

Rainer H Straub

List of Publications by Year in descending order

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Version: 2024-02-01

264
papers

13,141
citations

20817

60
h-index

31849

101
g-index

277
all docs

277
docs citations

277
times ranked

13600
citing authors

#	ARTICLE	IF	CITATIONS
1	The Complex Role of Estrogens in Inflammation. <i>Endocrine Reviews</i> , 2007, 28, 521-574.	20.1	1,466
2	Blockade of TNF- α rapidly inhibits pain responses in the central nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3731-3736.	7.1	308
3	Glucocorticoids in the treatment of rheumatic diseases: An update on the mechanisms of action. <i>Arthritis and Rheumatism</i> , 2004, 50, 3408-3417.	6.7	294
4	The sympathetic nervous response in inflammation. <i>Arthritis Research and Therapy</i> , 2014, 16, 504.	3.5	273
5	The loss of sympathetic nerve fibers in the synovial tissue of patients with rheumatoid arthritis is accompanied by increased norepinephrine release from synovial macrophages. <i>FASEB Journal</i> , 2000, 14, 2097-2107.	0.5	260
6	Estrogens and Autoimmune Diseases. <i>Annals of the New York Academy of Sciences</i> , 2006, 1089, 538-547.	3.8	250
7	Norepinephrine, the β^2 -Adrenergic Receptor, and Immunity. <i>Brain, Behavior, and Immunity</i> , 2002, 16, 290-332.	4.1	247
8	Circadian rhythms in rheumatoid arthritis: Implications for pathophysiology and therapeutic management. <i>Arthritis and Rheumatism</i> , 2007, 56, 399-408.	6.7	235
9	Involvement of the hypothalamic-pituitary-adrenal/gonadal axis and the peripheral nervous system in rheumatoid arthritis: Viewpoint based on a systemic pathogenetic role. <i>Arthritis and Rheumatism</i> , 2001, 44, 493-507.	6.7	214
10	Inadequately low serum levels of steroid hormones in relation to interleukin-6 and tumor necrosis factor in untreated patients with early rheumatoid arthritis and reactive arthritis. <i>Arthritis and Rheumatism</i> , 2002, 46, 654-662.	6.7	171
11	STRESS AND RHEUMATIC DISEASES. <i>Rheumatic Disease Clinics of North America</i> , 2000, 26, 737-763.	1.9	154
12	How psychological stress via hormones and nerve fibers may exacerbate rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2005, 52, 16-26.	6.7	152
13	Dialogue between the CNS and the immune system in lymphoid organs. <i>Trends in Immunology</i> , 1998, 19, 409-413.	7.5	145
14	An opposing time-dependent immune-modulating effect of the sympathetic nervous system conferred by altering the cytokine profile in the local lymph nodes and spleen of mice with type II collagen-induced arthritis. <i>Arthritis and Rheumatism</i> , 2005, 52, 1305-1313.	6.7	133
15	Chronic inflammatory systemic diseases – an evolutionary trade-off between acutely beneficial but chronically harmful programs. <i>Evolution, Medicine and Public Health</i> , 2016, 2016, eow001.	2.5	133
16	Relevance of Neuropeptide Y for the neuroimmune crosstalk. <i>Journal of Neuroimmunology</i> , 2003, 134, 1-11.	2.3	130
17	Neurotransmitters of the sympathetic nerve terminal are powerful chemoattractants for monocytes. <i>Journal of Leukocyte Biology</i> , 2000, 67, 553-558.	3.3	124
18	Role of peripheral nerve fibres in acute and chronic inflammation in arthritis. <i>Nature Reviews Rheumatology</i> , 2013, 9, 117-126.	8.0	122

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19	Restoring the Balance of the Autonomic Nervous System as an Innovative Approach to the Treatment of Rheumatoid Arthritis. <i>Molecular Medicine</i> , 2011, 17, 937-948.	4.4	121
20	Complexity of the bi-directional neuroimmune junction in the spleen. <i>Trends in Pharmacological Sciences</i> , 2004, 25, 640-646.	8.7	116
21	Sex differences in a transgenic rat model of Huntington's disease: decreased 17 β -estradiol levels correlate with reduced numbers of DARPP32+ neurons in males. <i>Human Molecular Genetics</i> , 2008, 17, 2595-2609.	2.9	114
22	Circadian rhythms in arthritis: Hormonal effects on the immune/inflammatory reaction. <i>Autoimmunity Reviews</i> , 2008, 7, 223-228.	5.8	108
23	Increased estrogen formation and estrogen to androgen ratio in the synovial fluid of patients with rheumatoid arthritis. <i>Journal of Rheumatology</i> , 2003, 30, 2597-605.	2.0	108
24	Immune status and risk for infection in patients receiving chronic immunosuppressive therapy. <i>Journal of Rheumatology</i> , 2005, 32, 1473-80.	2.0	108
25	Uncoupling of the sympathetic nervous system and the hypothalamic-pituitary-adrenal axis in inflammatory bowel disease?. <i>Journal of Neuroimmunology</i> , 2002, 126, 116-125.	2.3	106
26	μ -Endorphin, Met-enkephalin and corresponding opioid receptors within synovium of patients with joint trauma, osteoarthritis and rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2007, 66, 871-879.	0.9	105
27	The brain and immune system prompt energy shortage in chronic inflammation and ageing. <i>Nature Reviews Rheumatology</i> , 2017, 13, 743-751.	8.0	104
28	Glucocorticoids and chronic inflammation. <i>Rheumatology</i> , 2016, 55, ii6-ii14.	1.9	102
29	Catecholamine-producing cells in the synovial tissue during arthritis: modulation of sympathetic neurotransmitters as new therapeutic target. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 1853-1860.	0.9	101
30	Stress as a Risk Factor in the Pathogenesis of Rheumatoid Arthritis. <i>NeuroImmunoModulation</i> , 2006, 13, 277-282.	1.8	100
31	Estrogen metabolism and autoimmunity. <i>Autoimmunity Reviews</i> , 2012, 11, A460-A464.	5.8	100
32	Increased prevalence of semaphorin 3C, a repellent of sympathetic nerve fibers, in the synovial tissue of patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2004, 50, 1156-1163.	6.7	95
33	Evolutionary medicine and chronic inflammatory state-known and new concepts in pathophysiology. <i>Journal of Molecular Medicine</i> , 2012, 90, 523-534.	3.9	93
34	Association of humoral markers of inflammation and dehydroepiandrosterone sulfate or cortisol serum levels in patients with chronic inflammatory bowel disease. <i>American Journal of Gastroenterology</i> , 1998, 93, 2197-2202.	0.4	91
35	The process of aging changes the interplay of the immune, endocrine and nervous systems. <i>Mechanisms of Ageing and Development</i> , 2001, 122, 1591-1611.	4.6	89
36	Postnatal Lipopolysaccharide-Induced Illness Predisposes to Periodontal Disease in Adulthood. <i>Brain, Behavior, and Immunity</i> , 2002, 16, 421-438.	4.1	87

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37	Exogenous and endogenous glucocorticoids in rheumatic diseases. <i>Arthritis and Rheumatism</i> , 2011, 63, 1-9.	6.7	87
38	Integrins and their ligands in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2011, 13, 244.	3.5	85
39	Interaction of the endocrine system with inflammation: a function of energy and volume regulation. <i>Arthritis Research and Therapy</i> , 2014, 16, 203.	3.5	85
40	Low density of sympathetic nerve fibers relative to substance P-positive nerve fibers in lesional skin of chronic pruritus and prurigo nodularis. <i>Journal of Dermatological Science</i> , 2010, 58, 193-197.	1.9	84
41	The immunomodulatory effects of estrogens. <i>Annals of the New York Academy of Sciences</i> , 2010, 1193, 36-42.	3.8	83
42	Evolutionary medicine and bone loss in chronic inflammatory diseases—A theory of inflammation-related osteopenia. <i>Seminars in Arthritis and Rheumatism</i> , 2015, 45, 220-228.	3.4	81
43	Synovial fluid estrogens in rheumatoid arthritis. <i>Autoimmunity Reviews</i> , 2004, 3, 193-198.	5.8	80
44	Integrated evolutionary, immunological, and neuroendocrine framework for the pathogenesis of chronic disabling inflammatory diseases. <i>FASEB Journal</i> , 2003, 17, 2176-2183.	0.5	79
45	Neuroendocrine-immune interactions in synovitis. <i>Nature Clinical Practice Rheumatology</i> , 2007, 3, 627-634.	3.2	78
46	Association of Esophageal Dysfunction and Pulmonary Function Impairment in Systemic Sclerosis. <i>American Journal of Gastroenterology</i> , 1998, 93, 341-345.	0.4	75
47	Anti-inflammatory cooperativity of corticosteroids and norepinephrine in rheumatoid arthritis synovial tissue in vivo and in vitro. <i>FASEB Journal</i> , 2002, 16, 993-1000.	0.5	73
48	Absence of substance P and the sympathetic nervous system impact on bone structure and chondrocyte differentiation in an adult model of endochondral ossification. <i>Matrix Biology</i> , 2014, 38, 22-35.	3.6	73
49	Anti-inflammatory effects of N-acyl ethanolamines in rheumatoid arthritis synovial cells are mediated by TRPV1 and TRPA1 in a COX-2 dependent manner. <i>Arthritis Research and Therapy</i> , 2015, 17, 321.	3.5	72
50	Reduced capacity for the reactivation of glucocorticoids in rheumatoid arthritis synovial cells: Possible role of the sympathetic nervous system?. <i>Arthritis and Rheumatism</i> , 2005, 52, 1711-1720.	6.7	70
51	Role of neuroendocrine and neuroimmune mechanisms in chronic inflammatory rheumatic diseases—The 10-year update. <i>Seminars in Arthritis and Rheumatism</i> , 2013, 43, 392-404.	3.4	69
52	Via β -adrenoceptors, stimulation of extrasplenic sympathetic nerve fibers inhibits lipopolysaccharide-induced TNF secretion in perfused rat spleen. <i>Journal of Neuroimmunology</i> , 2003, 145, 77-85.	2.3	68
53	Sympathetic Neurotransmitters in Joint Inflammation. <i>Rheumatic Disease Clinics of North America</i> , 2005, 31, 43-59.	1.9	68
54	Cannabinoid-based drugs targeting CB1 and TRPV1, the sympathetic nervous system, and arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 226.	3.5	68

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55	Association of autonomic nervous hyperreflexia and systemic inflammation in patients with Crohn's disease and ulcerative colitis. <i>Journal of Neuroimmunology</i> , 1997, 80, 149-157.	2.3	66
56	Neuropeptide Y Cotransmission with Norepinephrine in the Sympathetic Nerve-Macrophage Interplay. <i>Journal of Neurochemistry</i> , 2008, 75, 2464-2471.	3.9	66
57	Sex steroids and autoimmune rheumatic diseases: state of the art. <i>Nature Reviews Rheumatology</i> , 2020, 16, 628-644.	8.0	66
58	Preponderance of sensory versus sympathetic nerve fibers and increased cellularity in the infrapatellar fat pad in anterior knee pain patients after primary arthroplasty. <i>Journal of Orthopaedic Research</i> , 2008, 26, 342-350.	2.3	64
59	Circadian Rhythms. <i>Annals of the New York Academy of Sciences</i> , 2006, 1069, 289-299.	3.8	63
60	More sympathy for autoimmunity with neuropeptide Y?. <i>Trends in Immunology</i> , 2004, 25, 508-512.	6.8	62
61	Neuronally released sympathetic neurotransmitters stimulate splenic interferon γ secretion from T cells in early type II collagen-induced arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 3450-3460.	6.7	62
62	Insulin resistance, selfish brain, and selfish immune system: an evolutionarily positively selected program used in chronic inflammatory diseases. <i>Arthritis Research and Therapy</i> , 2014, 16, S4.	3.5	62
63	Psychoneuroimmunology developments in stress research. <i>Wiener Medizinische Wochenschrift</i> , 2018, 168, 76-84.	1.1	61
64	Bone Morphogenetic Protein 7 is Elevated in Patients with Chronic Liver Disease and Exerts Fibrogenic Effects on Human Hepatic Stellate Cells. <i>Digestive Diseases and Sciences</i> , 2007, 52, 3404-3415.	2.3	60
65	Disrupted brain-immune system joint communication during experimental arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 3090-3099.	6.7	60
66	Soluble neuropilin-2, a nerve repellent receptor, is increased in rheumatoid arthritis synovium and aggravates sympathetic fiber repulsion and arthritis. <i>Arthritis and Rheumatism</i> , 2009, 60, 2892-2901.	6.7	59
67	Inflammation and Sex Hormone Metabolism. <i>Annals of the New York Academy of Sciences</i> , 2006, 1069, 236-246.	3.8	58
68	Estrone/17 β -estradiol conversion to, and tumor necrosis factor inhibition by, estrogen metabolites in synovial cells of patients with rheumatoid arthritis and patients with osteoarthritis. <i>Arthritis and Rheumatism</i> , 2009, 60, 2913-2922.	6.7	58
69	Disruption of rhythms of molecular clocks in primary synovial fibroblasts of patients with osteoarthritis and rheumatoid arthritis, role of IL-1 β /TNF. <i>Arthritis Research and Therapy</i> , 2012, 14, R122.	3.5	58
70	Aromatase and regulation of the estrogen-to-androgen ratio in synovial tissue inflammation: common pathway in both sexes. <i>Annals of the New York Academy of Sciences</i> , 2014, 1317, 24-31.	3.8	58
71	Androgen conversion in osteoarthritis and rheumatoid arthritis synoviocytes--androstenedione and testosterone inhibit estrogen formation and favor production of more potent 5 α -reduced androgens. <i>Arthritis Research and Therapy</i> , 2005, 7, R938.	3.5	57
72	Circadian rhythms of nocturnal hormones in rheumatoid arthritis: translation from bench to bedside. <i>Annals of the Rheumatic Diseases</i> , 2008, 67, 905-908.	0.9	57

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73	Substance P and norepinephrine modulate murine chondrocyte proliferation and apoptosis. <i>Arthritis and Rheumatism</i> , 2012, 64, 729-739.	6.7	57
74	Neuronal Regulation of Interleukin 6 Secretion in Murine Spleen: Adrenergic and Opioidergic Control. <i>Journal of Neurochemistry</i> , 1997, 68, 1633-1639.	3.9	56
75	Effects of Testosterone, 17beta-Estradiol, and Downstream Estrogens on Cytokine Secretion from Human Leukocytes in the Presence and Absence of Cortisol. <i>Annals of the New York Academy of Sciences</i> , 2006, 1069, 168-182.	3.8	56
76	Function of the sympathetic supply in acute and chronic experimental joint inflammation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014, 182, 55-64.	2.8	56
77	Marbostat-100 Defines a New Class of Potent and Selective Antiinflammatory and Antirheumatic Histone Deacetylase 6 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3454-3477.	6.4	56
78	An early sympathetic nervous system influence exacerbates collagen α 1-induced arthritis via CD4+CD25+ cells. <i>Arthritis and Rheumatism</i> , 2008, 58, 2347-2355.	6.7	55
79	Circadian rhythms in rheumatology - a glucocorticoid perspective. <i>Arthritis Research and Therapy</i> , 2014, 16, S3.	3.5	55
80	Reduced tissue immigration of monocytes by neuropeptide Y during endotoxemia is associated with Y2 receptor activation. <i>Journal of Neuroimmunology</i> , 2004, 155, 1-12.	2.3	54
81	Dehydroepiandrosterone in relation to other adrenal hormones during an acute inflammatory stressful disease state compared with chronic inflammatory disease: role of interleukin-6 and tumour necrosis factor. <i>European Journal of Endocrinology</i> , 2002, 146, 365-374.	3.7	53
82	Long-term anti-tumor necrosis factor antibody therapy in rheumatoid arthritis patients sensitizes the pituitary gland and favors adrenal androgen secretion. <i>Arthritis and Rheumatism</i> , 2003, 48, 1504-1512.	6.7	53
83	Tumor necrosis factor-neutralizing therapies improve altered hormone axes: An alternative mode of antiinflammatory action. <i>Arthritis and Rheumatism</i> , 2006, 54, 2039-2046.	6.7	53
84	Patients with rheumatoid arthritis and systemic lupus erythematosus have increased renal excretion of mitogenic estrogens in relation to endogenous antiestrogens. <i>Journal of Rheumatology</i> , 2004, 31, 489-94.	2.0	53
85	Anti-inflammatory effects of cell-based therapy with tyrosine hydroxylase-positive catecholaminergic cells in experimental arthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 444-451.	0.9	52
86	Modulation of IL-6 Production during the Menstrual Cycle in Vivo and in Vitro. <i>Brain, Behavior, and Immunity</i> , 2000, 14, 49-61.	4.1	51
87	First appearance and location of catecholaminergic cells during experimental arthritis and elimination by chemical sympathectomy. <i>Arthritis and Rheumatism</i> , 2012, 64, 1110-1118.	6.7	50
88	Leptin Is a Link between Adipose Tissue and Inflammation. <i>Annals of the New York Academy of Sciences</i> , 2006, 1069, 454-462.	3.8	47
89	Estradiol inhibits chondrogenic differentiation of mesenchymal stem cells via nonclassic signaling. <i>Arthritis and Rheumatism</i> , 2010, 62, 1088-1096.	6.7	47
90	Up-regulation of nNOS and associated increase in nitric oxide vasodilation in superior mesenteric arteries in pre-hepatic portal hypertension. <i>Journal of Hepatology</i> , 2005, 43, 258-265.	3.7	46

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91	Marked loss of sympathetic nerve fibers in chronic Charcot foot of diabetic origin compared to ankle joint osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2009, 27, 736-741.	2.3	46
92	Stress of different types increases the proinflammatory load in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2009, 11, 114.	3.5	46
93	Insights into endocrine-immunological disturbances in autoimmunity and their impact on treatment. <i>Arthritis Research and Therapy</i> , 2009, 11, 218.	3.5	46
94	Substance P modulates bone remodeling properties of murine osteoblasts and osteoclasts. <i>Scientific Reports</i> , 2018, 8, 9199.	3.3	46
95	Autonomic neuropathy in patients with HIV: Course, impact of disease stage, and medication. <i>Clinical Autonomic Research</i> , 2000, 10, 17-22.	2.5	44
96	Ablation of the Sympathetic Nervous System Decreases Gram ⁻ Negative and Increases Gram ⁺ Bacterial Dissemination: Key Roles for Tumor Necrosis Factor/Phagocytes and Interleukin ⁴ /Lymphocytes. <i>Journal of Infectious Diseases</i> , 2005, 192, 560-572.	4.0	44
97	Mathematical modeling of the circadian rhythm of key neuroendocrine-immune system players in rheumatoid arthritis: A systems biology approach. <i>Arthritis and Rheumatism</i> , 2009, 60, 2585-2594.	6.7	44
98	NPY modulates epinephrine-induced leukocytosis via Y-1 and Y-5 receptor activation in vivo: sympathetic co-transmission during leukocyte mobilization. <i>Journal of Neuroimmunology</i> , 2002, 132, 25-33.	2.3	43
99	Norepinephrine from synovial tyrosine hydroxylase positive cells is a strong indicator of synovial inflammation in rheumatoid arthritis. <i>Journal of Rheumatology</i> , 2002, 29, 427-35.	2.0	43
100	Effects of 60-day bed rest with and without exercise on cellular and humoral immunological parameters. <i>Cellular and Molecular Immunology</i> , 2015, 12, 483-492.	10.5	42
101	The synthetic cannabinoid WIN55,212-2 mesylate decreases the production of inflammatory mediators in rheumatoid arthritis synovial fibroblasts by activating CB2, TRPV1, TRPA1 and yet unidentified receptor targets. <i>Journal of Inflammation</i> , 2016, 13, 15.	3.4	42
102	The social environment affects behaviour and androgens, but not cortisol in pregnant female guinea pigs. <i>Psychoneuroendocrinology</i> , 2003, 28, 67-83.	2.7	41
103	TRPV1, TRPA1, and TRPM8 channels in inflammation, energy redirection, and water retention: role in chronic inflammatory diseases with an evolutionary perspective. <i>Journal of Molecular Medicine</i> , 2014, 92, 925-937.	3.9	41
104	Neuroimmune control of interleukin-6 secretion in the murine spleen. Differential β_2 -adrenergic effects of electrically released endogenous norepinephrine under various endotoxin conditions. <i>Journal of Neuroimmunology</i> , 1996, 71, 37-43.	2.3	40
105	Anti-TNF and Sex Hormones. <i>Annals of the New York Academy of Sciences</i> , 2006, 1069, 391-400.	3.8	40
106	Phenotyping of congenic dipeptidyl peptidase 4 (DP4) deficient Dark Agouti (DA) rats suggests involvement of DP4 in neuro-, endocrine, and immune functions. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 275-87.	2.3	40
107	Increased Expression of Dopamine Receptors in Synovial Fibroblasts From Patients With Rheumatoid Arthritis: Inhibitory Effects of Dopamine on Interleukin ⁸ and Interleukin ⁶ . <i>Arthritis and Rheumatology</i> , 2014, 66, 2685-2693.	5.6	40
108	The melanocortin system in articular chondrocytes: Melanocortin receptors, pro α -melanocortin, precursor proteases, and a regulatory effect of β -melanocyte-stimulating hormone on proinflammatory cytokines and extracellular matrix components. <i>Arthritis and Rheumatism</i> , 2009, 60, 3017-3027.	6.7	39

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109	Antiinflammatory role of endomorphins in osteoarthritis, rheumatoid arthritis, and adjuvant-induced polyarthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 456-466.	6.7	38
110	Effect of novel therapeutic glucocorticoids on circadian rhythms of hormones and cytokines in rheumatoid arthritis. <i>Annals of the New York Academy of Sciences</i> , 2010, 1193, 127-133.	3.8	38
111	Loss of sympathetic nerve fibers in intestinal endometriosis. <i>Fertility and Sterility</i> , 2010, 94, 2817-2819.	1.0	38
112	Failure of catecholamines to shift T-cell cytokine responses toward a Th2 profile in patients with rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2006, 8, R138.	3.5	37
113	Increased cortisol relative to adrenocorticotrophic hormone predicts improvement during anti-tumor necrosis factor therapy in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 976-984.	6.7	37
114	Postnatal Life Events Affect the Severity of Asthmatic Airway Inflammation in the Adult Rat. <i>Journal of Immunology</i> , 2008, 180, 3919-3925.	0.8	37
115	Energy metabolism and rheumatic diseases: from cell to organism. <i>Arthritis Research and Therapy</i> , 2012, 14, 216.	3.5	37
116	During a corticotropin-releasing hormone test in healthy subjects, administration of a beta-adrenergic antagonist induced secretion of cortisol and dehydroepiandrosterone sulfate and inhibited secretion of ACTH. <i>European Journal of Endocrinology</i> , 2003, 148, 45-53.	3.7	36
117	New glucocorticoids on the horizon: repress, don't activate!. <i>Journal of Rheumatology</i> , 2005, 32, 1199-1207.	2.0	36
118	Anti-interleukin-6 receptor antibody therapy favors adrenal androgen secretion in patients with rheumatoid arthritis: A randomized, double-blind, placebo-controlled study. <i>Arthritis and Rheumatism</i> , 2006, 54, 1778-1785.	6.7	35
119	Stimulation of TNF receptor type 2 expands regulatory T cells and ameliorates established collagen-induced arthritis in mice. <i>Cellular and Molecular Immunology</i> , 2019, 16, 65-74.	10.5	35
120	Norepinephrine Inhibition of Mesenchymal Stem Cell and Chondrogenic Progenitor Cell Chondrogenesis and Acceleration of Chondrogenic Hypertrophy. <i>Arthritis and Rheumatology</i> , 2014, 66, 2472-2481.	5.6	34
121	Selective Activation of Tumor Necrosis Factor Receptor $\alpha 1$ Induces Antiinflammatory Responses and Alleviates Experimental Arthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 722-735.	5.6	34
122	Tumor necrosis factor inhibits conversion of dehydroepiandrosterone sulfate (DHEAS) to DHEA in rheumatoid arthritis synovial cells: A prerequisite for local androgen deficiency. <i>Arthritis and Rheumatism</i> , 2005, 52, 1721-1729.	6.7	33
123	Perioperative management of immunosuppression in rheumatic diseases—what to do?. <i>Rheumatology International</i> , 2010, 30, 999-1004.	3.0	33
124	Amelioration of portal hypertension and the hyperdynamic circulatory syndrome in cirrhotic rats by neuropeptide Y via pronounced splanchnic vasoaction. <i>Gut</i> , 2011, 60, 1122-1132.	12.1	33
125	Proinflammatory receptor switch from $\text{G}_{i/s}$ to $\text{G}_{i/i}$ signaling by $\beta 2$ -arrestin-mediated PDE4 recruitment in mixed RA synovial cells. <i>Brain, Behavior, and Immunity</i> , 2015, 50, 266-274.	4.1	33
126	Fatigue in inflammatory rheumatic disorders: pathophysiological mechanisms. <i>Rheumatology</i> , 2019, 58, v35-v50.	1.9	33

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127	Autoimmune disease and innervation. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 528-534.	4.1	31
128	The multiple facets of premature aging in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2003, 48, 2713-2721.	6.7	30
129	The sympathetic nervous system stimulates anti-inflammatory B cells in collagen-type II-induced arthritis. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 432-439.	0.9	30
130	Histopathological parameters as predictors for the course of Crohn's disease. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2003, 443, 501-507.	2.8	29
131	Postnatal maternal deprivation aggravates experimental autoimmune encephalomyelitis in adult Lewis rats: reversal by chronic imipramine treatment. <i>International Journal of Developmental Neuroscience</i> , 2002, 20, 125-132.	1.6	27
132	Immunoregulation of IL-6 secretion by endogenous and exogenous adenosine and by exogenous purinergic agonists in splenic tissue slices. <i>Journal of Neuroimmunology</i> , 2002, 125, 73-81.	2.3	27
133	More Night Than Day " Circadian Rhythms in Polymyalgia Rheumatica and Ankylosing Spondylitis. <i>Journal of Rheumatology</i> , 2010, 37, 894-899.	2.0	27
134	Impact of the Sensory and Sympathetic Nervous System on Fracture Healing in Ovariectomized Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 405.	4.1	27
135	Peripheral but not central leptin treatment increases numbers of circulating NK cells, granulocytes and specific monocyte subpopulations in non-endotoxaemic lean and obese LEW-rats. <i>Regulatory Peptides</i> , 2008, 151, 26-34.	1.9	26
136	Alleviation of morning joint stiffness by low-dose prednisone in rheumatoid arthritis is associated with circadian changes in IL-6 and cortisol. <i>International Journal of Clinical Rheumatology</i> , 2011, 6, 241-249.	0.3	26
137	Synovial fibroblasts integrate inflammatory and neuroendocrine stimuli to drive rheumatoid arthritis. <i>Expert Review of Clinical Immunology</i> , 2015, 11, 1069-1071.	3.0	26
138	Centrally applied NPY mimics immunoactivation induced by non-analgesic doses of met-enkephalin. <i>NeuroReport</i> , 1998, 9, 3881-3885.	1.2	25
139	IL-7 receptor α expressing B cells act proinflammatory in collagen-induced arthritis and are inhibited by sympathetic neurotransmitters. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 306-312.	0.9	25
140	A bacteria-induced switch of sympathetic effector mechanisms augments local inhibition of TNF α and IL-6 secretion in the spleen. <i>FASEB Journal</i> , 2000, 14, 1380-1388.	0.5	25
141	Adrenal gland hypofunction in active polymyalgia rheumatica. effect of glucocorticoid treatment on adrenal hormones and interleukin 6. <i>Journal of Rheumatology</i> , 2002, 29, 748-56.	2.0	25
142	Autonomic Dysfunction in Rheumatic Diseases. <i>Rheumatic Disease Clinics of North America</i> , 2005, 31, 61-75.	1.9	24
143	Glucocorticoids increase α 5 integrin expression and adhesion of synovial fibroblasts but inhibit ERK signaling, migration, and cartilage invasion. <i>Arthritis and Rheumatism</i> , 2009, 60, 3623-3632.	6.7	24
144	Elevated urinary sVCAM-1, IL6, sIL6R and TNFR1 concentrations indicate acute kidney transplant rejection in the first 2weeks after transplantation. <i>Cytokine</i> , 2012, 57, 379-388.	3.2	24

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145	Stress in RA: a trigger of proinflammatory pathways?. <i>Nature Reviews Rheumatology</i> , 2014, 10, 516-518.	8.0	24
146	CYB5A polymorphism increases androgens and reduces risk of rheumatoid arthritis in women. <i>Arthritis Research and Therapy</i> , 2015, 17, 56.	3.5	24
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