosphatase (TNAP) in Rat Odontogenic Cells In Vivo. <i>Journal of Histochemistry and Cytochemistry</i> , 1999, 47, 1541-1552.	2.5	44
17	Paradoxical side effects of bisphosphonates on the skeleton: What do we know and what can we do?. <i>Journal of Cellular Physiology</i> , 2018, 233, 5696-5715.	4.1	41
18	RANKL Induces Organized Lymph Node Growth by Stromal Cell Proliferation. <i>Journal of Immunology</i> , 2012, 188, 1245-1254.	0.8	40

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19	The Intrinsic and Extrinsic Implications of RANKL/RANK Signaling in Osteosarcoma: From Tumor Initiation to Lung Metastases. <i>Cancers</i> , 2018, 10, 398.	3.7	40
20	Enamel Protein Regulation and Dental and Periodontal Physiopathology in <i>Msx2</i> Mutant Mice. <i>American Journal of Pathology</i> , 2010, 177, 2516-2526.	3.8	37
21	Biom mineralization, Life-Time of Odontogenic Cells and Differential Expression of the Two Homeobox Genes <i>MSX-1</i> and <i>DLX-2</i> in Transgenic Mice. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 430-441.	2.8	33
22	RANK/RANKL/OPG Signalization Implication in Periodontitis: New Evidence from a RANK Transgenic Mouse Model. <i>Frontiers in Physiology</i> , 2017, 8, 338.	2.8	33
23	Cross-Talk Between <i>Msx/Dlx</i> Homeobox Genes and Vitamin D During Tooth Mineralization. <i>Connective Tissue Research</i> , 2002, 43, 509-514.	2.3	30
24	Skeletal consequences of RANKL-blocking antibody (IK22-5) injections during growth: Mouse strain disparities and synergic effect with zoledronic acid. <i>Bone</i> , 2015, 73, 51-59.	2.9	29
25	Evidence for regulation of amelogenin gene expression by 1,25-dihydroxyvitamin D3 in vivo. <i>Journal of Cellular Biochemistry</i> , 2000, 76, 194-205.	2.6	27
26	Physiopathology of Dental Rickets in Vitamin D Receptor-ablated Mice. <i>Journal of Dental Research</i> , 2010, 89, 1427-1432.	5.2	26
27	Preclinical evidence of potential craniofacial adverse effect of zoledronic acid in pediatric patients with bone malignancies. <i>Bone</i> , 2014, 68, 146-152.	2.9	25
28	Dental alveolar bone defects related to Vitamin D and calcium status. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004, 89-90, 615-618.	2.5	23
29	Severe compromise of preosteoblasts in a surgical mouse model of bisphosphonate-associated osteonecrosis of the jaw. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2016, 44, 1387-1394.	1.7	23
30	Bone resorption: an actor of dental and periodontal development?. <i>Frontiers in Physiology</i> , 2015, 6, 319.	2.8	21
31	Ribosomopathies: New Therapeutic Perspectives. <i>Cells</i> , 2020, 9, 2080.	4.1	21
32	<i>Msx1</i> Homeogene Antisense mRNA in Mouse Dental and Bone Cells. <i>Connective Tissue Research</i> , 2002, 43, 148-152.	2.3	19
33	Small animal models for the study of bone sarcoma pathogenesis: characteristics, therapeutic interests and limitations. <i>Journal of Bone Oncology</i> , 2018, 12, 7-13.	2.4	18
34	Differential Impact of <i>Msx1</i> and <i>Msx2</i> Homeogenes on Mouse Maxillofacial Skeleton. <i>Cells Tissues Organs</i> , 2009, 189, 126-132.	2.3	17
35	<i>Dlx</i> homeobox gene family expression in osteoclasts. <i>Journal of Cellular Physiology</i> , 2010, 223, 779-787.	4.1	17
36	SHH Signaling Pathway Drives Pediatric Bone Sarcoma Progression. <i>Cells</i> , 2020, 9, 536.	4.1	17

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37	Dento-alveolar Bone Complex and Vitamin D. , 2005, , 599-607.		14
38	Vitamin D and tissue non-specific alkaline phosphatase in dental cells. European Journal of Oral Sciences, 2006, 114, 178-182.	1.5	14
39	Cephalometric assessment of craniofacial dysmorphologies in relation with Msx2 mutations in mouse. Orthodontics and Craniofacial Research, 2014, 17, 92-105.	2.8	13
40	Role of RANKL (TNFSF11)-Dependent Osteopetrosis in the Dental Phenotype of Msx2 Null Mutant Mice. PLoS ONE, 2013, 8, e80054.	2.5	11
41	Osteoclasts in the Dental Microenvironment: A Delicate Balance Controls Dental Histogenesis. Cells Tissues Organs, 2011, 194, 238-243.	2.3	10
42	Bisphosphonates in common pediatric and adult bone sarcomas. Bone, 2020, 139, 115523.	2.9	10
43	Does Vitamin D play a role on Msx1 homeoprotein expression involving an endogenous antisense mRNA?. Journal of Steroid Biochemistry and Molecular Biology, 2004, 89-90, 413-417.	2.5	8
44	Genetically-achieved disturbances to the expression levels of TNFSF11 receptors modulate the effects of zoledronic acid on growing mouse skeletons. Biochemical Pharmacology, 2019, 168, 133-148.	4.4	8
45	Sonic Hedgehog Signature in Pediatric Primary Bone Tumors: Effects of the GLI Antagonist GANT61 on Ewing's Sarcoma Tumor Growth. Cancers, 2020, 12, 3438.	3.7	8
46	ICG-001, an Inhibitor of the $\beta$ -Catenin and cAMP Response Element-Binding Protein Dependent Gene Transcription, Decreases Proliferation but Enhances Migration of Osteosarcoma Cells. Pharmaceuticals, 2021, 14, 421.	3.8	8
47	Nasal inverted papilloma expresses the muscle segment homeobox gene Msx2: possible prognostic implications. Human Pathology, 2008, 39, 350-358.	2.0	7
48	Maternal RANKL Reduces the Osteopetrotic Phenotype of Null Mutant Mouse Pups. Journal of Clinical Medicine, 2018, 7, 426.	2.4	6
49	Proteoglycans and Osteolysis. Methods in Molecular Biology, 2012, 836, 323-337.	0.9	6
50	Origins of Alterations to Rankl Null Mutant Mouse Dental Root Development. International Journal of Molecular Sciences, 2020, 21, 2201.	4.1	4
51	Primary Retention of Molars and RANKL Signaling Alteration during Craniofacial Growth. Journal of Clinical Medicine, 2020, 9, 898.	2.4	3
52	Inhibiting Endothelin Receptors with Macitentan Strengthens the Bone Protective Action of RANKL Inhibition and Reduces Metastatic Dissemination in Osteosarcoma. Cancers, 2022, 14, 1765.	3.7	3
53	Dental and periodontal osteopetrosis phenotype in Msx2 <sup>-/-</sup> -transgenic mice. Bone, 2009, 44, S293-S294.	2.9	0
54	Rank over-expression impact onto tooth and alveolar bone complex growth. Bone, 2009, 44, S327-S328.	2.9	0

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55	Facts and Hypothesis on Osteolytic Lesions Related to Normal and Tumoral Epithelial Dental Cell Differentiation. , 2010, , 77-96.		0
56	Second permanent molars: embryological origin, development and eruption. Role of the RANK/RANKL/OPG pathway. Journal of Dentofacial Anomalies and Orthodontics, 2015, 18, 402.	0.0	0
57	Homeobox genes from the Dlx family and bone cancers. , 2015, , 149-162.		0
58	Growth factors, cytokines, and pediatric malignant primary bones tumors. , 2022, , 221-239.		0
59	Mammalian models of bone sarcomas. , 2022, , 27-34.		0
60	RANK/RANKL Axis in Melanoma. , 0, , .		0
61	New PI3K[alpha]-specific inhibitor, BYL719: therapeutic interest in osteosarcoma. Bone Abstracts, 0, , .	0.0	0
62	Craniofacial consequences of high-dose zoledronic acid injections in onco-pediatric patients. Bone Abstracts, 0, , .	0.0	0
63	Preclinical evidence of craniofacial adverse effect of zoledronic acid in newborn mice: Potential consequences in pediatric osteosarcoma and Ewing's sarcoma patients.. Journal of Clinical Oncology, 2014, 32, 10047-10047.	1.6	0
64	Deuxièmes molaires permanentes : origine embryologique, développement et éruption. Rôle de la triade RANK/RANKL/OPG. Revue D'orthopedie Dento-faciale, 2015, 49, 207-216.	0.0	0
65	Abstract 3289: Skeletal consequences of bone resorption inhibitors (zoledronic acid and RANKL) Tj ETQq1 1 0.784314 rgBT /Overlock		0
66	Abstract 1439: RANK expression by osteosarcoma cells increases lung metastasis in Nude mouse while has no effect in immune-competent mouse. , 2015, , .		0
67	Abstract 4270: UMR957: a new osteogenic osteosarcoma cell-line derived from an osteoprotegerin null mutant mouse. , 2016, , .		0
68	Abstract B26: Prometastatic effect of ICG-001, a $\beta$ -catenin/CBP dependent transcription inhibitor, in osteosarcoma. , 2020, , .		0