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	New Editor-in-Chiefâ€™s Note: The Past and the Future. NeuroImmunoModulation, 2022, 29, 1-3.	1.8	0
2	The transition between acute and chronic infections in light of energy control: a mathematical model of energy flow in response to infection. Journal of the Royal Society Interface, 2022, 19, .	3.4	0
3	Anti-Inflammatory Effects of Endogenously Released Adenosine in Synovial Cells of Osteoarthritis and Rheumatoid Arthritis Patients. International Journal of Molecular Sciences, 2021, 22, 8956.	4.1	10
4	Differential inflammation-mediated function of prokineticin 2 in the synovial fibroblasts of patients with rheumatoid arthritis compared with osteoarthritis. Scientific Reports, 2021, 11, 18399.	3.3	7
5	Sympathectomy aggravates subchondral bone changes during osteoarthritis progression in mice without affecting cartilage degeneration or synovial inflammation. Osteoarthritis and Cartilage, 2021, , .	1.3	9
6	Î²2-Adrenoceptor Deficiency Results in Increased Calcified Cartilage Thickness and Subchondral Bone Remodeling in Murine Experimental Osteoarthritis. Frontiers in Immunology, 2021, 12, 801505.	4.8	7
7	Learned Immunosuppressive Placebo Response Attenuates Disease Progression in a Rodent Model of Rheumatoid Arthritis. Arthritis and Rheumatology, 2020, 72, 588-597.	5.6	11
8	Sex steroids and autoimmune rheumatic diseases: state of the art. Nature Reviews Rheumatology, 2020, 16, 628-644.	8.0	66
9	MHC/class-II-positive cells inhibit corticosterone of adrenal gland cells in experimental arthritis: a role for IL-1Î², IL-18, and the inflammasome. Scientific Reports, 2020, 10, 17071.	3.3	4
10	The memory of the fatty acid system. Progress in Lipid Research, 2020, 79, 101049.	11.6	10
11	Norepinephrine Inhibits the Proliferation of Human Bone Marrow-Derived Mesenchymal Stem Cells via Î²2-Adrenoceptor-Mediated ERK1/2 and PKA Phosphorylation. International Journal of Molecular Sciences, 2020, 21, 3924.	4.1	13
12	Proinflammatory Î±-Adrenergic Neuronal Regulation of Splenic IFN-Î³, IL-6, and TGF-Î² of Mice from Day 15 onwards in Arthritis. NeuroImmunoModulation, 2020, 27, 58-68.	1.8	9
13	Impact of the Sensory and Sympathetic Nervous System on Fracture Healing in Ovariectomized Mice. International Journal of Molecular Sciences, 2020, 21, 405.	4.1	27
14	Absence of Î±-calcitonin gene-related peptide modulates bone remodeling properties of murine osteoblasts and osteoclasts in an age-dependent way. Mechanisms of Ageing and Development, 2020, 189, 111265.	4.6	10
15	Wenn das Zusammenspiel der GedÃchtnisse nicht klappt. , 2020, , 197-238.		0
16	Norepinephrine Inhibits Synovial Adipose Stem Cell Chondrogenesis via Î±2a-Adrenoceptor-Mediated ERK1/2 Activation. International Journal of Molecular Sciences, 2019, 20, 3127.	4.1	11
17	Fatigue in inflammatory rheumatic disorders: pathophysiological mechanisms. Rheumatology, 2019, 58, v35-v50.	1.9	33
18	A thyroid hormone network exists in synovial fibroblasts of rheumatoid arthritis and osteoarthritis patients. Scientific Reports, 2019, 9, 13235.	3.3	13

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19	Increased pain and sensory hyperinnervation of the ligamentum flavum in patients with lumbar spinal stenosis. Journal of Orthopaedic Research, 2019, 37, 737-743.	2.3	9
20	Tempora mutantur et nos mutamur in illis [the times are changing, and we change in them]. Brain, Behavior, and Immunity, 2019, 75, 1-2.	4.1	0
21	Stimulation of TNF receptor type 2 expands regulatory T cells and ameliorates established collagen-induced arthritis in mice. Cellular and Molecular Immunology, 2019, 16, 65-74.	10.5	35
22	Selective Activation of Tumor Necrosis Factor Receptor <scp>II</scp> Induces Antiinflammatory Responses and Alleviates Experimental Arthritis. Arthritis and Rheumatology, 2018, 70, 722-735.	5.6	34
23	Marbostat-100 Defines a New Class of Potent and Selective Antiinflammatory and Antirheumatic Histone Deacetylase 6 Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 3454-3477.	6.4	56
24	Psychoneuroimmunologyâ€"developments in stress research. Wiener Medizinische Wochenschrift, 2018, 168, 76-84.	1.1	61
25	A Promising New Approach for the Treatment of Inflammatory Pain: Transfer of Stem Cell-Derived Tyrosine Hydroxylase-Positive Cells. NeuroImmunoModulation, 2018, 25, 225-237.	1.8	4
26	TNF inhibits catecholamine production from induced sympathetic neuron-like cells in rheumatoid arthritis and osteoarthritis in vitro. Scientific Reports, 2018, 8, 9645.	3.3	15
27	Substance P modulates bone remodeling properties of murine osteoblasts and osteoclasts. Scientific Reports, 2018, 8, 9199.	3.3	46
28	Sympathikus feuert und macht Bluthochdruck. , 2018, , 167-173.		0
29	Knochenschwund â€“ Osteoporose. , 2018, , 135-139.		0
30	Increased extracellular water measured by bioimpedance and by increased serum levels of atrial natriuretic peptide in RA patientsâ€"signs of volume overload. Clinical Rheumatology, 2017, 36, 1041-1051.	2.2	10
31	Sympathetic nerve repulsion inhibited by designer molecules in vitro and role in experimental arthritis. Life Sciences, 2017, 168, 47-53.	4.3	12
32	Inflammation Is an Important Covariate for the Crosstalk of Sleep and the HPA Axis in Rheumatoid Arthritis. NeuroImmunoModulation, 2017, 24, 11-20.	1.8	12
33	The brain and immune system prompt energy shortage in chronic inflammation and ageing. Nature Reviews Rheumatology, 2017, 13, 743-751.	8.0	104
34	The Sensory and Sympathetic Nervous System in Cartilage Physiology and Pathophysiology. , 2017, , 191-227.		1
35	Association Between the Use of Oral Contraceptives and Patientâ€Reported Outcomes in an Early Arthritis Cohort. Arthritis Care and Research, 2016, 68, 400-405.	3.4	5
36	Î±-MSH modulates cell adhesion and inflammatory responses of synovial fibroblasts from osteoarthritis patients. Biochemical Pharmacology, 2016, 116, 89-99.	4.4	13

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37	Glucocorticoids and chronic inflammation. Rheumatology, 2016, 55, ii6-ii14.	1.9	102
38	Predominance of synovial sensory nerve fibers in arthrofibrosis following total knee arthroplasty compared to osteoarthritis of the knee. Journal of Orthopaedic Surgery and Research, 2016, 11, 25.	2.3	19
39	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. Journal of Inflammation, 2016, 13, 15.	3.4	42
40	Chronic inflammatory systemic diseases â€“ an evolutionary trade-off between acutely beneficial but chronically harmful programs. Evolution, Medicine and Public Health, 2016, 2016, eow001.	2.5	133
41	Peripheral elimination of the sympathetic nervous system stimulates immunocyte retention in lymph nodes and ameliorates collagen type II arthritis. Brain, Behavior, and Immunity, 2016, 54, 201-210.	4.1	13
42	Reactivity of rat bone marrow-derived macrophages to neurotransmitter stimulation in the context of collagen II-induced arthritis. Arthritis Research and Therapy, 2015, 17, 169.	3.5	13
43	Anti-inflammatory effects of N-acylethanolamines in rheumatoid arthritis synovial cells are mediated by TRPV1 and TRPA1 in a COX-2 dependent manner. Arthritis Research and Therapy, 2015, 17, 321.	3.5	72
44	Proinflammatory receptor switch from GÎ±s to GÎ±i signaling by Î²-arrestin-mediated PDE4 recruitment in mixed RA synovial cells. Brain, Behavior, and Immunity, 2015, 50, 266-274.	4.1	33
45	Synovial fibroblasts integrate inflammatory and neuroendocrine stimuli to drive rheumatoid arthritis. Expert Review of Clinical Immunology, 2015, 11, 1069-1071.	3.0	26
46	Catecholaminergic-to-cholinergic transition of sympathetic nerve fibers is stimulated under healthy but not under inflammatory arthritic conditions. Brain, Behavior, and Immunity, 2015, 46, 180-191.	4.1	13
47	History of Immunology Research. , 2015, , 1-58.		0
48	Energy and Volume Regulation. , 2015, , 131-149.		0
49	Evolutionary Medicine. , 2015, , 151-171.		0
50	Pathogenesis and Neuroendocrine Immunology. , 2015, , 59-129.		0
51	Aging-Related Sequelae. , 2015, , 237-241.		0
52	Origin of Typical Disease Sequelae. , 2015, , 173-235.		0
53	Continuation and Desynchronization. , 2015, , 243-259.		0
54	CYB5A polymorphism increases androgens and reduces risk of rheumatoid arthritis in women. Arthritis Research and Therapy, 2015, 17, 56.	3.5	24

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55	Cannabinoid-based drugs targeting CB1 and TRPV1, the sympathetic nervous system, and arthritis. Arthritis Research and Therapy, 2015, 17, 226.	3.5	68
56	Evolutionary medicine and bone loss in chronic inflammatory diseasesâ€"A theory of inflammation-related osteopenia. Seminars in Arthritis and Rheumatism, 2015, 45, 220-228.	3.4	81
57	Mimicking disruption of brain-immune system-joint communication results in collagen type II-induced arthritis in non-susceptible PVG rats. Molecular and Cellular Endocrinology, 2015, 415, 56-63.	3.2	4
58	Anti-inflammatory effects of cell-based therapy with tyrosine hydroxylase-positive catecholaminergic cells in experimental arthritis. Annals of the Rheumatic Diseases, 2015, 74, 444-451.	0.9	52
59	Inadequate corticosterone levels relative to arthritic inflammation are accompanied by altered mitochondria/cholesterol breakdown in adrenal cortex:Âa steroid-inhibiting role of IL-1Î² in rats. Annals of the Rheumatic Diseases, 2015, 74, 1890-1897.	0.9	13
60	11ï¿½-Hydroxysteroid Dehydrogenase Enzymes Modulate Effects of Glucocorticoids in Rheumatoid Arthritis Synovial Cells. NeuroImmunoModulation, 2015, 22, 40-45.	1.8	7
61	Effects of 60-day bed rest with and without exercise on cellular and humoral immunological parameters. Cellular and Molecular Immunology, 2015, 12, 483-492.	10.5	42
62	Sympathetic Neurotransmitters Modulate Osteoclastogenesis and Osteoclast Activity in the Context of Collagen-Induced Arthritis. PLoS ONE, 2015, 10, e0139726.	2.5	18
63	Effects of the neuroendocrine system on development and function of the immune system. , 2015, , 188-196.		0
64	Absence of substance P and the sympathetic nervous system impact on bone structure and chondrocyte differentiation in an adult model of endochondral ossification. Matrix Biology, 2014, 38, 22-35.	3.6	73
65	Estrogenâ€™s effects in chronic autoimmune/inflammatory diseases and progression to cancer. Expert Review of Clinical Immunology, 2014, 10, 31-39.	3.0	23
66	Systemic disease sequelae in chronic inflammatory diseases and chronic psychological stress: comparison and pathophysiological model. Annals of the New York Academy of Sciences, 2014, 1318, 7-17.	3.8	13
67	Interaction of the endocrine system with inflammation: a function of energy and volume regulation. Arthritis Research and Therapy, 2014, 16, 203.	3.5	85
68	The sympathetic nervous response in inflammation. Arthritis Research and Therapy, 2014, 16, 504.	3.5	273
69	Function of the sympathetic supply in acute and chronic experimental joint inflammation. Autonomic Neuroscience: Basic and Clinical, 2014, 182, 55-64.	2.8	56
70	Norepinephrine Inhibition of Mesenchymal Stem Cell and Chondrogenic Progenitor Cell Chondrogenesis and Acceleration of Chondrogenic Hypertrophy. Arthritis and Rheumatology, 2014, 66, 2472-2481.	5.6	34
71	Aromatase and regulation of the estrogenâ€toâ€androgen ratio in synovial tissue inflammation: common pathway in both sexes. Annals of the New York Academy of Sciences, 2014, 1317, 24-31.	3.8	58
72	Increased Expression of Dopamine Receptors in Synovial Fibroblasts From Patients With Rheumatoid Arthritis: Inhibitory Effects of Dopamine on Interleukinâ€8 and Interleukinâ€6. Arthritis and Rheumatology, 2014, 66, 2685-2693.	5.6	40

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73	IL-7 receptor Î± expressing B cells act proinflammatory in collagen-induced arthritis and are inhibited by sympathetic neurotransmitters. Annals of the Rheumatic Diseases, 2014, 73, 306-312.	0.9	25
74	TRPV1, TRPA1, and TRPM8 channels in inflammation, energy redirection, and water retention: role in chronic inflammatory diseases with an evolutionary perspective. Journal of Molecular Medicine, 2014, 92, 925-937.	3.9	41
75	Stress in RA: a trigger of proinflammatory pathways?. Nature Reviews Rheumatology, 2014, 10, 516-518.	8.0	24
76	Insulin resistance, selfish brain, and selfish immune system: an evolutionarily positively selected program used in chronic inflammatory diseases. Arthritis Research and Therapy, 2014, 16, S4.	3.5	62
77	Rheumatoid arthritis - a neuroendocrine immune disorder: glucocorticoid resistance, relative glucocorticoid deficiency, low-dose glucocorticoid therapy, and insulin resistance. Arthritis Research and Therapy, 2014, 16, I1.	3.5	15
78	Circadian variation in plasma IL-6 and the role of modified-release prednisone in polymyalgia rheumatica. International Journal of Clinical Rheumatology, 2014, 9, 431-439.	0.3	3
79	Circadian rhythms in rheumatology - a glucocorticoid perspective. Arthritis Research and Therapy, 2014, 16, S3.	3.5	55
80	Loss of sympathetic nerve fibers in vital intertrochanteric bone cylinders lateral to osteonecrosis of the femoral head. Joint Bone Spine, 2013, 80, 188-194.	1.6	10
81	Role of neuroendocrine and neuroimmune mechanisms in chronic inflammatory rheumatic diseasesâ€"The 10-year update. Seminars in Arthritis and Rheumatism, 2013, 43, 392-404.	3.4	69
82	Neuronal Î±1/2-adrenergic stimulation of IFN-Î³, IL-6, and CXCL-1 in murine spleen in late experimental arthritis. Brain, Behavior, and Immunity, 2013, 33, 80-89.	4.1	13
83	Differential effect of severe and moderate social stress on blood immune and endocrine measures and susceptibility to collagen type II arthritis in male rats. Brain, Behavior, and Immunity, 2013, 29, 156-165.	4.1	10
84	Perte des fibres nerveuses sympathiques dans les cylindres osseux intertrochantÃ©riens vivants Ã proximitÃ© dâ€™une ostÃ©onÃ©crose de la tÃªte fÃ©morale. Revue Du Rhumatisme (Edition Francaise), 2013, 80, 65-71.	0.9	0
85	Role of peripheral nerve fibres in acute and chronic inflammation in arthritis. Nature Reviews Rheumatology, 2013, 9, 117-126.	8.0	122
86	Influence of CYB5A gene variants on risk of rheumatoid arthritis and local endocrine function in the joint. Brain, Behavior, and Immunity, 2013, 29, S12-S13.	4.1	8
87	B Cell Activating Factor of the Tumor Necrosis Factor Family (BAFF) Behaves as an Acute Phase Reactant in Acute Pancreatitis. PLoS ONE, 2013, 8, e54297.	2.5	8
88	Neural Regulation of Pain and Inflammation. , 2013, , 413-429.e6.		0
89	The sympathetic nervous system stimulates anti-inflammatory B cells in collagen-type II-induced arthritis. Annals of the Rheumatic Diseases, 2012, 71, 432-439.	0.9	30
90	High or low density of sympathetic nerve fibers in inflammatory lesions: Comment on the article by Ghilardi et al. Arthritis and Rheumatism, 2012, 64, 3823-3825.	6.7	0

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91	Cortisolâ€mediated adhesion of synovial fibroblasts is dependent on the degradation of anandamide and activation of the endocannabinoid system. Arthritis and Rheumatism, 2012, 64, 3867-3876.	6.7	23
92	Energy metabolism and rheumatic diseases: from cell to organism. Arthritis Research and Therapy, 2012, 14, 216.	3.5	37
93	Intra-articular glucocorticoid injections decrease the number of steroid hormone receptor positive cells in synovial tissue of patients with persistent knee arthritis. Annals of the Rheumatic Diseases, 2012, 71, 1552-1558.	0.9	8
94	Elevated urinary sVCAM-1, IL6, sIL6R and TNFR1 concentrations indicate acute kidney transplant rejection in the first 2weeks after transplantation. Cytokine, 2012, 57, 379-388.	3.2	24
95	Disruption of rhythms of molecular clocks in primary synovial fibroblasts of patients with osteoarthritis and rheumatoid arthritis, role of IL-1Î²/TNF. Arthritis Research and Therapy, 2012, 14, R122.	3.5	58
96	First appearance and location of catecholaminergic cells during experimental arthritis and elimination by chemical sympathectomy. Arthritis and Rheumatism, 2012, 64, 1110-1118.	6.7	50
97	Relationship between placenta growth factor 1 and vascularization, dehydroepiandrosterone sulfate to dehydroepiandrosterone conversion, or aromatase expression in patients with rheumatoid arthritis and patients with osteoarthritis. Arthritis and Rheumatism, 2012, 64, 1799-1808.	6.7	8
98	Corrigendum et addendum to Arthritis & Rheumatism 2008;58:3450â€“60. Arthritis and Rheumatism, 2012, 64, 1695-1696.	6.7	1
99	Evolutionary medicine and chronic inflammatory stateâ€”known and new concepts in pathophysiology. Journal of Molecular Medicine, 2012, 90, 523-534.	3.9	93
100	Estrogen metabolism and autoimmunity. Autoimmunity Reviews, 2012, 11, A460-A464.	5.8	100
101	Sympathetic nerve fiber repulsion: testing norepinephrine, dopamine, and 17Î²â€estradiol in a primary murine sympathetic neurite outgrowth assay. Annals of the New York Academy of Sciences, 2012, 1261, 26-33.	3.8	10
102	<scp>KU</scp>812 basophils express urocortin, <scp>CRH</scp>â€<scp>R</scp>,<scp>MC</scp>1<scp>R</scp> and steroidogenic enzymes and secrete progesterone. Experimental Dermatology, 2012, 21, 541-543.	2.9	7
103	Substance P and norepinephrine modulate murine chondrocyte proliferation and apoptosis. Arthritis and Rheumatism, 2012, 64, 729-739.	6.7	57
104	Integrins and their ligands in rheumatoid arthritis. Arthritis Research and Therapy, 2011, 13, 244.	3.5	85
105	Alleviation of morning joint stiffness by low-dose prednisone in rheumatoid arthritis is associated with circadian changes in IL-6 and cortisol. International Journal of Clinical Rheumatology, 2011, 6, 241-249.	0.3	26
106	Sympathetic inhibition of IL-6, IFN-Î³, and KC/CXCL1 and sympathetic stimulation of TGF-Î² in spleen of early arthritic mice. Brain, Behavior, and Immunity, 2011, 25, 1708-1715.	4.1	20
107	Restoring the Balance of the Autonomic Nervous System as an Innovative Approach to the Treatment of Rheumatoid Arthritis. Molecular Medicine, 2011, 17, 937-948.	4.4	121
108	Aggregation of melanocytic nevi on the paralyzed leg of a patient with poliomyelitis. European Journal of Dermatology, 2011, 21, 627-628.	0.6	0

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109	Rheumatoid Arthritis Recapitulates Events Relevant in Blastocyst Implantation and Embryogenesis: A Pathogenetic Theory. Seminars in Arthritis and Rheumatism, 2011, 41, 382-392.	3.4	4
110	Exogenous and endogenous glucocorticoids in rheumatic diseases. Arthritis and Rheumatism, 2011, 63, 1-9.	6.7	87
111	Increased density of sympathetic nerve fibers in metabolically activated fat tissue surrounding human synovium and mouse lymph nodes in arthritis. Arthritis and Rheumatism, 2011, 63, 3234-3242.	6.7	21
112	Blockade of TNF-Î± rapidly inhibits pain responses in the central nervous system. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3731-3736.	7.1	308
113	Amelioration of portal hypertension and the hyperdynamic circulatory syndrome in cirrhotic rats by neuropeptide Y via pronounced splanchnic vasoaction. Gut, 2011, 60, 1122-1132.	12.1	33
114	Relevance of disease- and organ-specific endothelial cells forin vitroresearch. Cell Biology International, 2010, 34, 1231-1238.	3.0	15
115	Perioperative management of immunosuppression in rheumatic diseasesâ€"what to do?. Rheumatology International, 2010, 30, 999-1004.	3.0	33
116	Estradiol inhibits chondrogenic differentiation of mesenchymal stem cells via nonclassic signaling. Arthritis and Rheumatism, 2010, 62, 1088-1096.	6.7	47
117	The immunomodulatory effects of estrogens. Annals of the New York Academy of Sciences, 2010, 1193, 36-42.	3.8	83
118	Genetics in neuroendocrine immunology: implications for rheumatoid arthritis and osteoarthritis. Annals of the New York Academy of Sciences, 2010, 1193, 10-14.	3.8	8
119	Effect of novel therapeutic glucocorticoids on circadian rhythms of hormones and cytokines in rheumatoid arthritis. Annals of the New York Academy of Sciences, 2010, 1193, 127-133.	3.8	38
120	Endomorphins in rheumatoid arthritis, osteoarthritis, and experimental arthritis. Annals of the New York Academy of Sciences, 2010, 1193, 117-122.	3.8	21
121	A new assay for nerve fiber repulsion. Annals of the New York Academy of Sciences, 2010, 1193, 43-47.	3.8	2
122	Psoriatic arthritis. Annals of the New York Academy of Sciences, 2010, 1193, 176-178.	3.8	2
123	Antiâ€TNF therapy restores the hypothalamicâ€pituitaryâ€adrenal axis. Annals of the New York Academy of Sciences, 2010, 1193, 179-181.	3.8	5
124	Elective surgery in rheumatic disease and immunosuppression: to pause or not. Rheumatology, 2010, 49, 1799-1800.	1.9	5
125	When Immune-Neuro-Endocrine Interactions Are Disrupted: Experimentally Induced Arthritis as an Example. NeuroImmunoModulation, 2010, 17, 165-168.	1.8	13
126	Low density of sympathetic nerve fibers relative to substance P-positive nerve fibers in lesional skin of chronic pruritus and prurigo nodularis. Journal of Dermatological Science, 2010, 58, 193-197.	1.9	84

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127	More Night Than Day â€" Circadian Rhythms in Polymyalgia Rheumatica and Ankylosing Spondylitis. Journal of Rheumatology, 2010, 37, 894-899.	2.0	27
128	The B cell, arthritis, and the sympathetic nervous system. Brain, Behavior, and Immunity, 2010, 24, 186-192.	4.1	14
129	Loss of sympathetic nerve fibers in intestinal endometriosis. Fertility and Sterility, 2010, 94, 2817-2819.	1.0	38
130	Catecholamine-producing cells in the synovial tissue during arthritis: modulation of sympathetic neurotransmitters as new therapeutic target. Annals of the Rheumatic Diseases, 2010, 69, 1853-1860.	0.9	101
131	Tumor necrosis factor and norepinephrine lower the levels of human neutrophil peptides 1-3 secretion by mixed synovial tissue cultures in osteoarthritis and rheumatoid arthritis. Arthritis Research and Therapy, 2010, 12, R110.	3.5	18
132	Role of HSP-90 for increased nNOS-mediated vasodilation in mesenteric arteries in portal hypertension. World Journal of Gastroenterology, 2010, 16, 1837.	3.3	11
133	Phenotyping of congenic dipeptidyl peptidase 4 (DP4) deficient Dark Agouti (DA) rats suggests involvement of DP4 in neuro-, endocrine, and immune functions. Clinical Chemistry and Laboratory Medicine, 2009, 47, 275-87.	2.3	40
134	Marked loss of sympathetic nerve fibers in chronic Charcot foot of diabetic origin compared to ankle joint osteoarthritis. Journal of Orthopaedic Research, 2009, 27, 736-741.	2.3	46
135	Mathematical modeling of the circadian rhythm of key neuroendocrineâ€"immune system players in rheumatoid arthritis: A systems biology approach. Arthritis and Rheumatism, 2009, 60, 2585-2594.	6.7	44
136	The melanocortin system in articular chondrocytes: Melanocortin receptors, proâ€opiomelanocortin, precursor proteases, and a regulatory effect of Î±â€melanocyteâ€"stimulating hormone on proinflammatory cytokines and extracellular matrix components. Arthritis and Rheumatism, 2009, 60, 3017-3027.	6.7	39
137	Estrone/17Î²â€estradiol conversion to, and tumor necrosis factor inhibition by, estrogen metabolites in synovial cells of patients with rheumatoid arthritis and patients with osteoarthritis. Arthritis and Rheumatism, 2009, 60, 2913-2922.	6.7	58
138	Glucocorticoids increase Î±5 integrin expression and adhesion of synovial fibroblasts but inhibit ERK signaling, migration, and cartilage invasion. Arthritis and Rheumatism, 2009, 60, 3623-3632.	6.7	24
139	Stress of different types increases the proinflammatory load in rheumatoid arthritis. Arthritis Research and Therapy, 2009, 11, 114.	3.5	46
140	Insights into endocrine-immunological disturbances in autoimmunity and their impact on treatment. Arthritis Research and Therapy, 2009, 11, 218.	3.5	46
141	Soluble neuropilinâ€2, a nerve repellent receptor, is increased in rheumatoid arthritis synovium and aggravates sympathetic fiber repulsion and arthritis. Arthritis and Rheumatism, 2009, 60, 2892-2901.	6.7	59
142	B-cell involvement in the pathogenesis of RAâ€"is there a contribution of the sympathetic nervous system?. Immunologic Research, 2008, 40, 148-163.	2.9	4
143	Neuropeptide Y Cotransmission with Norepinephrine in the Sympathetic Nerve-Macrophage Interplay. Journal of Neurochemistry, 2008, 75, 2464-2471.	3.9	66
144	Antiinflammatory role of endomorphins in osteoarthritis, rheumatoid arthritis, and adjuvantâ€induced polyarthritis. Arthritis and Rheumatism, 2008, 58, 456-466.	6.7	38

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145	Increased cortisol relative to adrenocorticotropic hormone predicts improvement during antiâ€“tumor necrosis factor therapy in rheumatoid arthritis. Arthritis and Rheumatism, 2008, 58, 976-984.	6.7	37
146	An early sympathetic nervous system influence exacerbates collagenâ€induced arthritis via CD4+CD25+ cells. Arthritis and Rheumatism, 2008, 58, 2347-2355.	6.7	55
147	Disrupted brainâ€“immune systemâ€“joint communication during experimental arthritis. Arthritis and Rheumatism, 2008, 58, 3090-3099.	6.7	60
148	Neuronally released sympathetic neurotransmitters stimulate splenic interferonâ€Î³ secretion from T cells in early type II collagenâ€“induced arthritis. Arthritis and Rheumatism, 2008, 58, 3450-3460.	6.7	62
149	Circadian rhythms in arthritis: Hormonal effects on the immune/inflammatory reaction. Autoimmunity Reviews, 2008, 7, 223-228.	5.8	108
150	Neuroendocrine immune pathways in chronic arthritis. Best Practice and Research in Clinical Rheumatology, 2008, 22, 285-297.	3.3	16
151	Chemical sympathectomy increases susceptibility to ocular herpes simplex virus type 1 infection. Journal of Neuroimmunology, 2008, 197, 37-46.	2.3	14
152	Chapter 1 Neuroendocrine Immune Control Mechanisms and their Influence on Autoimmune Disease. Handbook of Systemic Autoimmune Diseases, 2008, 9, 3-12.	0.1	1
153	Chapter 2 Sex Hormones, the Immune System and Autoimmune Diseases. Handbook of Systemic Autoimmune Diseases, 2008, 9, 13-19.	0.1	1
154	Chapter 27 Modulation of Hormone Axes by Anti-TNF Therapy. Handbook of Systemic Autoimmune Diseases, 2008, 9, 301-308.	0.1	3
155	Chapter 22 Dehydroepiandrosterone. Handbook of Systemic Autoimmune Diseases, 2008, , 249-256.	0.1	0
156	â€˜The emergence of neurotransmitters as immune modulatorsâ€™: letter to Rafael Franco and colleagues. Trends in Immunology, 2008, 29, 303.	6.8	0
157	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. Regulatory Peptides, 2008, 151, 26-34.	1.9	26
158	Preponderance of sensory versus sympathetic nerve fibers and increased cellularity in the infrapatellar fat pad in anterior knee pain patients after primary arthroplasty. Journal of Orthopaedic Research, 2008, 26, 342-350.	2.3	64
159	Sex differences in a transgenic rat model of Huntington's disease: decreased 17Î²-estradiol levels correlate with reduced numbers of DARPP32+ neurons in males. Human Molecular Genetics, 2008, 17, 2595-2609.	2.9	114
160	Postnatal Life Events Affect the Severity of Asthmatic Airway Inflammation in the Adult Rat. Journal of Immunology, 2008, 180, 3919-3925.	0.8	37
161	Circadian rhythms of nocturnal hormones in rheumatoid arthritis: translation from bench to bedside. Annals of the Rheumatic Diseases, 2008, 67, 905-908.	0.9	57
162	Â-Endorphin, Met-enkephalin and corresponding opioid receptors within synovium of patients with joint trauma, osteoarthritis and rheumatoid arthritis. Annals of the Rheumatic Diseases, 2007, 66, 871-879.	0.9	105

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163	The Role of Adenosine in Rheumatoid Arthritis. Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry, 2007, 7, 265-279.	0.5	1
164	Autoimmune disease and innervation. Brain, Behavior, and Immunity, 2007, 21, 528-534.	4.1	31
165	Neuroendocrineâ€“immune interactions in synovitis. Nature Clinical Practice Rheumatology, 2007, 3, 627-634.	3.2	78
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