

Aline Bozec

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

4,719
citations

117571

34
h-index

106281

65
g-index

108
all docs

108
docs citations

108
times ranked

8773
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult alcohol drinking and emotional tone are mediated by neutral sphingomyelinase during development in males. <i>Cerebral Cortex</i> , 2023, 33, 844-864.	1.6	9
2	Anti-inflammatory, but not osteoprotective, effect of the TRAF6/CD40 inhibitor 6877002 in rodent models of local and systemic osteolysis. <i>Biochemical Pharmacology</i> , 2022, 195, 114869.	2.0	2
3	Hypoxia Promotes Neutrophil Survival After Acute Myocardial Infarction. <i>Frontiers in Immunology</i> , 2022, 13, 726153.	2.2	14
4	Epigenetic basis of oncogenic-Kras-mediated epithelial-cellular proliferation and plasticity. <i>Developmental Cell</i> , 2022, 57, 310-328.e9.	3.1	6
5	Estrogen-mediated downregulation of HIF-1 α signaling in B lymphocytes influences postmenopausal bone loss. <i>Bone Research</i> , 2022, 10, 15.	5.4	10
6	Non-Invasive Characterization of Experimental Bone Metastasis in Obesity Using Multiparametric MRI and PET/CT. <i>Cancers</i> , 2022, 14, 2482.	1.7	2
7	B-lymphocytes influence postmenopausal bone loss in an HIF-1 α dependent signaling. <i>Bone Reports</i> , 2022, 16, 101397.	0.2	0
8	Mitochondrial respiration in B lymphocytes is essential for humoral immunity by controlling the flux of the TCA cycle. <i>Cell Reports</i> , 2022, 39, 110912.	2.9	20
9	Rheumatoid arthritis and osteoimmunology: The adverse impact of a deregulated immune system on bone metabolism. <i>Bone</i> , 2022, 162, 116468.	1.4	13
10	Age-associated B cells contribute to the pathogenesis of rheumatoid arthritis by inducing activation of fibroblast-like synoviocytes via TNF α -mediated ERK1/2 and JAK-STAT1 pathways. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1504-1514.	0.5	36
11	Epithelial HIF2 α expression induces intestinal barrier dysfunction and exacerbation of arthritis. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1119-1130.	0.5	4
12	Regulatory eosinophils induce the resolution of experimental arthritis and appear in remission state of human rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 451-468.	0.5	43
13	Fra-2/AP-1 regulates melanoma cell metastasis by downregulating Fam212b. <i>Cell Death and Differentiation</i> , 2021, 28, 1364-1378.	5.0	13
14	The Special Developmental Biology of Craniofacial Tissues Enables the Understanding of Oral and Maxillofacial Physiology and Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1315.	1.8	2
15	Morphological, functional, and molecular assessment of breast cancer bone metastases by experimental ultrasound techniques compared with magnetic resonance imaging and histological analysis. <i>Bone</i> , 2021, 144, 115821.	1.4	3
16	Hypoxia-Inducible Factors Regulate Osteoclasts in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 658893.	1.8	14
17	Apremilast inhibits inflammatory osteoclastogenesis. <i>Rheumatology</i> , 2021, 61, 452-461.	0.9	4
18	X-linked inhibitor of apoptosis protein (XIAP) inhibition in systemic sclerosis (SSc). <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 1048-1056.	0.5	3

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19	Novel approaches to target the microenvironment of bone metastasis. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 488-505.	12.5	91
20	Murine Metatarsus Bone and Joint Collagen-I Fiber Morphologies and Networks Studied With SHG Multiphoton Imaging. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 608383.	2.0	1
21	Systemic versus local adipokine expression differs in a combined obesity and osteoarthritis mouse model. <i>Scientific Reports</i> , 2021, 11, 17001.	1.6	1
22	Neutral sphingomyelinase mediates the co-morbidity trias of alcohol abuse, major depression and bone defects. <i>Molecular Psychiatry</i> , 2021, 26, 7403-7416.	4.1	20
23	The Transcription Factor FRA-1/AP-1 Controls Lipocalin-2 Expression and Inflammation in Sepsis Model. <i>Frontiers in Immunology</i> , 2021, 12, 701675.	2.2	14
24	Changes in mechanical loading affect arthritis-induced bone loss in mice. <i>Bone</i> , 2020, 131, 115149.	1.4	14
25	Defining Metaniches in the Oral Cavity According to Their Microbial Composition and Cytokine Profile. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8218.	1.8	17
26	Intratumor Heterogeneity Correlates With Reduced Immune Activity and Worse Survival in Melanoma Patients. <i>Frontiers in Oncology</i> , 2020, 10, 596493.	1.3	24
27	A Human Periodontal Ligament Fibroblast Cell Line as a New Model to Study Periodontal Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7961.	1.8	10
28	Systemic PPAR β Antagonism Reduces Metastatic Tumor Progression in Adipocyte-Rich Bone in Excess Weight Male Rodents. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 2440-2452.	3.1	5
29	Osteocyte necrosis triggers osteoclast-mediated bone loss through macrophage-inducible C-type lectin. <i>Journal of Clinical Investigation</i> , 2020, 130, 4811-4830.	3.9	93
30	Development and Exploitation of a Fully Human and Modular Organotypic Bone Marrow Niche Model to Study the Role of Stroma-Produced Factors in Human MDS. <i>Blood</i> , 2020, 136, 23-23.	0.6	3
31	Machine Learning Algorithms for Early Detection of Bone Metastases in an Experimental Rat Model. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3
32	Aggregated neutrophil extracellular traps resolve inflammation by proteolysis of cytokines and chemokines and protection from antiproteases. <i>FASEB Journal</i> , 2019, 33, 1401-1414.	0.2	90
33	How Autoantibodies Regulate Osteoclast Induced Bone Loss in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2019, 10, 1483.	2.2	59
34	Binding Immunoglobulin Protein (<sc>BIP</sc>) Inhibits <sc>TNF</sc>- α -Induced Osteoclast Differentiation and Systemic Bone Loss in an Erosive Arthritis Model. <i>ACR Open Rheumatology</i> , 2019, 1, 382-393.	0.9	10
35	Soluble CD83 Triggers Resolution of Arthritis and Sustained Inflammation Control in IDO Dependent Manner. <i>Frontiers in Immunology</i> , 2019, 10, 633.	2.2	25
36	In Vivo Models of Rheumatoid Arthritis. <i>Methods in Molecular Biology</i> , 2019, 1914, 269-280.	0.4	21

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37	Fra1 Controls Rheumatoid Factor Autoantibody Production by Bone Marrow Plasma Cells and the Development of Autoimmune Bone Loss. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 1352-1365.	3.1	10
38	Prediction of early metastatic disease in experimental breast cancer bone metastasis by combining PET/CT and MRI parameters to a Model-Averaged Neural Network. <i>Bone</i> , 2019, 120, 254-261.	1.4	23
39	Anti-inflammatory and immune-regulatory cytokines in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2019, 15, 9-17.	3.5	421
40	Osteoprotective action of low-salt diet requires myeloid cell-derived NFAT5. <i>JCI Insight</i> , 2019, 4, .	2.3	16
41	Transcription factor Fra-1 targets arginase-1 to enhance macrophage-mediated inflammation in arthritis. <i>Journal of Clinical Investigation</i> , 2019, 129, 2669-2684.	3.9	51
42	P086...Adipocytokines linking obesity and osteoarthritis. , 2018, , .		0
43	Hypoxia-inducible factor-1 β is a critical transcription factor for IL-10-producing B cells in autoimmune disease. <i>Nature Communications</i> , 2018, 9, 251.	5.8	188
44	The histone demethylase Jumonji domain-containing protein 3 (JMJD3) regulates fibroblast activation in systemic sclerosis. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 150-158.	0.5	51
45	Fra-2 Expression in Osteoblasts Regulates Systemic Inflammation and Lung Injury through Osteopontin. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	10
46	Group 2 Innate Lymphoid Cells Attenuate Inflammatory Arthritis and Protect from Bone Destruction in Mice. <i>Cell Reports</i> , 2018, 24, 169-180.	2.9	64
47	Abatacept blocks anti-citrullinated protein antibody and rheumatoid factor-mediated cytokine production in human macrophages in IDO-dependent manner. <i>Arthritis Research and Therapy</i> , 2018, 20, 24.	1.6	30
48	New insights into the key role of HIF-1 β in IL-10-producing B cells. <i>Cell Stress</i> , 2018, 2, 94-95.	1.4	3
49	An integrative approach unveils FOSL1 as an oncogene vulnerability in KRAS-driven lung and pancreatic cancer. <i>Nature Communications</i> , 2017, 8, 14294.	5.8	119
50	Latest perspectives on macrophages in bone homeostasis. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 517-525.	1.3	28
51	T Regulatory Cells in Bone Remodelling. <i>Current Osteoporosis Reports</i> , 2017, 15, 121-125.	1.5	57
52	A defined metabolic state in pre B cells governs B-cell development and is counterbalanced by Swiprosin-2/EFhd1. <i>Cell Death and Differentiation</i> , 2017, 24, 1239-1252.	5.0	52
53	Fra-2 regulates B cell development by enhancing IRF4 and Foxo1 transcription. <i>Journal of Experimental Medicine</i> , 2017, 214, 2059-2071.	4.2	27
54	The AP-1 Transcription Factor c-Jun Promotes Arthritis by Regulating Cyclooxygenase-2 and Arginase-1 Expression in Macrophages. <i>Journal of Immunology</i> , 2017, 198, 3605-3614.	0.4	67

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55	03.01â€¦Adipokines as link between arthritis and metabolism. , 2017, , .		0
56	01.12â€¦Fra-1 transcription factor expression in macrophages foster inflammation during rheumatoid arthritis development. , 2017, , .		0
57	01.05â€¦Regulation of arthritis by type 2 innate lymphoid cells. , 2017, , .		0
58	Galectin-3 as a novel regulator of osteoblast-osteoclast interaction and bone homeostasis. Bone, 2017, 105, 35-41.	1.4	38
59	Resolution of inflammation by interleukin-9-producing type 2 innate lymphoid cells. Nature Medicine, 2017, 23, 938-944.	15.2	223
60	02.24â€¦The ap-1 transcription factor c-jun promotes arthritis by regulating cyclooxygenase-2 expression in macrophages. , 2017, , .		0
61	AB0046â€¦Metabolism and osteoarthritis are linked by adipokines. , 2017, , .		1
62	SAT0201â€¦Abatacept but not tnf inhibitors block autoantibody-mediated cytokine production by monocytes. , 2017, , .		0
63	SAT0318â€¦Epigenetic regulation of FRA2 by JMJD3 regulates fibroblast activation in systemic sclerosis. , 2017, , .		0
64	An integrative cross-tumors approach identifies FOSL1 as an oncogene dependency in KRAS-driven lung cancer. Journal of Thoracic Oncology, 2016, 11, S51.	0.5	0
65	Th2 and eosinophil responses suppress inflammatory arthritis. Nature Communications, 2016, 7, 11596.	5.8	98
66	Mechanism of Regulation of Adipocyte Numbers in Adult Organisms Through Differentiation and Apoptosis Homeostasis. Journal of Visualized Experiments, 2016, , .	0.2	3
67	Inhibition of Osteoarthritis by Adiposeâ€Derived Stromal Cells Overexpressing Fraâ€1 in Mice. Arthritis and Rheumatology, 2016, 68, 138-151.	2.9	13
68	Regulation of osteosarcoma cell lung metastasis by the c-Fos/AP-1 target FGFR1. Oncogene, 2016, 35, 2852-2861.	2.6	63
69	High fat diet increases melanoma cell growth in the bone marrow by inducing osteopontin and interleukin 6. Oncotarget, 2016, 7, 26653-26669.	0.8	40
70	Microbiota from Obese Mice Regulate Hematopoietic Stem Cell Differentiation by Altering the Bone Niche. Cell Metabolism, 2015, 22, 886-894.	7.2	148
71	Osteoimmunology. , 2015, , 165-168.		1
72	T Cell Costimulation Molecules CD80/86 Inhibit Osteoclast Differentiation by Inducing the IDO/Tryptophan Pathway. Science Translational Medicine, 2014, 6, 235ra60.	5.8	150

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73	The AP-1 transcription factor Fra1 inhibits follicular B cell differentiation into plasma cells. <i>Journal of Experimental Medicine</i> , 2014, 211, 2199-2212.	4.2	45
74	Fra-2/AP-1 controls adipocyte differentiation and survival by regulating PPAR β and hypoxia. <i>Cell Death and Differentiation</i> , 2014, 21, 655-664.	5.0	46
75	Removing the Bone Brake. <i>Cell Metabolism</i> , 2014, 20, 394-395.	7.2	4
76	A6.4...Induction of TH2 cells and eosinophil by infection with <i>nippostrongylus brasiliensis</i> protects against rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, A72.1-A72.	0.5	1
77	The Nuclear Receptor Nr4a1 Mediates Anti-Inflammatory Effects of Apoptotic Cells. <i>Journal of Immunology</i> , 2014, 192, 4852-4858.	0.4	70
78	Blockade of receptor activator of nuclear factor- κ B (RANKL) signaling improves hepatic insulin resistance and prevents development of diabetes mellitus. <i>Nature Medicine</i> , 2013, 19, 358-363.	15.2	211
79	Sclerostin inhibition reverses systemic, periarticular and local bone loss in arthritis. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 1732-1736.	0.5	81
80	Osteoblast-specific expression of Fra-2/AP-1 controls Adiponectin/Osteocalcin expression and affects metabolism. <i>Journal of Cell Science</i> , 2013, 126, 5432-40.	1.2	37
81	A4.9...How Osteoblast Regulates Energy Metabolism and Systemic Inflammation Dependent of FRA-2 Expression. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, A27.1-A27.	0.5	0
82	Induction of osteoclastogenesis and bone loss by human autoantibodies against citrullinated vimentin. <i>Journal of Clinical Investigation</i> , 2012, 122, 1791-1802.	3.9	606
83	FOSL2 promotes leptin gene expression in human and mouse adipocytes. <i>Journal of Clinical Investigation</i> , 2012, 122, 1010-1021.	3.9	67
84	Interstitial lung disease induced by gefitinib and Toll-like receptor ligands is mediated by Fra-1. <i>Oncogene</i> , 2011, 30, 3821-3832.	2.6	26
85	Directed differentiation of hematopoietic precursors and functional osteoclasts from human ES and iPS cells. <i>Blood</i> , 2010, 115, 2769-2776.	0.6	135
86	Fra-2/AP-1 controls bone formation by regulating osteoblast differentiation and collagen production. <i>Journal of Cell Biology</i> , 2010, 190, 1093-1106.	2.3	115
87	Fra-2/AP-1 controls bone formation by regulating osteoblast differentiation and collagen production. <i>Journal of Experimental Medicine</i> , 2010, 207, i30-i30.	4.2	0
88	Phosphate-Dependent Regulation of MGP in Osteoblasts: Role of ERK1/2 and Fra-1. <i>Journal of Bone and Mineral Research</i> , 2009, 24, 1856-1868.	3.1	152
89	Osteoclast size is controlled by Fra-2 through LIF/LIF-receptor signalling and hypoxia. <i>Nature</i> , 2008, 454, 221-225.	13.7	177
90	Status of the executioner step of apoptosis in human with normal spermatogenesis and azoospermia. <i>Fertility and Sterility</i> , 2008, 90, 1723-1731.	0.5	17

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91	Differential effects of ionizing radiation and platinum-derivative chemotherapy on apoptotic pathways in testicular germ cells. <i>International Journal of Radiation Biology</i> , 2007, 83, 269-278.	1.0	9
92	Alterations of Sertoli cell activity in the long-term testicular germ cell death process induced by fetal androgen disruption. <i>Journal of Endocrinology</i> , 2007, 196, 21-31.	1.2	24
93	SIRNA-Directed In Vivo Silencing of Androgen Receptor Inhibits the Growth of Castration-Resistant Prostate Carcinomas. <i>PLoS ONE</i> , 2007, 2, e1006.	1.1	52
94	Endocrinology & Metabolism News, August 2005. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 17a-17a.	1.8	8
95	Androgens and Postmeiotic Germ Cells Regulate Claudin-11 Expression in Rat Sertoli Cells. <i>Endocrinology</i> , 2005, 146, 1532-1540.	1.4	80
96	The mitochondrial-dependent pathway is chronically affected in testicular germ cell death in adult rats exposed in utero to anti-androgens. <i>Journal of Endocrinology</i> , 2004, 183, 79-90.	1.2	37
97	Innate Lymphoid Cells Type 2 Attenuate Inflammatory Arthritis and Protect from Bone Destruction. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
98	Distinct Metabolism of Bone Marrow Adipocytes and their Role in Bone Metastasis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5