

# 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	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
2	Anti-inflammatory and immune-regulatory cytokines in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2019, 15, 9-17.	3.5	421
3	Resolution of inflammation by interleukin-9-producing type 2 innate lymphoid cells. <i>Nature Medicine</i> , 2017, 23, 938-944.	15.2	223
4	Blockade of receptor activator of nuclear factor- $\kappa$ B (RANKL) signaling improves hepatic insulin resistance and prevents development of diabetes mellitus. <i>Nature Medicine</i> , 2013, 19, 358-363.	15.2	211
5	Hypoxia-inducible factor-1 $\alpha$ is a critical transcription factor for IL-10-producing B cells in autoimmune disease. <i>Nature Communications</i> , 2018, 9, 251.	5.8	188
6	Osteoclast size is controlled by Fra-2 through LIF/LIF-receptor signalling and hypoxia. <i>Nature</i> , 2008, 454, 221-225.	13.7	177
7	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
8	T Cell Costimulation Molecules CD80/86 Inhibit Osteoclast Differentiation by Inducing the IDO/Tryptophan Pathway. <i>Science Translational Medicine</i> , 2014, 6, 235ra60.	5.8	150
9	Microbiota from Obese Mice Regulate Hematopoietic Stem Cell Differentiation by Altering the Bone Niche. <i>Cell Metabolism</i> , 2015, 22, 886-894.	7.2	148
10	Directed differentiation of hematopoietic precursors and functional osteoclasts from human ES and iPS cells. <i>Blood</i> , 2010, 115, 2769-2776.	0.6	135
11	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
12	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
13	Th2 and eosinophil responses suppress inflammatory arthritis. <i>Nature Communications</i> , 2016, 7, 11596.	5.8	98
14	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
15	Novel approaches to target the microenvironment of bone metastasis. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 488-505.	12.5	91
16	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
17	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
18	Androgens and Postmeiotic Germ Cells Regulate Claudin-11 Expression in Rat Sertoli Cells. <i>Endocrinology</i> , 2005, 146, 1532-1540.	1.4	80

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19	The Nuclear Receptor Nr4a1 Mediates Anti-Inflammatory Effects of Apoptotic Cells. <i>Journal of Immunology</i> , 2014, 192, 4852-4858.	0.4	70
20	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
21	FOSL2 promotes leptin gene expression in human and mouse adipocytes. <i>Journal of Clinical Investigation</i> , 2012, 122, 1010-1021.	3.9	67
22	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
23	Regulation of osteosarcoma cell lung metastasis by the c-Fos/AP-1 target FGFR1. <i>Oncogene</i> , 2016, 35, 2852-2861.	2.6	63
24	How Autoantibodies Regulate Osteoclast Induced Bone Loss in Rheumatoid Arthritis. <i>Frontiers in Immunology</i> , 2019, 10, 1483.	2.2	59
25	T Regulatory Cells in Bone Remodelling. <i>Current Osteoporosis Reports</i> , 2017, 15, 121-125.	1.5	57
26	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
27	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
28	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
29	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
30	Fra-2/AP-1 controls adipocyte differentiation and survival by regulating PPAR $\gamma$ 3 and hypoxia. <i>Cell Death and Differentiation</i> , 2014, 21, 655-664.	5.0	46
31	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
32	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
33	High fat diet increases melanoma cell growth in the bone marrow by inducing osteopontin and interleukin 6. <i>Oncotarget</i> , 2016, 7, 26653-26669.	0.8	40
34	Galectin-3 as a novel regulator of osteoblast-osteoclast interaction and bone homeostasis. <i>Bone</i> , 2017, 105, 35-41.	1.4	38
35	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
36	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

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37	Age-associated B cells contribute to the pathogenesis of rheumatoid arthritis by inducing activation of fibroblast-like synoviocytes via TNF- $\alpha$ -mediated ERK1/2 and JAK-STAT1 pathways. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1504-1514.	0.5	36
38	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
39	Latest perspectives on macrophages in bone homeostasis. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 517-525.	1.3	28
40	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
41	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
42	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
43	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
44	Intratumor Heterogeneity Correlates With Reduced Immune Activity and Worse Survival in Melanoma Patients. <i>Frontiers in Oncology</i> , 2020, 10, 596493.	1.3	24
45	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
46	In Vivo Models of Rheumatoid Arthritis. <i>Methods in Molecular Biology</i> , 2019, 1914, 269-280.	0.4	21
47	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
48	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
49	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
50	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
51	Osteoprotective action of low-salt diet requires myeloid cell-derived NFAT5. <i>JCI Insight</i> , 2019, 4, .	2.3	16
52	Changes in mechanical loading affect arthritis-induced bone loss in mice. <i>Bone</i> , 2020, 131, 115149.	1.4	14
53	Hypoxia-Inducible Factors Regulate Osteoclasts in Health and Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 658893.	1.8	14
54	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

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55	Hypoxia Promotes Neutrophil Survival After Acute Myocardial Infarction. <i>Frontiers in Immunology</i> , 2022, 13, 726153.	2.2	14
56	Inhibition of Osteoarthritis by Adipose-Derived Stromal Cells Overexpressing Fra-1 in Mice. <i>Arthritis and Rheumatology</i> , 2016, 68, 138-151.	2.9	13
57	Fra-2/AP-1 regulates melanoma cell metastasis by downregulating Fam212b. <i>Cell Death and Differentiation</i> , 2021, 28, 1364-1378.	5.0	13
58	Rheumatoid arthritis and osteoimmunology: The adverse impact of a deregulated immune system on bone metabolism. <i>Bone</i> , 2022, 162, 116468.	1.4	13
59	Fra-2 Expression in Osteoblasts Regulates Systemic Inflammation and Lung Injury through Osteopontin. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	10
60	Binding Immunoglobulin Protein (BIP) Inhibits TNF-Induced Osteoclast Differentiation and Systemic Bone Loss in an Erosive Arthritis Model. <i>ACR Open Rheumatology</i> , 2019, 1, 382-393.	0.9	10
61	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
62	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
63	Estrogen-mediated downregulation of HIF-1 $\beta$ signaling in B lymphocytes influences postmenopausal bone loss. <i>Bone Research</i> , 2022, 10, 15.	5.4	10
64	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
65	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
66	Endocrinology & Metabolism News, August 2005. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 17a-17a.	1.8	8
67	Epigenetic basis of oncogenic-Kras-mediated epithelial-cellular proliferation and plasticity. <i>Developmental Cell</i> , 2022, 57, 310-328.e9.	3.1	6
68	Systemic PPAR $\gamma$ 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
69	Distinct Metabolism of Bone Marrow Adipocytes and their Role in Bone Metastasis. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	5
70	Removing the Bone Brake. <i>Cell Metabolism</i> , 2014, 20, 394-395.	7.2	4
71	Apremilast inhibits inflammatory osteoclastogenesis. <i>Rheumatology</i> , 2021, 61, 452-461.	0.9	4
72	Epithelial HIF2 $\alpha$ expression induces intestinal barrier dysfunction and exacerbation of arthritis. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1119-1130.	0.5	4

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73	Mechanism of Regulation of Adipocyte Numbers in Adult Organisms Through Differentiation and Apoptosis Homeostasis. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	3
74	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
75	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
76	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
77	New insights into the key role of HIF-1 $\pm$ in IL-10-producing B cells. <i>Cell Stress</i> , 2018, 2, 94-95.	1.4	3
78	Machine Learning Algorithms for Early Detection of Bone Metastases in an Experimental Rat Model. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	3
79	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
80	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
81	Non-Invasive Characterization of Experimental Bone Metastasis in Obesity Using Multiparametric MRI and PET/CT. <i>Cancers</i> , 2022, 14, 2482.	1.7	2
82	A6.4 $\hat{\epsilon}$ ...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
83	AB0046 $\hat{\epsilon}$ ...Metabolism and osteoarthritis are linked by adipokines. , 2017, , .		1
84	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
85	Systemic versus local adipokine expression differs in a combined obesity and osteoarthritis mouse model. <i>Scientific Reports</i> , 2021, 11, 17001.	1.6	1
86	Osteoimmunology. , 2015, , 165-168.		1
87	A4.9 $\hat{\epsilon}$ ...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
88	An integrative cross-tumors approach identifies FOSL1 as an oncogene dependency in KRAS-driven lung cancer. <i>Journal of Thoracic Oncology</i> , 2016, 11, S51.	0.5	0
89	03.01 $\hat{\epsilon}$ ...Adipokines as link between arthritis and metabolism. , 2017, , .		0
90	01.12 $\hat{\epsilon}$ ...Fra-1 transcription factor expression in macrophages foster inflammation during rheumatoid arthritis development. , 2017, , .		0

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91	01.05â€¦Regulation of arthritis by type 2 innate lymphoid cells. , 2017, , .		0
92	02.24â€¦The ap-1 transcription factor c-jun promotes arthritis by regulating cyclooxygenase-2 expression in macrophages. , 2017, , .		0
93	SAT0201â€¦Abatacept but not tnf inhibitors block autoantibody-mediated cytokine production by monocytes. , 2017, , .		0
94	SAT0318â€¦Epigenetic regulation of FRA2 by JMJD3 regulates fibroblast activation in systemic sclerosis. , 2017, , .		0
95	P086â€¦Adipocytokines linking obesity and osteoarthritis. , 2018, , .		0
96	Fra-2/AP-1 controls bone formation by regulating osteoblast differentiation and collagen production. Journal of Experimental Medicine, 2010, 207, i30-i30.	4.2	0
97	Innate Lymphoid Cells Type 2 Attenuate Inflammatory Arthritis and Protect from Bone Destruction. SSRN Electronic Journal, 0, , .	0.4	0
98	B-lymphocytes influence postmenopausal bone loss in an HIF-1a dependent signaling. Bone Reports, 2022, 16, 101397.	0.2	0