

# Frank Buttgereit

## List of Publications by Year in descending order

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Version: 2024-02-01

250  
papers

20,958  
citations

19657

61  
h-index

11052

137  
g-index

265  
all docs

265  
docs citations

265  
times ranked

19503  
citing authors

#	ARTICLE	IF	CITATIONS
1	EULAR recommendations for the management of rheumatoid arthritis with synthetic and biological disease-modifying antirheumatic drugs: 2016 update. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 960-977.	0.9	3,366
2	EULAR recommendations for the management of rheumatoid arthritis with synthetic and biological disease-modifying antirheumatic drugs: 2019 update. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 685-699.	0.9	1,860
3	EULAR recommendations for the management of rheumatoid arthritis with synthetic and biological disease-modifying antirheumatic drugs: 2013 update. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 492-509.	0.9	1,688
4	2018 Update of the EULAR recommendations for the management of large vessel vasculitis. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 19-30.	0.9	667
5	Quantitating Protein Synthesis, Degradation, and Endogenous Antigen Processing. <i>Immunity</i> , 2003, 18, 343-354.	14.3	461
6	Genomic and nongenomic effects of glucocorticoids. <i>Nature Clinical Practice Rheumatology</i> , 2008, 4, 525-533.	3.2	456
7	Standardised nomenclature for glucocorticoid dosages and glucocorticoid treatment regimens: current questions and tentative answers in rheumatology. <i>Annals of the Rheumatic Diseases</i> , 2002, 61, 718-722.	0.9	395
8	Polymyalgia Rheumatica and Giant Cell Arteritis. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 2442.	7.4	346
9	Efficacy of modified-release versus standard prednisone to reduce duration of morning stiffness of the joints in rheumatoid arthritis (CAPRA-1): a double-blind, randomised controlled trial. <i>Lancet</i> , The, 2008, 371, 205-214.	13.7	340
10	Molecular mechanisms of glucocorticoid action and selective glucocorticoid receptor agonists. <i>Molecular and Cellular Endocrinology</i> , 2007, 275, 71-78.	3.2	328
11	The Early Fracture Hematoma and Its Potential Role in Fracture Healing. <i>Tissue Engineering - Part B: Reviews</i> , 2010, 16, 427-434.	4.8	316
12	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
13	Defining conditions where long-term glucocorticoid treatment has an acceptably low level of harm to facilitate implementation of existing recommendations: viewpoints from an EULAR task force. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 952-957.	0.9	258
14	Rapid glucocorticoid effects on immune cells. <i>Steroids</i> , 2002, 67, 529-534.	1.8	254
15	Bioenergetics of immune functions: fundamental and therapeutic aspects. <i>Trends in Immunology</i> , 2000, 21, 194-199.	7.5	239
16	2015 Recommendations for the management of polymyalgia rheumatica: a European League Against Rheumatism/American College of Rheumatology collaborative initiative. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 1799-1807.	0.9	220
17	Inflammatory phase of bone healing initiates the regenerative healing cascade. <i>Cell and Tissue Research</i> , 2012, 347, 567-573.	2.9	215
18	Metabolic regulation of inflammation. <i>Nature Reviews Rheumatology</i> , 2017, 13, 267-279.	8.0	211

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19	A new hypothesis of modular glucocorticoid actions: Steroid treatment of rheumatic diseases revisited. <i>Arthritis and Rheumatism</i> , 1998, 41, 761-767.	6.7	209
20	The association between rheumatoid arthritis and periodontal disease. <i>Arthritis Research and Therapy</i> , 2010, 12, 218.	3.5	184
21	Membrane glucocorticoid receptors (mGCR) are expressed in normal human peripheral blood mononuclear cells and upregulated after in vitro stimulation and in patients with rheumatoid arthritis. <i>FASEB Journal</i> , 2004, 18, 70-80.	0.5	183
22	Novel insights into mechanisms of glucocorticoid action and the development of new glucocorticoid receptor ligands. <i>Steroids</i> , 2008, 73, 1025-1029.	1.8	180
23	Non-genomic glucocorticoid effects to provide the basis for new drug developments. <i>Molecular and Cellular Endocrinology</i> , 2006, 246, 142-146.	3.2	178
24	Glucocorticoids – All-Rounders Tackling the Versatile Players of the Immune System. <i>Frontiers in Immunology</i> , 2019, 10, 1744.	4.8	170
25	Induction therapy with adalimumab plus methotrexate for 24 weeks followed by methotrexate monotherapy up to week 48 versus methotrexate therapy alone for DMARD-naïve patients with early rheumatoid arthritis: HIT HARD, an investigator-initiated study. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 844-850.	0.9	168
26	Osteoblasts mediate the adverse effects of glucocorticoids on fuel metabolism. <i>Journal of Clinical Investigation</i> , 2012, 122, 4172-4189.	8.2	163
27	Giant cell arteritis and polymyalgia rheumatica: current challenges and opportunities. <i>Nature Reviews Rheumatology</i> , 2017, 13, 578-592.	8.0	161
28	Low-dose prednisone chronotherapy for rheumatoid arthritis: a randomised clinical trial (CAPRA-2). <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 204-210.	0.9	160
29	Human Early Fracture Hematoma Is Characterized by Inflammation and Hypoxia. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 3118-3126.	1.5	159
30	Hypoxia Promotes Osteogenesis but Suppresses Adipogenesis of Human Mesenchymal Stromal Cells in a Hypoxia-Inducible Factor-1 Dependent Manner. <i>PLoS ONE</i> , 2012, 7, e46483.	2.5	157
31	Development of a Glucocorticoid Toxicity Index (GTI) using multicriteria decision analysis. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 543-546.	0.9	154
32	Takayasu arteritis is characterised by disturbances of B cell homeostasis and responds to B cell depletion therapy with rituximab. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, 75-79.	0.9	150
33	2015 Recommendations for the Management of Polymyalgia Rheumatica: A European League Against Rheumatism/American College of Rheumatology Collaborative Initiative. <i>Arthritis and Rheumatology</i> , 2015, 67, 2569-2580.	5.6	146
34	Rapid immunosuppressive effects of glucocorticoids mediated through Lck and Fyn. <i>Blood</i> , 2005, 106, 1703-1710.	1.4	145
35	The spectrum of giant cell arteritis and polymyalgia rheumatica: revisiting the concept of the disease. <i>Rheumatology</i> , 2017, 56, kew273.	1.9	138
36	Glucocorticoids cause rapid dissociation of a T cell receptor-associated protein complex containing LCK and FYN. <i>EMBO Reports</i> , 2006, 7, 1023-1029.	4.5	135

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37	Equivalent doses and relative drug potencies for non-genomic glucocorticoid effects: a novel glucocorticoid hierarchy. <i>Biochemical Pharmacology</i> , 1999, 58, 363-368.	4.4	134
38	British Society for Rheumatology guideline on diagnosis and treatment of giant cell arteritis. <i>Rheumatology</i> , 2020, 59, e1-e23.	1.9	128
39	Mechanism of action of glucocorticosteroid hormones: possible implications for therapy of neuroimmunological disorders. <i>Journal of Neuroimmunology</i> , 2001, 117, 1-8.	2.3	126
40	Signaling Takes a Breath – New Quantitative Perspectives on Bioenergetics and Signal Transduction. <i>Immunity</i> , 2001, 15, 497-502.	14.3	124
41	Optimised glucocorticoid therapy: the sharpening of an old spear. <i>Lancet</i> , The, 2005, 365, 801-803.	13.7	124
42	Initial immune reaction and angiogenesis in bone healing. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 120-130.	2.7	123
43	European Guideline on IgG4-related digestive disease – UEG and SGF evidence-based recommendations. <i>United European Gastroenterology Journal</i> , 2020, 8, 637-666.	3.8	120
44	Current view of glucocorticoid co-therapy with DMARDs in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2010, 6, 693-702.	8.0	116
45	Gastrointestinal toxic side effects of nonsteroidal anti-inflammatory drugs and cyclooxygenase-2-specific inhibitors. <i>American Journal of Medicine</i> , 2001, 110, 13-19.	1.5	97
46	Osteoarthritis synovial fluid activates pro-inflammatory cytokines in primary human chondrocytes. <i>International Orthopaedics</i> , 2013, 37, 145-151.	1.9	93
47	Targeting pathophysiological rhythms: prednisone chronotherapy shows sustained efficacy in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, 1275-1280.	0.9	91
48	Clocking in: chronobiology in rheumatoid arthritis. <i>Nature Reviews Rheumatology</i> , 2015, 11, 349-356.	8.0	91
49	Optimized glucocorticoid therapy: Teaching old drugs new tricks. <i>Molecular and Cellular Endocrinology</i> , 2013, 380, 32-40.	3.2	89
50	Glucocorticoids in rheumatoid arthritis: current status and future studies. <i>RMD Open</i> , 2020, 6, e000536.	3.8	89
51	Exogenous and endogenous glucocorticoids in rheumatic diseases. <i>Arthritis and Rheumatism</i> , 2011, 63, 1-9.	6.7	87
52	Hypothalamus-Pituitary-Adrenal Axis Function in Patients with Rheumatoid Arthritis Treated with Nighttime-Release Prednisone. <i>Journal of Rheumatology</i> , 2010, 37, 2025-2031.	2.0	85
53	Recruitment and Retention of Older People in Clinical Research: A Systematic Literature Review. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 2955-2963.	2.6	83
54	Cellular composition of the initial fracture hematoma compared to a muscle hematoma: A study in sheep. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1147-1151.	2.3	78

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55	Continuing versus tapering glucocorticoids after achievement of low disease activity or remission in rheumatoid arthritis (SEMIRA): a double-blind, multicentre, randomised controlled trial. <i>Lancet</i> , The, 2020, 396, 267-276.	13.7	78
56	Views on glucocorticoid therapy in rheumatology: the age of convergence. <i>Nature Reviews Rheumatology</i> , 2020, 16, 239-246.	8.0	71
57	Bioenergetics of Human Peripheral Blood Mononuclear Cell Metabolism in Quiescent, Activated, and Glucocorticoid-Treated States. <i>Bioscience Reports</i> , 2000, 20, 289-302.	2.4	70
58	The influence of obesity on perioperative morbidity and mortality in revision total hip arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2000, 120, 267-271.	2.4	69
59	Nonsteroidal antiinflammatory drugs and a selective cyclooxygenase 2 inhibitor uncouple mitochondria in intact cells. <i>Arthritis and Rheumatism</i> , 2003, 48, 1438-1444.	6.7	69
60	Glucocorticoids. <i>Best Practice and Research in Clinical Rheumatology</i> , 2011, 25, 891-900.	3.3	65
61	Quantification of ATP-producing and consuming processes of Ehrlich ascites tumour cells. <i>FEBS Journal</i> , 1986, 161, 701-705.	0.2	63
62	Origin and functional activity of the membrane-bound glucocorticoid receptor. <i>Arthritis and Rheumatism</i> , 2011, 63, 3779-3788.	6.7	62
63	Low dose, add-on prednisolone in patients with rheumatoid arthritis aged 65+: the pragmatic randomised, double-blind placebo-controlled GLORIA trial. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 925-936.	0.9	59
64	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
65	Corticosterone selectively targets endo-cortical surfaces by an osteoblast-dependent mechanism. <i>Bone</i> , 2011, 49, 733-742.	2.9	56
66	Management of Takayasu arteritis: a systematic literature review informing the 2018 update of the EULAR recommendation for the management of large vessel vasculitis. <i>RMD Open</i> , 2019, 5, e001020.	3.8	56
67	British Society for Rheumatology guideline on diagnosis and treatment of giant cell arteritis: executive summary. <i>Rheumatology</i> , 2020, 59, 487-494.	1.9	56
68	Macrophage Migration Inhibitory Factor Counterregulates Dexamethasone-Mediated Suppression of Hypoxia-Inducible Factor-1 $\alpha$ Function and Differentially Influences Human CD4+ T Cell Proliferation under Hypoxia. <i>Journal of Immunology</i> , 2011, 186, 764-774.	0.8	55
69	Hypoxia: how does the monocyte-macrophage system respond to changes in oxygen availability?. <i>Journal of Leukocyte Biology</i> , 2013, 95, 233-241.	3.3	55
70	Circadian rhythms in rheumatology - a glucocorticoid perspective. <i>Arthritis Research and Therapy</i> , 2014, 16, S3.	3.5	55
71	Monitoring and long-term management of giant cell arteritis and polymyalgia rheumatica. <i>Nature Reviews Rheumatology</i> , 2020, 16, 481-495.	8.0	54
72	Influence of COVID-19 pandemic on decisions for the management of people with inflammatory rheumatic and musculoskeletal diseases: a survey among EULAR countries. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 518-526.	0.9	54

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73	Systematic literature review informing the 2018 update of the EULAR recommendation for the management of large vessel vasculitis: focus on giant cell arteritis. <i>RMD Open</i> , 2019, 5, e001003.	3.8	52
74	The effects of methylprednisolone on oxidative phosphorylation in Concanavalin-A-stimulated thymocytes. Top-down elasticity analysis and control analysis. <i>FEBS Journal</i> , 1994, 223, 513-519.	0.2	50
75	Methylprednisolone inhibits uptake of Ca <sup>2+</sup> and Na <sup>+</sup> ions into concanavalin A-stimulated thymocytes. <i>Biochemical Journal</i> , 1997, 326, 329-332.	3.7	50
76	Transgenic disruption of glucocorticoid signaling in mature osteoblasts and osteocytes attenuates K/BxN mouse serum-induced arthritis in vivo. <i>Arthritis and Rheumatism</i> , 2009, 60, 1998-2007.	6.7	49
77	Current use of glucocorticoids in patients with rheumatoid arthritis in Germany. <i>Arthritis and Rheumatism</i> , 2005, 53, 740-747.	6.7	48
78	Non-surgical management of knee osteoarthritis: where are we now and where do we need to go?. <i>RMD Open</i> , 2015, 1, e000027-e000027.	3.8	46
79	A Pronounced Inflammatory Activity Characterizes the Early Fracture Healing Phase in Immunologically Restricted Patients. <i>International Journal of Molecular Sciences</i> , 2017, 18, 583.	4.1	45
80	Long-term glucocorticoid treatment in patients with polymyalgia rheumatica, giant cell arteritis, or both diseases: results from a national rheumatology database. <i>Rheumatology International</i> , 2018, 38, 569-577.	3.0	43
81	Adaptation of Human CD4 <sup>+</sup> T Cells to Pathophysiological Hypoxia: A Transcriptome Analysis. <i>Journal of Rheumatology</i> , 2009, 36, 2655-2669.	2.0	42
82	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
83	Higher expression of glucocorticoid receptor in peripheral mononuclear cells in inflammatory bowel disease. <i>American Journal of Gastroenterology</i> , 2000, 95, 1994-1999.	0.4	41
84	Adverse events of glucocorticoids during treatment of rheumatoid arthritis: lessons from cohort and registry studies: Table 1. <i>Rheumatology</i> , 2016, 55, ii3-ii5.	1.9	41
85	Human CD4 <sup>+</sup> T cells maintain specific functions even under conditions of extremely restricted ATP production. <i>European Journal of Immunology</i> , 2008, 38, 1631-1642.	2.9	40
86	Human immune cells' behavior and survival under bioenergetically restricted conditions in an in vitro fracture hematoma model. <i>Cellular and Molecular Immunology</i> , 2013, 10, 151-158.	10.5	40
87	Unraveling the functions of the membrane-bound glucocorticoid receptors: first clues on origin and functional activity. <i>Annals of the New York Academy of Sciences</i> , 2014, 1318, 1-6.	3.8	40
88	Official View on Glucocorticoids in Rheumatoid Arthritis: A Systematic Review of International Guidelines and Consensus Statements. <i>Arthritis Care and Research</i> , 2017, 69, 1134-1141.	3.4	39
89	Pharmacology of glucocorticoids in rheumatoid arthritis. <i>Current Opinion in Pharmacology</i> , 2010, 10, 302-307.	3.5	38
90	Glucocorticoids for Management of Polymyalgia Rheumatica and Giant Cell Arteritis. <i>Rheumatic Disease Clinics of North America</i> , 2016, 42, 75-90.	1.9	38

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91	Spatial Distribution of Macrophages During Callus Formation and Maturation Reveals Close Crosstalk Between Macrophages and Newly Forming Vessels. <i>Frontiers in Immunology</i> , 2019, 10, 2588.	4.8	38
92	Effects of the mitogen concanavalin A on pathways of thymocyte energy metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1999, 1412, 129-138.	1.0	37
93	Tumoral calcinosis revisited: pathophysiology and treatment. <i>Rheumatology International</i> , 2005, 25, 55-59.	3.0	37
94	Energy metabolism and rheumatic diseases: from cell to organism. <i>Arthritis Research and Therapy</i> , 2012, 14, 216.	3.5	37
95	Prevalence of sarcopenia in systemic sclerosis: assessing body composition and functional disability in patients with systemic sclerosis. <i>Nutrition</i> , 2018, 55-56, 51-55.	2.4	37
96	The challenge of continuous exogenous glucocorticoid administration in mice. <i>Steroids</i> , 2009, 74, 245-249.	1.8	36
97	Targeting IL-6 and RANKL signaling inhibits prostate cancer growth in bone. <i>Clinical and Experimental Metastasis</i> , 2014, 31, 921-933.	3.3	36
98	New glucocorticoids on the horizon: repress, don't activate!. <i>Journal of Rheumatology</i> , 2005, 32, 1199-1207.	2.0	36
99	Human monocytes and macrophages differ in their mechanisms of adaptation to hypoxia. <i>Arthritis Research and Therapy</i> , 2012, 14, R181.	3.5	35
100	Developments in Glucocorticoid Therapy. <i>Rheumatic Disease Clinics of North America</i> , 2005, 31, 1-17.	1.9	34
101	Prevention of glucocorticoid morbidity in giant cell arteritis. <i>Rheumatology</i> , 2018, 57, ii11-ii21.	1.9	34
102	2018 EULAR recommendations for a core data set to support observational research and clinical care in giant cell arteritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1160-1166.	0.9	34
103	Polymyalgia Rheumatica and Giant Cell Arteritis. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 993.	7.4	34
104	Direct Crosstalk Between Cancer and Osteoblast Lineage Cells Fuels Metastatic Growth in Bone via Auto-Amplification of IL-6 and RANKL Signaling Pathways. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 1938-1949.	2.8	33
105	The OMERACT Core Domain Set for Outcome Measures for Clinical Trials in Polymyalgia Rheumatica. <i>Journal of Rheumatology</i> , 2017, 44, 1515-1521.	2.0	33
106	Inflammatory synovial fluid microenvironment drives primary human chondrocytes to actively take part in inflammatory joint diseases. <i>Immunologic Research</i> , 2012, 52, 169-175.	2.9	32
107	Glucocorticoid-targeted therapies for the treatment of rheumatoid arthritis. <i>Expert Opinion on Investigational Drugs</i> , 2017, 26, 187-195.	4.1	32
108	Harm, benefit and costs associated with low-dose glucocorticoids added to the treatment strategies for rheumatoid arthritis in elderly patients (GLORIA trial): study protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 67.	1.6	32

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109	Effect of Glucocorticoid Therapy on Glucocorticoid Receptors in Children with Autoimmune Diseases. <i>Pediatric Research</i> , 2001, 49, 130-135.	2.3	31
110	Effects of PVA coated nanoparticles on human immune cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 3429.	6.7	31
111	The novel strategy of glucocorticoid drug development via targeting nongenomic mechanisms. <i>Steroids</i> , 2015, 102, 27-31.	1.8	31
112	An updated review of glucocorticoid-related adverse events in patients with rheumatoid arthritis. <i>Expert Opinion on Drug Safety</i> , 2019, 18, 581-590.	2.4	30
113	CTLA-4 Mediates Inhibitory Function of Mesenchymal Stem/Stromal Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2312.	4.1	29
114	Administration of Tramadol or Buprenorphine via the drinking water for post-operative analgesia in a mouse-osteotomy model. <i>Scientific Reports</i> , 2019, 9, 10749.	3.3	29
115	Collagen I-based scaffolds negatively impact fracture healing in a mouse-osteotomy-model although used routinely in research and clinical application. <i>Acta Biomaterialia</i> , 2019, 86, 171-184.	8.3	29
116	Effects of methylprednisolone on the energy metabolism of quiescent and conA-stimulated thymocytes of the rat. <i>Bioscience Reports</i> , 1993, 13, 41-52.	2.4	28
117	Unraveling the role of hypoxia-inducible factor (HIF)-1 $\alpha$ and HIF-2 $\alpha$ in the adaption process of human microvascular endothelial cells (HMEC-1) to hypoxia: Redundant HIF-dependent regulation of macrophage migration inhibitory factor. <i>Microvascular Research</i> , 2018, 116, 34-44.	2.5	28
118	More Night Than Day – Circadian Rhythms in Polymyalgia Rheumatica and Ankylosing Spondylitis. <i>Journal of Rheumatology</i> , 2010, 37, 894-899.	2.0	27
119	Rheumatology Workforce Planning in Western Countries: A Systematic Literature Review. <i>Arthritis Care and Research</i> , 2016, 68, 1874-1882.	3.4	27
120	Fosdagrocorat (PF-04171327) versus prednisone or placebo in rheumatoid arthritis: a randomised, double-blind, multicentre, phase IIb study. <i>RMD Open</i> , 2019, 5, e000889.	3.8	27
121	Low-dose glucocorticoid therapy in rheumatoid arthritis: an obligatory therapy. <i>Annals of the New York Academy of Sciences</i> , 2010, 1193, 123-126.	3.8	26
122	Hydroxychloroquine in patients with inflammatory and erosive osteoarthritis of the hands (OA). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22</i>	1.6	25
123	Increased Periodontal Attachment Loss in Patients With Systemic Sclerosis. <i>Journal of Periodontology</i> , 2016, 87, 763-771.	3.4	25
124	Optimising both disease control and glucocorticoid dosing is essential for bone protection in patients with rheumatic disease. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1313-1322.	0.9	25
125	Will we ever have better glucocorticoids?. <i>Clinical Immunology</i> , 2018, 186, 64-66.	3.2	24
126	Hypoxia and mesenchymal stromal cells as key drivers of initial fracture healing in an equine in vitro fracture hematoma model. <i>PLoS ONE</i> , 2019, 14, e0214276.	2.5	24



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127	Challenges, collaboration, and innovation in rheumatology education during the COVID-19 pandemic: leveraging new ways to teach. <i>Clinical Rheumatology</i> , 2020, 39, 3535-3541.	2.2	24
128	Therapeutically targeting lymphocyte energy metabolism by high-dose glucocorticoids. <i>Biochemical Pharmacology</i> , 2000, 59, 597-603.	4.4	23
129	Impact of morning stiffness on working behaviour and performance in people with rheumatoid arthritis. <i>Rheumatology International</i> , 2014, 34, 1751-1758.	3.0	22
130	The supplementary therapeutic DMARD role of low-dose glucocorticoids in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2014, 16, S1.	3.5	22
131	Modification of the surface of superparamagnetic iron oxide nanoparticles to enable their safe application in humans. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 5883-5896.	6.7	22
132	Do the treatment with glucocorticoids and/or the disease itself drive the impairment in glucose metabolism in patients with rheumatoid arthritis?. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 1881-1883.	0.9	21
133	Cellular Energy Metabolism in T-Lymphocytes. <i>International Reviews of Immunology</i> , 2015, 34, 34-49.	3.3	21
134	Applicability of trials in rheumatoid arthritis and osteoarthritis: A systematic review and meta-analysis of trial populations showing adequate proportion of women, but underrepresentation of elderly people. <i>Seminars in Arthritis and Rheumatism</i> , 2019, 48, 983-989.	3.4	21
135	Impact of Janus Kinase Inhibition with Tofacitinib on Fundamental Processes of Bone Healing. <i>International Journal of Molecular Sciences</i> , 2020, 21, 865.	4.1	21
136	Oxygen consumption and mitochondrial membrane potential indicate developmental adaptation in energy metabolism of rat cortical neurons. <i>European Journal of Neuroscience</i> , 2005, 21, 2721-2732.	2.6	20
137	The selective estrogen receptor $\alpha$ agonist Org 37663 induces estrogenic effects but lacks antirheumatic activity: A phase IIa trial investigating efficacy and safety of Org 37663 in postmenopausal female rheumatoid arthritis patients receiving stable background methotrexate or sulfasalazine. <i>Arthritis and Rheumatism</i> , 2010, 62, 351-358.	6.7	20
138	Glucocorticoids in rheumatoid arthritis: the picture is shaping up. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 1785-1787.	0.9	20
139	The 70th anniversary of glucocorticoids in rheumatic diseases: the second youth of an old friend. <i>Rheumatology</i> , 2019, 58, 580-587.	1.9	20
140	Metabolism of T Lymphocytes in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , 2019, 342, 95-148.	3.2	20
141	A simple model that suggests possible cost savings when modified-release prednisone 5 mg/day is added to current treatment in patients with active rheumatoid arthritis. <i>Rheumatology</i> , 2013, 52, 1435-1437.	1.9	19
142	Delayed-release prednisone improves fatigue and health-related quality of life: findings from the CAPRA-2 double-blind randomised study in rheumatoid arthritis. <i>RMD Open</i> , 2015, 1, e000134.	3.8	19
143	Modified-release prednisone for polymyalgia rheumatica: a multicentre, randomised, active-controlled, double-blind, parallel-group study. <i>RMD Open</i> , 2017, 3, e000426.	3.8	19
144	Hydroxychloroquine in patients with inflammatory and erosive osteoarthritis of the hands: results of the OA-TREAT study—a randomised, double-blind, placebo-controlled, multicentre, investigator-initiated trial. <i>RMD Open</i> , 2021, 7, e001660.	3.8	19

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145	Inflammation, glucocorticoids and risk of cardiovascular disease. <i>Nature Clinical Practice Rheumatology</i> , 2009, 5, 18-19.	3.2	18
146	Preoperative irradiation for the prevention of heterotopic ossification induces local inflammation in humans. <i>Bone</i> , 2013, 55, 93-101.	2.9	18
147	Cytokine Expression in Human Osteoblasts After Antiseptic Treatment: A Comparative Study Between Polyhexanide and Chlorhexidine. <i>Journal of Investigative Surgery</i> , 2015, 28, 1-7.	1.3	17
148	Nanocoating with plant-derived pectins activates osteoblast response in vitro. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 239-249.	6.7	17
149	Workforce requirements in rheumatology: a systematic literature review informing the development of a workforce prediction risk of bias tool and the EULAR points to consider. <i>RMD Open</i> , 2018, 4, e000756.	3.8	17
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