

# Bruce N Cronstein

## List of Publications by Year in descending order

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232  
papers

19,341  
citations

11651

70  
h-index

11939

134  
g-index

264  
all docs

264  
docs citations

264  
times ranked

16074  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adenosine: an endogenous regulator of innate immunity. <i>Trends in Immunology</i> , 2004, 25, 33-39.	6.8	1,042
2	Adenosine receptors: therapeutic aspects for inflammatory and immune diseases. <i>Nature Reviews Drug Discovery</i> , 2008, 7, 759-770.	46.4	990
3	A mechanism for the antiinflammatory effects of corticosteroids: the glucocorticoid receptor regulates leukocyte adhesion to endothelial cells and expression of endothelial-leukocyte adhesion molecule 1 and intercellular adhesion molecule 1.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 9991-9995.	7.1	702
4	The antiinflammatory mechanism of methotrexate. Increased adenosine release at inflamed sites diminishes leukocyte accumulation in an in vivo model of inflammation.. <i>Journal of Clinical Investigation</i> , 1993, 92, 2675-2682.	8.2	594
5	Low-Dose Methotrexate: A Mainstay in the Treatment of Rheumatoid Arthritis. <i>Pharmacological Reviews</i> , 2005, 57, 163-172.	16.0	452
6	Adenosine: a physiological modulator of superoxide anion generation by human neutrophils.. <i>Journal of Experimental Medicine</i> , 1983, 158, 1160-1177.	8.5	451
7	Synergistic Up-Regulation of Vascular Endothelial Growth Factor Expression in Murine Macrophages by Adenosine A2A Receptor Agonists and Endotoxin. <i>American Journal of Pathology</i> , 2002, 160, 2231-2244.	3.8	440
8	Adenosine: an endogenous inhibitor of neutrophil-mediated injury to endothelial cells.. <i>Journal of Clinical Investigation</i> , 1986, 78, 760-770.	8.2	386
9	Adenosine A2A Receptor Activation Promotes Wound Neovascularization by Stimulating Angiogenesis and Vasculogenesis. <i>American Journal of Pathology</i> , 2004, 164, 1887-1892.	3.8	369
10	Adenosine A2A Receptor Stimulation Increases Angiogenesis by Down-Regulating Production of the Antiangiogenic Matrix Protein Thrombospondin 1. <i>Molecular Pharmacology</i> , 2005, 67, 1406-1413.	2.3	369
11	Molecular action of methotrexate in inflammatory diseases. <i>Arthritis Research</i> , 2002, 4, 266.	2.0	368
12	The adenosine/neutrophil paradox resolved: human neutrophils possess both A1 and A2 receptors that promote chemotaxis and inhibit O2 generation, respectively.. <i>Journal of Clinical Investigation</i> , 1990, 85, 1150-1157.	8.2	349
13	Methotrexate—how does it really work?. <i>Nature Reviews Rheumatology</i> , 2010, 6, 175-178.	8.0	332
14	Methotrexate and its mechanisms of action in inflammatory arthritis. <i>Nature Reviews Rheumatology</i> , 2020, 16, 145-154.	8.0	321
15	Methotrexate inhibits neutrophil function by stimulating adenosine release from connective tissue cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 2441-2445.	7.1	317
16	Colchicine alters the quantitative and qualitative display of selectins on endothelial cells and neutrophils.. <i>Journal of Clinical Investigation</i> , 1995, 96, 994-1002.	8.2	290
17	Regulation of Inflammation by Adenosine. <i>Frontiers in Immunology</i> , 2013, 4, 85.	4.8	272
18	The Adenosine-Dependent Angiogenic Switch of Macrophages to an M2-Like Phenotype is Independent of Interleukin-4 Receptor Alpha (IL-4R $\alpha$ ) Signaling. <i>Inflammation</i> , 2013, 36, 921-931.	3.8	262

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19	Methotrexate and sulfasalazine promote adenosine release by a mechanism that requires ecto-5'-nucleotidase-mediated conversion of adenine nucleotides.. Journal of Clinical Investigation, 1998, 101, 295-300.	8.2	241
20	Methotrexate mechanism in treatment of rheumatoid arthritis. Joint Bone Spine, 2019, 86, 301-307.	1.6	239
21	The adhesion molecules of inflammation. Arthritis and Rheumatism, 1993, 36, 147-157.	6.7	238
22	Molecular therapeutics. Methotrexate and its mechanism of action. Arthritis and Rheumatism, 1996, 39, 1951-1960.	6.7	237
23	Inflammatory Cytokines Regulate Function and Expression of Adenosine A2A Receptors in Human Monocytic THP-1 Cells. Journal of Immunology, 2001, 167, 4026-4032.	0.8	223
24	The Adenosine System Selectively Inhibits TLR-Mediated TNF- $\alpha$ Production in the Human Newborn. Journal of Immunology, 2006, 177, 1956-1966.	0.8	214
25	THE MECHANISM OF ACTION OF METHOTREXATE. Rheumatic Disease Clinics of North America, 1997, 23, 739-755.	1.9	213
26	Adenosine A2A receptors play a role in the pathogenesis of hepatic cirrhosis. British Journal of Pharmacology, 2006, 148, 1144-1155.	5.4	209
27	Understanding the mechanisms of action of methotrexate: implications for the treatment of rheumatoid arthritis. Bulletin of the NYU Hospital for Joint Diseases, 2007, 65, 168-73.	0.7	209
28	The inflammatory process of gout and its treatment. Arthritis Research and Therapy, 2006, 8, S3.	3.5	203
29	Adenosine Promotes Wound Healing and Mediates Angiogenesis in Response to Tissue Injury Via Occupancy of A2A Receptors. American Journal of Pathology, 2002, 160, 2009-2018.	3.8	202
30	Transforming growth factor beta 1, a potent chemoattractant for human neutrophils, bypasses classic signal-transduction pathways.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 6805-6809.	7.1	195
31	Adenosine and adenosine receptors in the pathogenesis and treatment of rheumatic diseases. Nature Reviews Rheumatology, 2017, 13, 41-51.	8.0	189
32	Adenosine A2A or A3 receptors are required for inhibition of inflammation by methotrexate and its analog MX-68. Arthritis and Rheumatism, 2003, 48, 240-247.	6.7	187
33	Salicylates and sulfasalazine, but not glucocorticoids, inhibit leukocyte accumulation by an adenosine-dependent mechanism that is independent of inhibition of prostaglandin synthesis and p105 of NF $\kappa$ B. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 6377-6381.	7.1	185
34	Wound Healing Is Accelerated by Agonists of Adenosine A2 (G $\alpha$ s-linked) Receptors. Journal of Experimental Medicine, 1997, 186, 1615-1620.	8.5	183
35	Colchicine Use Is Associated with Decreased Prevalence of Myocardial Infarction in Patients with Gout. Journal of Rheumatology, 2012, 39, 1458-1464.	2.0	173
36	Reversal of the antiinflammatory effects of methotrexate by the nonselective adenosine receptor antagonists theophylline and caffeine: Evidence that the antiinflammatory effects of methotrexate are mediated via multiple adenosine receptors in rat adjuvant arthritis. Arthritis and Rheumatism, 2000, 43, 656.	6.7	171

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37	Adenosine signaling contributes to ethanol-induced fatty liver in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 582-594.	8.2	152
38	Atheroprotective effects of methotrexate on reverse cholesterol transport proteins and foam cell transformation in human THP-1 monocyte/macrophages. <i>Arthritis and Rheumatism</i> , 2008, 58, 3675-3683.	6.7	142
39	Wound Healing Is Impaired in MyD88-Deficient Mice. <i>American Journal of Pathology</i> , 2007, 171, 1774-1788.	3.8	139
40	Identification of C1q as the heat-labile serum cofactor required for immune complexes to stimulate endothelial expression of the adhesion molecules E-selectin and intercellular and vascular cell adhesion molecules 1.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 8378-8382.	7.1	136
41	Adenosine A1 receptor promotion of multinucleated giant cell formation by human monocytes: A mechanism for methotrexate-induced nodulosis in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1997, 40, 1308-1315.	6.7	135
42	The antiinflammatory mechanism of methotrexate depends on extracellular conversion of adenine nucleotides to adenosine by ecto-5'-nucleotidase: Findings in a study of ecto-5'-nucleotidase gene-deficient mice. <i>Arthritis and Rheumatism</i> , 2007, 56, 1440-1445.	6.7	131
43	Greater Number of Narcotic Analgesic Prescriptions for Osteoarthritis Is Associated with Falls and Fractures in Elderly Adults. <i>Journal of the American Geriatrics Society</i> , 2013, 61, 335-340.	2.6	130
44	Requirements for T Lymphocyte Migration in Explanted Lymph Nodes. <i>Journal of Immunology</i> , 2007, 178, 7747-7755.	0.8	127
45	Th1 Cytokines Regulate Adenosine Receptors and Their Downstream Signaling Elements in Human Microvascular Endothelial Cells. <i>Journal of Immunology</i> , 2003, 171, 3991-3998.	0.8	126
46	The antiinflammatory effects of an adenosine kinase inhibitor are mediated by adenosine. <i>Arthritis and Rheumatism</i> , 1995, 38, 1040-1045.	6.7	123
47	Adenosine A2A receptors in diffuse dermal fibrosis: Pathogenic role in human dermal fibroblasts and in a murine model of scleroderma. <i>Arthritis and Rheumatism</i> , 2006, 54, 2632-2642.	6.7	122
48	Effects of Acute Colchicine Administration Prior to Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008717.	3.9	115
49	Adenosine and bone metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 290-300.	7.1	110
50	Bone regeneration in critical bone defects using three-dimensionally printed $\beta$ -tricalcium phosphate/hydroxyapatite scaffolds is enhanced by coating scaffolds with either dipyridamole or BMP-2. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 366-375.	3.4	110
51	Serum complement values (C3 and C4) to differentiate between systemic lupus activity and pre-eclampsia. <i>American Journal of Medicine</i> , 1986, 81, 194-200.	1.5	109
52	Ecto-5'-nucleotidase (CD73)-mediated extracellular adenosine production plays a critical role in hepatic fibrosis. <i>FASEB Journal</i> , 2008, 22, 2263-2272.	0.5	105
53	Mechanistic Aspects of Inflammation and Clinical Management of Inflammation in Acute Gouty Arthritis. <i>Journal of Clinical Rheumatology</i> , 2013, 19, 19-29.	0.9	105
54	Adenosine promotes neutrophil chemotaxis.. <i>Journal of Experimental Medicine</i> , 1988, 167, 1186-1194.	8.5	103

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55	Metaanalysis of Methylenetetrahydrofolate Reductase (MTHFR) Polymorphisms Affecting Methotrexate Toxicity. <i>Journal of Rheumatology</i> , 2009, 36, 539-545.	2.0	100
56	Adenosine A <sub>2A</sub> Receptor Occupancy Stimulates Collagen Expression by Hepatic Stellate Cells via Pathways Involving Protein Kinase A, Src, and Extracellular Signal-Regulated Kinases 1/2 Signaling Cascade or p38 Mitogen-Activated Protein Kinase Signaling Pathway. <i>Molecular Pharmacology</i> , 2007, 72, 1626-1636.	2.3	97
57	CD4+CD25+ regulatory T cells suppress contact hypersensitivity reactions through a CD39, adenosine-dependent mechanism. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, 1287-1296.e2.	2.9	96
58	Adenosine receptor activation ameliorates type 1 diabetes. <i>FASEB Journal</i> , 2007, 21, 2379-2388.	0.5	93
59	Endogenous adenosine maintains cartilage homeostasis and exogenous adenosine inhibits osteoarthritis progression. <i>Nature Communications</i> , 2017, 8, 15019.	12.8	91
60	Adenosine receptor agonists for promotion of dermal wound healing. <i>Biochemical Pharmacology</i> , 2009, 77, 1117-1124.	4.4	90
61	Growth Hormone Control of Hepatic Lipid Metabolism. <i>Diabetes</i> , 2016, 65, 3598-3609.	0.6	90
62	Adenosine A <sub>2</sub> Receptor Occupancy Regulates Stimulated Neutrophil Function via Activation of a Serine/Threonine Protein Phosphatase. <i>Journal of Biological Chemistry</i> , 1996, 271, 17114-17118.	3.4	88
63	Nonsteroidal antiinflammatory agents inhibit stimulated neutrophil adhesion to endothelium: Adenosine dependent and independent mechanisms. <i>Inflammation</i> , 1994, 18, 323-335.	3.8	84
64	Adenosine A <sub>2A</sub> Receptor Ligation Inhibits Osteoclast Formation. <i>American Journal of Pathology</i> , 2012, 180, 775-786.	3.8	83
65	Direct or indirect stimulation of adenosine A <sub>2A</sub> receptors enhances bone regeneration as well as bone morphogenetic protein <sup>2</sup> . <i>FASEB Journal</i> , 2015, 29, 1577-1590.	0.5	81
66	Adenosine A <sub>1</sub> receptors regulate bone resorption in mice: Adenosine A <sub>1</sub> receptor blockade or deletion increases bone density and prevents ovariectomy-induced bone loss in adenosine A <sub>1</sub> receptor knockout mice. <i>Arthritis and Rheumatism</i> , 2010, 62, 534-541.	6.7	79
67	Adenosine A <sub>2A</sub> receptors play an active role in mouse bone marrow-derived mesenchymal stem cell development. <i>Journal of Leukocyte Biology</i> , 2009, 85, 438-444.	3.3	77
68	Adenosine A <sub>1</sub> receptors (A <sub>1</sub> Rs) play a critical role in osteoclast formation and function. <i>FASEB Journal</i> , 2010, 24, 2325-2333.	0.5	73
69	Activation of adenosine A <sub>2A</sub> receptor reduces osteoclast formation via PKA and ERK1/2-mediated suppression of NF- $\kappa$ B nuclear translocation. <i>British Journal of Pharmacology</i> , 2013, 169, 1372-1388.	5.4	72
70	Engagement of adenosine receptors inhibits hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) release by activated human neutrophils. <i>Clinical Immunology and Immunopathology</i> , 1987, 42, 76-85.	2.0	70
71	Adenosine A <sub>2A</sub> receptor occupancy stimulates expression of proteins involved in reverse cholesterol transport and inhibits foam cell formation in macrophages. <i>Journal of Leukocyte Biology</i> , 2004, 76, 727-734.	3.3	70
72	Clinical trial development for biosimilars. <i>Seminars in Arthritis and Rheumatism</i> , 2015, 44, S2-S8.	3.4	70

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73	Immune complexes and IFN- $\gamma$ decrease cholesterol 27-hydroxylase in human arterial endothelium and macrophages. <i>Journal of Lipid Research</i> , 2001, 42, 1913-1922.	4.2	70
74	Neuropeptides and inflammation. A somatostatin analog as a selective antagonist of neutrophil activation by substance P. <i>Arthritis and Rheumatism</i> , 1992, 35, 369-375.	6.7	69
75	Adenosine A <sub>2A</sub> Receptor Activation Prevents Wear Particle-Induced Osteolysis. <i>Science Translational Medicine</i> , 2012, 4, 135ra65.	12.4	68
76	Adenosine A <sub>2A</sub> receptor agonists promote more rapid wound healing than recombinant human platelet-derived growth factor (Becaplermin gel). <i>Inflammation</i> , 2002, 26, 19-24.	3.8	67
77	Tumor Necrosis Factor- $\alpha$ Prevents Desensitization of G $\beta$ $\gamma$ -Coupled Receptors by Regulating GRK2 Association with the Plasma Membrane. <i>Molecular Pharmacology</i> , 2006, 69, 1311-1319.	2.3	67
78	Three dimensionally printed bioactive ceramic scaffold osseointegration across critical-sized mandibular defects. <i>Journal of Surgical Research</i> , 2018, 223, 115-122.	1.6	67
79	International Union of Basic and Clinical Pharmacology. CXII: Adenosine Receptors: A Further Update. <i>Pharmacological Reviews</i> , 2022, 74, 340-372.	16.0	67
80	Suppression of inflammation by low-dose methotrexate is mediated by adenosine A <sub>2A</sub> receptor but not A <sub>3</sub> receptor activation in thioglycollate-induced peritonitis. <i>Arthritis Research and Therapy</i> , 2006, 8, R53.	3.5	66
81	Adenosine A <sub>2A</sub> receptor activation protects CD4 <sup>+</sup> T lymphocytes against activation-induced cell death. <i>FASEB Journal</i> , 2010, 24, 2631-2640.	0.5	66
82	Targets for Antiinflammatory Drugs. <i>Annual Review of Pharmacology and Toxicology</i> , 1995, 35, 449-462.	9.4	65
83	Purinergic signaling in scarring. <i>FASEB Journal</i> , 2016, 30, 3-12.	0.5	65
84	Adenosine regulates bone metabolism <i>via</i> A <sub>1</sub> , A <sub>2A</sub> , and A <sub>2B</sub> receptors in bone marrow cells from normal humans and patients with multiple myeloma. <i>FASEB Journal</i> , 2013, 27, 3446-3454.	0.5	64
85	Adenosine A <sub>2A</sub> receptor promotes collagen production by human fibroblasts <i>via</i> pathways involving cyclic AMP and AKT but independent of Smad2/3. <i>FASEB Journal</i> , 2014, 28, 802-812.	0.5	63
86	Apremilast, a novel phosphodiesterase 4 (PDE4) inhibitor, regulates inflammation through multiple cAMP downstream effectors. <i>Arthritis Research and Therapy</i> , 2015, 17, 249.	3.5	63
87	Unmet need in rheumatology: reports from the Targeted Therapies meeting 2019. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 88-93.	0.9	63
88	Adenosine Receptors in Wound Healing, Fibrosis and Angiogenesis. <i>Handbook of Experimental Pharmacology</i> , 2009, , 383-397.	1.8	62
89	Adenosine receptors and fibrosis: a translational review. <i>F1000 Biology Reports</i> , 2011, 3, 21.	4.0	59
90	Pharmacological Blockade of A <sub>2A</sub> Receptors Prevents Dermal Fibrosis in a Model of Elevated Tissue Adenosine. <i>American Journal of Pathology</i> , 2008, 172, 1675-1682.	3.8	58

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91	The Antiinflammatory Effects of Methotrexate are Mediated by Adenosine. <i>Advances in Experimental Medicine and Biology</i> , 1995, 370, 411-416.	1.6	57
92	Signaling pathways involving adenosine A2A and A2B receptors in wound healing and fibrosis. <i>Purinergic Signalling</i> , 2016, 12, 191-197.	2.2	55
93	Molecular mechanism of methotrexate action in inflammation. <i>Inflammation</i> , 1992, 16, 411-423.	3.8	54
94	Adenosine metabolism, immunity and joint health. <i>Biochemical Pharmacology</i> , 2018, 151, 307-313.	4.4	54
95	Regulation of Foam Cells by Adenosine. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 879-886.	2.4	51
96	Ticagrelor regulates osteoblast and osteoclast function and promotes bone formation in vivo via an adenosine-dependent mechanism. <i>FASEB Journal</i> , 2016, 30, 3887-3900.	0.5	49
97	Form and functional repair of long bone using 3D-printed bioactive scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1986-1999.	2.7	49
98	Netrin-1 Is a Critical Autocrine/Paracrine Factor for Osteoclast Differentiation. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 837-854.	2.8	48
99	Intravascular Neutrophil Activation in Systemic Lupus Erythematosus (SLE): Dissociation between Increased Expression of CD11b/CD18 and Diminished Expression of L-Selectin on Neutrophils from Patients with Active SLE. <i>Clinical Immunology and Immunopathology</i> , 1994, 71, 281-286.	2.0	46
100	Extracellular Generation of Adenosine by the Ectonucleotidases CD39 and CD73 Promotes Dermal Fibrosis. <i>American Journal of Pathology</i> , 2013, 183, 1740-1746.	3.8	46
101	Dipyridamole enhances osteogenesis of three-dimensionally printed bioactive ceramic scaffolds in calvarial defects. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 237-244.	1.7	44
102	Interleukin-6—a key mediator of systemic and local symptoms in rheumatoid arthritis. <i>Bulletin of the NYU Hospital for Joint Diseases</i> , 2007, 65 Suppl 1, S11-5.	0.7	44
103	Regulation of bone and cartilage by adenosine signaling. <i>Purinergic Signalling</i> , 2016, 12, 583-593.	2.2	43
104	Age-related changes in neutrophil structure and function. <i>Mechanisms of Ageing and Development</i> , 1992, 64, 303-313.	4.6	42
105	Adenosine A2A Receptor Blockade or Deletion Diminishes Fibrocyte Accumulation in the Skin in a Murine Model of Scleroderma, Bleomycin-induced Fibrosis. <i>Inflammation</i> , 2008, 31, 299-303.	3.8	41
106	The role of 3D printing in treating craniomaxillofacial congenital anomalies. <i>Birth Defects Research</i> , 2018, 110, 1055-1064.	1.5	40
107	Activation of EPAC1/2 is essential for osteoclast formation by modulating NF- $\kappa$ B nuclear translocation and actin cytoskeleton rearrangements. <i>FASEB Journal</i> , 2014, 28, 4901-4913.	0.5	39
108	A2A adenosine receptor stimulation decreases foam cell formation by enhancing ABCA1-dependent cholesterol efflux. <i>Journal of Leukocyte Biology</i> , 2010, 87, 683-690.	3.3	38



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109	Pharmacological blockade of adenosine A <sub>2A</sub> receptors diminishes scarring. <i>FASEB Journal</i> , 2012, 26, 4254-4263.	0.5	38
110	Adenosine A <sub>2A</sub> receptors promote collagen production by a Fli1- and CTGF-mediated mechanism. <i>Arthritis Research and Therapy</i> , 2013, 15, R58.	3.5	38
111	Interferon-gamma impedes reverse cholesterol transport and promotes foam cell transformation in THP-1 human monocytes/macrophages. <i>Medical Science Monitor</i> , 2004, 10, BR420-5.	1.1	38
112	Unmet need in rheumatology: reports from the Targeted Therapies meeting 2018. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 872-878.	0.9	36
113	Adenosine in fibrosis. <i>Modern Rheumatology</i> , 2010, 20, 114-122.	1.8	35
114	Adenosine A <sub>2A</sub> receptor (A <sub>2A</sub> R) stimulation enhances mitochondrial metabolism and mitigates reactive oxygen species-mediated mitochondrial injury. <i>FASEB Journal</i> , 2020, 34, 5027-5045.	0.5	35
115	Adenosine A <sub>2a</sub> Receptor Blockade Diminishes Wnt/ $\beta$ -Catenin Signaling in a Murine Model of Bleomycin-Induced Dermal Fibrosis. <i>American Journal of Pathology</i> , 2017, 187, 1935-1944.	3.8	33
116	Repair of Critical-Sized Long Bone Defects Using Dipyridamole-Augmented 3D-Printed Bioactive Ceramic Scaffolds. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2499-2507.	2.3	33
117	Adenosine Modulates the Generation of Superoxide Anion by Stimulated Human Neutrophils via Interaction with a Specific Cell Surface Receptor. <i>Annals of the New York Academy of Sciences</i> , 1985, 451, 291-301.	3.8	32
118	Adenosine A <sub>2B</sub> receptors play an important role in bone homeostasis. <i>Purinergic Signalling</i> , 2016, 12, 537-547.	2.2	32
119	The antiviral drug tenofovir, an inhibitor of Pannexin-1-mediated ATP release, prevents liver and skin fibrosis by downregulating adenosine levels in the liver and skin. <i>PLoS ONE</i> , 2017, 12, e0188135.	2.5	32
120	Adenosine A <sub>2A</sub> receptor (A <sub>2A</sub> R) is a fine-tune regulator of the collagen1:collagen3 balance. <i>Purinergic Signalling</i> , 2013, 9, 573-583.	2.2	30
121	Adenosine-Functionalized Biodegradable PLA-b-PEG Nanoparticles Ameliorate Osteoarthritis in Rats. <i>Scientific Reports</i> , 2019, 9, 7430.	3.3	30
122	Bone Tissue Engineering in the Growing Calvaria Using Dipyridamole-Coated, Three-Dimensionally-Printed Bioceramic Scaffolds: Construct Optimization and Effects on Cranial Suture Patency. <i>Plastic and Reconstructive Surgery</i> , 2020, 145, 337e-347e.	1.4	30
123	Outcomes related to methotrexate dose and route of administration in patients with rheumatoid arthritis: a systematic literature review. <i>Clinical and Experimental Rheumatology</i> , 2015, 33, 272-8.	0.8	30
124	A BRIEF COMMUNICATION. <i>Experimental Biology and Medicine</i> , 2009, 234, 354-360.	2.4	29
125	Adenosine A <sub>2A</sub> receptor promotes collagen type III synthesis via $\beta$ -catenin activation in human dermal fibroblasts. <i>British Journal of Pharmacology</i> , 2016, 173, 3279-3291.	5.4	29
126	Augmented Th17 Differentiation Leads to Cutaneous and Synovial Enteseal Inflammation in a Novel Model of Psoriatic Arthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 855-867.	5.6	29



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127	Adenosine A <sub>2A</sub> receptor (A2AR) stimulation modulates expression of semaphorins 4D and 3A, regulators of bone homeostasis. <i>FASEB Journal</i> , 2018, 32, 3487-3501.	0.5	29
128	Dipyridamole-loaded 3D-printed bioceramic scaffolds stimulate pediatric bone regeneration in vivo without disruption of craniofacial growth through facial maturity. <i>Scientific Reports</i> , 2019, 9, 18439.	3.3	29
129	Adenosine in fibrosis. <i>Modern Rheumatology</i> , 2010, 20, 114-122.	1.8	29
130	Adenosine A2A receptor plays an important role in radiation-induced dermal injury. <i>FASEB Journal</i> , 2016, 30, 457-465.	0.5	28
131	Genetically based resistance to the antiinflammatory effects of methotrexate in the air-pouch model of acute inflammation. <i>Arthritis and Rheumatism</i> , 2005, 52, 2567-2575.	6.7	27
132	Biosimilars: The debate continues. <i>Arthritis and Rheumatism</i> , 2011, 63, 2848-2850.	6.7	27
133	Adenosine A2A Receptor and TNF- $\alpha$ Regulate the Circadian Machinery of the Human Monocytic THP-1 Cells. <i>Inflammation</i> , 2013, 36, 152-162.	3.8	27
134	Netrin-1 is highly expressed and required in inflammatory infiltrates in wear particle-induced osteolysis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1706-1713.	0.9	26
135	Tenofovir Causes Bone Loss via Decreased Bone Formation and Increased Bone Resorption, Which Can Be Counteracted by Dipyridamole in Mice. <i>Journal of Bone and Mineral Research</i> , 2019, 34, 923-938.	2.8	26
136	Netrin-1 and its receptor Unc5b are novel targets for the treatment of inflammatory arthritis. <i>FASEB Journal</i> , 2016, 30, 3835-3844.	0.5	25
137	Local delivery of adenosine receptor agonists to promote bone regeneration and defect healing. <i>Advanced Drug Delivery Reviews</i> , 2019, 146, 240-247.	13.7	25
138	Adenosine Receptors and Wound Healing. <i>Scientific World Journal</i> , The, 2004, 4, 1-8.	2.1	24
139	Cyclooxygenase-2-selective inhibitors: translating pharmacology into clinical utility.. <i>Cleveland Clinic Journal of Medicine</i> , 2002, 69, S113-S113.	1.3	23
140	Plasma from systemic lupus patients compromises cholesterol homeostasis: a potential mechanism linking autoimmunity to atherosclerotic cardiovascular disease. <i>Rheumatology International</i> , 2010, 30, 591-598.	3.0	22
141	Ecto-5 $\alpha$ -nucleotidase (CD73) regulates bone formation and remodeling during intramembranous bone repair in aging mice. <i>Tissue and Cell</i> , 2017, 49, 545-551.	2.2	22
142	Dipyridamole Augments Three-Dimensionally Printed Bioactive Ceramic Scaffolds to Regenerate Craniofacial Bone. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 1408-1419.	1.4	22
143	Rolofylline, an adenosine A <sub>1</sub> receptor antagonist, inhibits osteoclast differentiation as an inverse agonist. <i>British Journal of Pharmacology</i> , 2013, 170, 1167-1176.	5.4	21
144	Regeneration of a Pediatric Alveolar Cleft Model Using Three-Dimensionally Printed Bioceramic Scaffolds and Osteogenic Agents: Comparison of Dipyridamole and rhBMP-2. <i>Plastic and Reconstructive Surgery</i> , 2019, 144, 358-370.	1.4	21

#	ARTICLE	IF	CITATIONS
145	TSG-6, a glycoprotein associated with arthritis, and its ligand hyaluronan exert opposite effects in a murine model of inflammation. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 431, R225-R226.	2.8	20
146	Preparedness of the CTSA's Structural and Scientific Assets to Support the Mission of the National Center for Advancing Translational Sciences (NCATS). <i>Clinical and Translational Science</i> , 2012, 5, 121-129.	3.1	20
147	Promotion of Wound Healing by an Agonist of Adenosine A2A Receptor Is Dependent on Tissue Plasminogen Activator. <i>Inflammation</i> , 2015, 38, 2036-2041.	3.8	20
148	Brief Report: Methotrexate Prevents Wear Particle-Induced Inflammatory Osteolysis in Mice Via Activation of Adenosine A <sub>2A</sub> Receptor. <i>Arthritis and Rheumatology</i> , 2015, 67, 849-855.	5.6	20
149	Adenosine in inflammatory joint diseases. <i>Purinergic Signalling</i> , 2007, 3, 145-152.	2.2	19
150	Ecto-5'-Nucleotidase (Cd73)-Mediated Extracellular Adenosine Production Plays a Critical Role in Hepatic Fibrosis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008, 27, 821-824.	1.1	19
151	Purinergic mechanisms in inflammation. <i>Drug Development Research</i> , 1996, 39, 426-435.	2.9	18
152	Adenosine A2A receptor signaling promotes FoxO associated autophagy in chondrocytes. <i>Scientific Reports</i> , 2021, 11, 968.	3.3	18
153	Occupancy of adenosine receptors on human neutrophils inhibits respiratory burst stimulated by ingestion of complement-coated particles and occupancy of chemoattractant but not Fc receptors. <i>Inflammation</i> , 1989, 13, 591-599.	3.8	16
154	Adenosine A <sub>2A</sub> receptor (A2AR) activation triggers Akt signaling and enhances nuclear localization of $\beta$ -catenin in osteoblasts. <i>FASEB Journal</i> , 2019, 33, 7555-7562.	0.5	16
155	An Interaction Between Genetic Factors and Gender Determines the Magnitude of the Inflammatory Response in the Mouse Air Pouch Model of Acute Inflammation. <i>Inflammation</i> , 2005, 29, 1-7.	3.8	15
156	Caffeine, a drug for all seasons. <i>Journal of Hepatology</i> , 2010, 53, 207-208.	3.7	14
157	Cholesterol 27-Hydroxylase but Not Apolipoprotein apoE Contributes to A2A Adenosine Receptor Stimulated Reverse Cholesterol Transport. <i>Inflammation</i> , 2012, 35, 49-57.	3.8	14
158	The Role of Adenosine Receptor Activation in Attenuating Cartilaginous Inflammation. <i>Inflammation</i> , 2018, 41, 1135-1141.	3.8	14
159	Signaling of the Purinergic System in the Joint. <i>Frontiers in Pharmacology</i> , 2019, 10, 1591.	3.5	14
160	Self-assembling human skeletal organoids for disease modeling and drug testing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 871-884.	3.4	14
161	Adenosine A1 receptor promotion of multinucleated giant cell formation by human monocytes. A mechanism for methotrexate-induced nodulosis in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 1997, 40, 1308-1315.	6.7	13
162	The Effect of A2A Adenosine Receptor Activation on C-C Chemokine Receptor 7 Expression in Human THP1 Macrophages During Inflammation. <i>Inflammation</i> , 2012, 35, 614-622.	3.8	13

#	ARTICLE	IF	CITATIONS
163	Methylxanthines and Inflammatory Cells. Handbook of Experimental Pharmacology, 2011, , 457-468.	1.8	13
164	Adenosine, a cytoprotective autocoid: effects of adenosine on neutrophil plasma membrane viscosity and chemoattractant receptor display. Biochimica Et Biophysica Acta - Biomembranes, 1989, 987, 176-180.	2.6	12
165	Transforming the Degradation Rate of $\hat{I}^2$ -tricalcium Phosphate Bone Replacement Using 3-Dimensional Printing. Annals of Plastic Surgery, 2021, 87, e153-e162.	0.9	12
166	Teaching Translational Research to Medical Students: The New York University School of Medicine's Master's of Science in Clinical Investigation Dual-Degree Program. Clinical and Translational Science, 2015, 8, 734-739.	3.1	11
167	Blockade of the Adenosine 2A Receptor Mitigates the Cardiomyopathy Induced by Loss of Plakophilin-2 Expression. Frontiers in Physiology, 2018, 9, 1750.	2.8	11
168	Pharmacogenetics in the rheumatic diseases, from pr $\hat{A}$ t- $\hat{A}$ -porter to haute couture. Nature Clinical Practice Rheumatology, 2006, 2, 2-3.	3.2	10
169	The roles of adenosine and adenosine receptors in bone remodeling. Frontiers in Bioscience - Elite, 2011, E3, 888-895.	1.8	10
170	Annexin A2-Mediated Plasminogen Activation in Endothelial Cells Contributes to the Proangiogenic Effect of Adenosine A2A Receptors. Frontiers in Pharmacology, 2021, 12, 654104.	3.5	10
171	Adenosine and Its Receptors During Inflammation. , 1999, , 259-274.		10
172	5-Aminoimidazole-4-Carboxamide-1- $\hat{I}^2$ -4-Ribofuranoside (AICA-riboside) as a Targeting Agent for Therapy of Patients With Acute Lymphoblastic Leukemia: Are We There and Are There Pitfalls?. Journal of Pediatric Hematology/Oncology, 2007, 29, 805-807.	0.6	9
173	Interferon-gamma inhibits adenosine A2A receptor function in hepatic stellate cells by STAT1-mediated repression of adenylyl cyclase. International Journal of Interferon, Cytokine and Mediator Research, 2010, 2010, 113.	1.1	9
174	Therapeutic cocktails for rheumatoid arthritis: The mixmaster's guide. Arthritis and Rheumatism, 2004, 50, 2041-2043.	6.7	8
175	Methotrexate in rheumatoid arthritis. Expert Review of Clinical Immunology, 2007, 3, 27-33.	3.0	8
176	Designing and Implementing INTREPID, an Intensive Program in Translational Research Methodologies for New Investigators. Clinical and Translational Science, 2014, 7, 493-499.	3.1	8
177	Adenosine deaminase is not required for the generation of superoxide anion. Clinical Immunology and Immunopathology, 1984, 30, 495-499.	2.0	7
178	A prize for the foreign-born. FASEB Journal, 2006, 20, 1281-1283.	0.5	7
179	Methotrexate BAFFles anti-drug antibodies. Nature Reviews Rheumatology, 2018, 14, 505-506.	8.0	7
180	ATP transporters in the joints. Purinergic Signalling, 2021, 17, 591-605.	2.2	7

#	ARTICLE	IF	CITATIONS
181	Fibroblasts from methotrexate-sensitive mice accumulate methotrexate polyglutamates but those from methotrexate-resistant mice do not. <i>Clinical and Experimental Rheumatology</i> , 2013, 31, 433-5.	0.8	7
182	Immune Responses Associated With Perioperative Exposure and Reexposure to Topical Bovine Thrombin Do Not Impair Hemostasis. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2011, 17, 620-632.	1.7	6
183	The mechanisms of methotrexate's action in the treatment of inflammatory disease. , 2000, , 65-82.		5
184	Systemic lupus erythematosus in a patient with reiter's syndrome. <i>Arthritis and Rheumatism</i> , 1983, 26, 1405-1408.	6.7	4
185	Adenosine and Host Defense. , 1990, , 475-500.		4
186	Restraint stress fails to modulate cutaneous hypersensitivity responses in mice lacking the adenosine A1 receptor. <i>Purinergic Signalling</i> , 2011, 7, 47-56.	2.2	4
187	Come from away: Best practices in mini-sabbaticals for the development of young investigators: a White Paper by the SEQUIN (mini-Sabbatical Evaluation and QUality Improvement) Group. <i>Journal of Clinical and Translational Science</i> , 2019, 3, 37-44.	0.6	4
188	Adhesion Molecules in Inflammation. <i>BioDrugs</i> , 1994, 1, 323-326.	0.7	3
189	Clinical use of methylprednisolone sodium succinate: a review. <i>Current Therapeutic Research</i> , 1995, 56, 1-15.	1.2	3
190	Bovine Thrombin and Systemic Autoimmunity. <i>American Journal of Pathology</i> , 2003, 162, 1389-1390.	3.8	3
191	A personal journey from the joint to the heart. <i>Arthritis Research and Therapy</i> , 2010, 12, 134.	3.5	3
192	Teaching Targeted Drug Discovery and Development to Healthcare Professionals. <i>Clinical and Translational Science</i> , 2018, 11, 277-282.	3.1	3
193	Tissue-engineered alloplastic scaffolds for reconstruction of alveolar defects. , 2019, , 505-520.		3
194	Adenosine A2A receptor null chondrocyte transcriptome resembles that of human osteoarthritic chondrocytes. <i>Purinergic Signalling</i> , 2021, 17, 439-448.	2.2	3
195	Ticagrelor added to methotrexate improves rheumatoid arthritis disease severity. <i>Rheumatology</i> , 2021, 60, 5473-5475.	1.9	3
196	The Vascular Endothelium. , 1999, , 13-20.		3
197	Do genetic variations in the adenosine pathway affect patient response to methotrexate?. <i>Nature Clinical Practice Rheumatology</i> , 2006, 2, 648-649.	3.2	2
198	3D Printing and Adenosine Receptor Activation for Craniomaxillofacial Regeneration. , 2019, , 255-267.		2

#	ARTICLE	IF	CITATIONS
199	Browning of adipose tissue and increased thermogenesis induced by Methotrexate. FASEB BioAdvances, 2021, 3, 877-887.	2.4	2
200	Immune Response Following Exposures to Topical Bovine Thrombin Does Not Impair Hemostasis. Blood, 2010, 116, 1401-1401.	1.4	2
201	Tissue Engineering Strategies for Craniomaxillofacial Surgery: Current Trends in 3D-Printed Bioactive Ceramic Scaffolds. Springer Series in Biomaterials Science and Engineering, 2022, , 55-74.	1.0	2
202	Correlation of the conformation of a modified ribonuclease octapeptide, homologous to peptide T, with its ability to induce CD4-dependent monocyte chemotaxis. The Protein Journal, 1992, 11, 475-481.	1.1	1
203	Adenosine mediates the antiinflammatory effects of methotrexate as well as its toxicities. Drug Development Research, 2001, 52, 394-396.	2.9	1
204	Folic acid and folinic acid supplements and methotrexate therapy: Comment on the article by Morgan et al. Arthritis and Rheumatism, 2005, 52, 1338-1339.	6.7	1
205	Do elevated red blood cell methotrexate polyglutamate levels predict methotrexate efficacy?. Nature Clinical Practice Rheumatology, 2007, 3, 256-257.	3.2	1
206	Adenosine and Inflammation. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2007, 7, 280-285.	0.5	1
207	Bovine Thrombin and the Clinical Consequence of Antibody Development. Journal of the American College of Surgeons, 2008, 206, 199.	0.5	1
208	A Public-Private Partnership: The New York University-Health and Hospitals Corporation Clinical and Translational Science Institute. Clinical and Translational Science, 2012, 5, 223-225.	3.1	1
209	Gerald Weissmann: Inflammation in rheumatic disease. Annals of the Rheumatic Diseases, 2020, 79, 435-436.	0.9	1
210	Netrin-1 and Its Receptors Unc5b and DCC May be Useful Targets for Preventing Multiple Myeloma Bone Lesions. Blood, 2015, 126, 1815-1815.	1.4	1
211	Profiling Clinical Research Activity at an Academic Medical Center by Using Institutional Databases: Content Analysis. JMIR Public Health and Surveillance, 2020, 6, e12813.	2.6	1
212	Something old, something new--colchicine in the 21st century. Current Opinion in Investigational Drugs, 2009, 10, 1141-2.	2.3	1
213	Antifolate effect of methotrexate: Comment on the article by cronstein. Arthritis and Rheumatism, 1997, 40, 1545-1546.	6.7	0
214	Millennial rheumatology. Current Rheumatology Reports, 1999, 1, 1-2.	4.7	0
215	Immunology for the rheumatologist. Rheumatic Disease Clinics of North America, 2004, 30, ix-x.	1.9	0
216	Response to RFP: "Rigorous Test of Intelligent Design". FASEB Journal, 2005, 19, 1936-1937.	0.5	0

#	ARTICLE	IF	CITATIONS
217	Immunomodulating pharmaceuticals. , 2008, , 1331-1339.		0
218	Rheumatoid arthritis: GWAS or TMI?. Genome Medicine, 2009, 1, 98.	8.2	0
219	Interest in Conflicts. Clinical and Translational Science, 2010, 3, 52-53.	3.1	0
220	Adenosine Receptors: Therapeutic Aspects for Inflammatory and Immune Diseases. , 0, , 186-197.		0
221	Drs. Fisher and Cronstein reply. Journal of Rheumatology, 2010, 37, 1065.1-1065.	2.0	0
222	OPO186â€¦Tenofovir, a nucleoside analog reverse transcriptase inhibitor for treatment of hiv, promotes osteoclast differentiation and bone lost in vivo in a mechanism depending on atp release and adenosine, and dipyrindamole may be a useful treatment to revert the effects. , 2017, , .		0
223	MÃ©canisme dâ€™action du mÃ©thotrexate dans le traitement de la polyarthrite rhumatoÃ¯de. Revue Du Rhumatisme (Edition Francaise), 2020, 87, 92-98.	0.0	0
224	Anti-Inflammatory Levels of Aspirin and Salicylate Inhibit Integrin-Dependent Human Neutrophil Aggregation and PMN Influx in COX 2- and NFkB (P105)-Knockout Mice. Medical Science Symposia Series, 2001, , 149-154.	0.0	0
225	Molecular Mechanisms Involved in Adenosine Receptorâ€mediated Suppression of Foam Cell Formation. FASEB Journal, 2008, 22, 1129.21.	0.5	0
226	The Clinical Features of Gout. , 2009, , 351-354.		0
227	Adenosine Regulates Bone Metabolism Via A1, A2A and A2B Receptors in Bone Marrow Cells From Normal and Patients with Multiple Myeloma. Blood, 2012, 120, 4977-4977.	1.4	0
228	Pharmacogenomics in rheumatology. , 2015, , 406-409.		0
229	Ticagrelor Modulates Proliferation in Multiple Myeloma Via P1 and P2 Receptor-Mediated Mechanisms. Blood, 2016, 128, 5694-5694.	1.4	0
230	A tribute to Gerald Weissmann (1930â€2019). Journal of Clinical Investigation, 2019, 129, 4553-4555.	8.2	0
231	SLE and purine metabolizing ecto-enzymes. EBioMedicine, 2021, 74, 103688.	6.1	0
232	The benefits and drawbacks of biosimilars. Clinical Advances in Hematology and Oncology, 2015, 13, 639-41.	0.3	0