

Johannes Roth

List of Publications by Year in descending order

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Version: 2024-02-01

156
papers

10,500
citations

44069

48
h-index

38395

95
g-index

160
all docs

160
docs citations

160
times ranked

12644
citing authors

#	ARTICLE	IF	CITATIONS
1	Mrp8 and Mrp14 are endogenous activators of Toll-like receptor 4, promoting lethal, endotoxin-induced shock. <i>Nature Medicine</i> , 2007, 13, 1042-1049.	30.7	1,207
2	The endogenous Toll-like receptor 4 agonist S100A8/S100A9 (calprotectin) as innate amplifier of infection, autoimmunity, and cancer. <i>Journal of Leukocyte Biology</i> , 2009, 86, 557-566.	3.3	698
3	Myeloid-related proteins 8 and 14 are specifically secreted during interaction of phagocytes and activated endothelium and are useful markers for monitoring disease activity in pauciarticular-onset juvenile rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2000, 43, 628.	6.7	356
4	Proinflammatory S100 proteins in arthritis and autoimmune disease. <i>Arthritis and Rheumatism</i> , 2004, 50, 3762-3771.	6.7	304
5	S100A8/A9: From basic science to clinical application. , 2016, 167, 120-131.		294
6	Loss of S100A9 (MRP14) Results in Reduced Interleukin-8-Induced CD11b Surface Expression, a Polarized Microfilament System, and Diminished Responsiveness to Chemoattractants In Vitro. <i>Molecular and Cellular Biology</i> , 2003, 23, 1034-1043.	2.3	287
7	Phagocyte-specific calcium-binding S100 proteins as clinical laboratory markers of inflammation. <i>Clinica Chimica Acta</i> , 2004, 344, 37-51.	1.1	280
8	Myeloid-related proteins 8 and 14 induce a specific inflammatory response in human microvascular endothelial cells. <i>Blood</i> , 2005, 105, 2955-2962.	1.4	276
9	The Toll-like receptor 4 ligands Mrp8 and Mrp14 are crucial in the development of autoreactive CD8+ T cells. <i>Nature Medicine</i> , 2010, 16, 713-717.	30.7	264
10	Generation of a new therapeutic peptide that depletes myeloid-derived suppressor cells in tumor-bearing mice. <i>Nature Medicine</i> , 2014, 20, 676-681.	30.7	199
11	Calcium-dependent Tetramer Formation of S100A8 and S100A9 is Essential for Biological Activity. <i>Journal of Molecular Biology</i> , 2006, 359, 961-972.	4.2	170
12	Active involvement of alarmins S100A8 and S100A9 in the regulation of synovial activation and joint destruction during mouse and human osteoarthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 1466-1476.	6.7	167
13	Autoinhibitory regulation of S100A8/S100A9 alarmin activity locally restricts sterile inflammation. <i>Journal of Clinical Investigation</i> , 2018, 128, 1852-1866.	8.2	166
14	Alarmin S100A8/S100A9 as a biomarker for molecular imaging of local inflammatory activity. <i>Nature Communications</i> , 2014, 5, 4593.	12.8	150
15	Biophysical characterization of S100A8 and S100A9 in the absence and presence of bivalent cations. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 1298-1306.	4.1	144
16	Distinct interferon signatures and cytokine patterns define additional systemic autoinflammatory diseases. <i>Journal of Clinical Investigation</i> , 2020, 130, 1669-1682.	8.2	142
17	Extracellular MRP8/14 is a regulator of β_2 integrin-dependent neutrophil slow rolling and adhesion. <i>Nature Communications</i> , 2015, 6, 6915.	12.8	141
18	Sodium chloride promotes pro-inflammatory macrophage polarization thereby aggravating CNS autoimmunity. <i>Journal of Autoimmunity</i> , 2016, 67, 90-101.	6.5	136

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19	S100A9 Interaction with TLR4 Promotes Tumor Growth. PLoS ONE, 2012, 7, e34207.	2.5	133
20	S100-alarmin-induced innate immune programming protects newborn infants from sepsis. Nature Immunology, 2017, 18, 622-632.	14.5	131
21	MRP8/14 serum levels as a strong predictor of response to biological treatments in patients with rheumatoid arthritis. Annals of the Rheumatic Diseases, 2015, 74, 499-505.	0.9	130
22	Transcriptional profiling of IKK2/NF- κ B and p38 MAP kinase-dependent gene expression in TNF-stimulated primary human endothelial cells. Blood, 2004, 103, 3365-3373.	1.4	127
23	More Than Suppression: Glucocorticoid Action on Monocytes and Macrophages. Frontiers in Immunology, 2019, 10, 2028.	4.8	126
24	Myeloid-Related Protein-14 Contributes to Protective Immunity in Gram-Negative Pneumonia Derived Sepsis. PLoS Pathogens, 2012, 8, e1002987.	4.7	123
25	Emergent high fatality lung disease in systemic juvenile arthritis. Annals of the Rheumatic Diseases, 2019, 78, 1722-1731.	0.9	122
26	Incident vertebral fractures among children with rheumatic disorders 12 months after glucocorticoid initiation: A national observational study. Arthritis Care and Research, 2012, 64, 122-131.	3.4	121
27	Calcium-mediated actin reset (CaAR) mediates acute cell adaptations. ELife, 2016, 5, .	6.0	121
28	Alarmins MRP8 and MRP14 Induce Stress Tolerance in Phagocytes under Sterile Inflammatory Conditions. Cell Reports, 2014, 9, 2112-2123.	6.4	118
29	Expression of myeloid-related proteins 8 and 14 in systemic-onset juvenile rheumatoid arthritis. Arthritis and Rheumatism, 2003, 48, 2622-2626.	6.7	113
30	Reactivation of dormant tumor cells by modified lipids derived from stress-activated neutrophils. Science Translational Medicine, 2020, 12, .	12.4	107
31	Peroxisome Proliferator-Activated Receptor- γ Modulates the Response of Macrophages to Lipopolysaccharide and Glucocorticoids. Frontiers in Immunology, 2018, 9, 893.	4.8	105
32	Single amino acid charge switch defines clinically distinct proline-serine-threonine phosphatase-interacting protein 1 (PSTPIP1)-associated inflammatory diseases. Journal of Allergy and Clinical Immunology, 2015, 136, 1337-1345.	2.9	103
33	S100 proteins in rheumatic diseases. Nature Reviews Rheumatology, 2018, 14, 528-541.	8.0	103
34	Incident Vertebral Fractures and Risk Factors in the First Three Years Following Glucocorticoid Initiation Among Pediatric Patients With Rheumatic Disorders. Journal of Bone and Mineral Research, 2015, 30, 1667-1675.	2.8	94
35	Nur77 serves as a molecular brake of the metabolic switch during T cell activation to restrict autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8017-E8026.	7.1	93
36	Teriflunomide treatment for multiple sclerosis modulates T cell mitochondrial respiration with affinity-dependent effects. Science Translational Medicine, 2019, 11, .	12.4	92

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37	Definitions for the Sonographic Features of Joints in Healthy Children. <i>Arthritis Care and Research</i> , 2015, 67, 136-142.	3.4	88
38	Preliminary Definitions for the Sonographic Features of Synovitis in Children. <i>Arthritis Care and Research</i> , 2017, 69, 1217-1223.	3.4	85
39	Blockade of Myeloid-Derived Suppressor Cell Expansion with All- <i>Trans</i> Retinoic Acid Increases the Efficacy of Antiangiogenic Therapy. <i>Cancer Research</i> , 2018, 78, 3220-3232.	0.9	84
40	Musculoskeletal abnormalities of the forearm in patients with juvenile idiopathic arthritis relate mainly to bone geometry. <i>Arthritis and Rheumatism</i> , 2004, 50, 1277-1285.	6.7	78
41	Ultrasound findings on patients with juvenile idiopathic arthritis in clinical remission. <i>Arthritis Care and Research</i> , 2011, 63, 1013-1019.	3.4	78
42	A subgroup of juvenile idiopathic arthritis patients who respond well to methotrexate are identified by the serum biomarker MRP8/14 protein. <i>Rheumatology</i> , 2013, 52, 1467-1476.	1.9	78
43	The risk and nature of flares in juvenile idiopathic arthritis: results from the ReACCh-Out cohort. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1092-1098.	0.9	72
44	Expression of Myeloid-Related Protein-8 and -14 in Patients With Acute Kawasaki Disease. <i>Journal of the American College of Cardiology</i> , 2006, 48, 1257-1264.	2.8	68
45	Transcriptome Assessment Reveals a Dominant Role for TLR4 in the Activation of Human Monocytes by the Alarmin MRP8. <i>Journal of Immunology</i> , 2015, 194, 575-583.	0.8	68
46	S100A8 and S100A9 Are Important for Postnatal Development of Gut Microbiota and Immune System in Mice and Infants. <i>Gastroenterology</i> , 2020, 159, 2130-2145.e5.	1.3	64
47	Elevated S100A8/A9 and S100A12 Serum Levels Reflect Intraocular Inflammation in Juvenile Idiopathic Arthritis-Associated Uveitis: Results From a Pilot Study. , 2015, 56, 7653.		63
48	The calcium-binding protein complex S100A8/A9 has a crucial role in controlling macrophage-mediated renal repair following ischemia/reperfusion. <i>Kidney International</i> , 2015, 87, 85-94.	5.2	63
49	Pervasive head-to-tail insertions of DNA templates mask desired CRISPR-Cas9-mediated genome editing events. <i>Science Advances</i> , 2020, 6, eaax2941.	10.3	62
50	Mrp14 Deficiency Ameliorates Amyloid β Burden by Increasing Microglial Phagocytosis and Modulation of Amyloid Precursor Protein Processing. <i>Journal of Neuroscience</i> , 2012, 32, 17824-17829.	3.6	60
51	Alarmin S100A9 Induces Proinflammatory and Catabolic Effects Predominantly in the M1 Macrophages of Human Osteoarthritic Synovium. <i>Journal of Rheumatology</i> , 2016, 43, 1874-1884.	2.0	58
52	MRP8 and MRP14, phagocyte-specific danger signals, are sensitive biomarkers of disease activity in cryopyrin-associated periodic syndromes. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, 2075-2081.	0.9	57
53	Alarmins of the S100-Family in Juvenile Autoimmune and Auto-Inflammatory Diseases. <i>Frontiers in Immunology</i> , 2019, 10, 182.	4.8	51
54	Common normal variants of pediatric vertebral development that mimic fractures: a pictorial review from a national longitudinal bone health study. <i>Pediatric Radiology</i> , 2015, 45, 593-605.	2.0	49

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55	Alarmin S100A8 Activates Alveolar Epithelial Cells in the Context of Acute Lung Injury in a TLR4-Dependent Manner. <i>Frontiers in Immunology</i> , 2017, 8, 1493.	4.8	49
56	Role of myeloid regulatory cells (MRCs) in maintaining tissue homeostasis and promoting tolerance in autoimmunity, inflammatory disease and transplantation. <i>Cancer Immunology, Immunotherapy</i> , 2019, 68, 661-672.	4.2	47
57	Tocilizumab for Severe Chronic Anterior Uveitis Associated with Juvenile Idiopathic Arthritis in a Pediatric Patient. <i>Ocular Immunology and Inflammation</i> , 2014, 22, 155-157.	1.8	45
58	Enthesal Changes in Response to Age, Body Mass Index, and Physical Activity: An Ultrasound Study in Healthy People. <i>Journal of Rheumatology</i> , 2020, 47, 968-972.	2.0	45
59	Similar effects of long-term exogenous growth hormone (GH) on bone and muscle parameters: A pQCT study of GH-deficient and small-for-gestational-age (SGA) children. <i>Bone</i> , 2007, 41, 875-881.	2.9	44
60	Nrf2 Is a Central Regulator of Metabolic Reprogramming of Myeloid-Derived Suppressor Cells in Steady State and Sepsis. <i>Frontiers in Immunology</i> , 2018, 9, 1552.	4.8	44
61	Responsiveness in Rheumatoid Arthritis. A Report from the OMERACT 11 Ultrasound Workshop. <i>Journal of Rheumatology</i> , 2014, 41, 379-382.	2.0	41
62	Impaired cellular energy metabolism in cord blood macrophages contributes to abortive response toward inflammatory threats. <i>Nature Communications</i> , 2019, 10, 1685.	12.8	41
63	Safeguard function of PU.1 shapes the inflammatory epigenome of neutrophils. <i>Nature Immunology</i> , 2019, 20, 546-558.	14.5	40
64	Growth and weight gain in children with juvenile idiopathic arthritis: results from the ReACCh-Out cohort. <i>Pediatric Rheumatology</i> , 2017, 15, 68.	2.1	39
65	Signaling mechanisms inducing hyporesponsiveness of phagocytes during systemic inflammation. <i>Blood</i> , 2019, 134, 134-146.	1.4	39
66	The Good and the Bad: Monocytesâ€™ and Macrophagesâ€™ Diverse Functions in Inflammation. <i>Cells</i> , 2022, 11, 1979.	4.1	39
67	S100-alarmins: potential therapeutic targets for arthritis. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 738-750.	3.4	38
68	Myeloid-related protein-8/14 facilitates bacterial growth during pneumococcal pneumonia. <i>Thorax</i> , 2014, 69, 1034-1042.	5.6	36
69	Novel Ultrasound Image Acquisition Protocol and Scoring System for the Pediatric Knee. <i>Arthritis Care and Research</i> , 2019, 71, 977-985.	3.4	36
70	In neonates S100A8/S100A9 alarmins prevent the expansion of a specific inflammatory monocyte population promoting septic shock. <i>FASEB Journal</i> , 2017, 31, 1153-1164.	0.5	35
71	Increased Plasma Levels of Danger-Associated Molecular Patterns Are Associated With Immune Suppression and Postoperative Infections in Patients Undergoing Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy. <i>Frontiers in Immunology</i> , 2018, 9, 663.	4.8	35
72	Osteoporosis in juvenile idiopathic arthritis- a practical approach to diagnosis and therapy. <i>European Journal of Pediatrics</i> , 2007, 166, 775-784.	2.7	33

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73	Dynamics of Body Composition and Bone in Patients with Juvenile Idiopathic Arthritis Treated with Growth Hormone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 178-185.	3.6	33
74	Current state of musculoskeletal ultrasound in paediatric rheumatology: results of an international survey. <i>Rheumatology</i> , 2014, 53, 491-496.	1.9	32
75	Expression and Function of S100A8/A9 (Calprotectin) in Human Typhoid Fever and the Murine Salmonella Model. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003663.	3.0	31
76	S100A8/A9 increases the mobilization of pro-inflammatory Ly6Chigh monocytes to the synovium during experimental osteoarthritis. <i>Arthritis Research and Therapy</i> , 2017, 19, 217.	3.5	31
77	Optical In Vivo Imaging of the Alarmin S100A9 in Tumor Lesions Allows for Estimation of the Individual Malignant Potential by Evaluation of Tumor-Host Cell Interaction. <i>Journal of Nuclear Medicine</i> , 2015, 56, 450-456.	5.0	30
78	Myeloid-Related Protein 14 Promotes Inflammation and Injury in Meningitis. <i>Journal of Infectious Diseases</i> , 2015, 212, 247-257.	4.0	30
79	Interleukin 17 Promotes Expression of Alarmins S100A8 and S100A9 During the Inflammatory Response of Keratinocytes. <i>Frontiers in Immunology</i> , 2020, 11, 599947.	4.8	30
80	Uncommon synovial cysts in children. <i>European Journal of Pediatrics</i> , 2006, 165, 178-181.	2.7	29
81	Trajectories of pain severity in juvenile idiopathic arthritis: results from the Research in Arthritis in Canadian Children Emphasizing Outcomes cohort. <i>Pain</i> , 2018, 159, 57-66.	4.2	29
82	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	29
83	Reliability of ultrasonography to detect inflammatory lesions and structural damage in juvenile idiopathic arthritis. <i>Pediatric Rheumatology</i> , 2018, 16, 58.	2.1	27
84	CD163 expression defines specific, IRF8-dependent, immune-modulatory macrophages in the bone marrow. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 146, 1137-1151.	2.9	27
85	Myeloid-related protein-14 deficiency promotes inflammation in staphylococcal pneumonia. <i>European Respiratory Journal</i> , 2015, 46, 464-473.	6.7	26
86	The farnesoid-X-receptor in myeloid cells controls CNS autoimmunity in an IL-10-dependent fashion. <i>Acta Neuropathologica</i> , 2016, 132, 413-431.	7.7	26
87	Immune Suppression via Glucocorticoid-Stimulated Monocytes: A Novel Mechanism To Cope with Inflammation. <i>Journal of Immunology</i> , 2014, 193, 1090-1099.	0.8	25
88	The OMERACT Ultrasound Working Group 10 Years On: Update at OMERACT 12. <i>Journal of Rheumatology</i> , 2015, 42, 2172-2176.	2.0	25
89	High Amounts of S100-Alarmins Confer Antimicrobial Activity on Human Breast Milk Targeting Pathogens Relevant in Neonatal Sepsis. <i>Frontiers in Immunology</i> , 2017, 8, 1822.	4.8	24
90	In Vivo Imaging of Pro- and Antitumoral Cellular Components of the Tumor Microenvironment. <i>Journal of Nuclear Medicine</i> , 2018, 59, 183-188.	5.0	24

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91	Imaging, myeloid precursor immortalization, and genome editing for defining mechanisms of leukocyte recruitment <i>in vivo</i> . <i>Theranostics</i> , 2018, 8, 2407-2423.	10.0	23
92	Dual action by fumaric acid esters synergistically reduces adhesion to human endothelium. <i>Multiple Sclerosis Journal</i> , 2018, 24, 1871-1882.	3.0	21
93	S100A8/A9, a potent serum and molecular imaging biomarker for synovial inflammation and joint destruction in seronegative experimental arthritis. <i>Arthritis Research and Therapy</i> , 2016, 18, 247.	3.5	20
94	Circulating calprotectin (S100A8/A9) is higher in rheumatoid arthritis patients that relapse within 12 months of tapering anti-rheumatic drugs. <i>Arthritis Research and Therapy</i> , 2019, 21, 268.	3.5	19
95	Glucocorticoid-related changes in body mass index among children and adolescents with rheumatic diseases. <i>Arthritis Care and Research</i> , 2013, 65, 113-121.	3.4	18
96	Challenges of Diagnosing Cognitive Dysfunction With Neuropsychiatric Systemic Lupus Erythematosus in Childhood. <i>Arthritis Care and Research</i> , 2017, 69, 1449-1459.	3.4	18
97	Transcriptome profiling of mouse colonic eosinophils reveals a key role for eosinophils in the induction of S100A8 and S100A9 in mucosal healing. <i>Scientific Reports</i> , 2017, 7, 7117.	3.3	18
98	Subcutaneous dosing regimens of tocilizumab in children with systemic or polyarticular juvenile idiopathic arthritis. <i>Rheumatology</i> , 2021, 60, 4568-4580.	1.9	18
99	Utility and feasibility of musculoskeletal ultrasonography (MSK US) in rheumatology practice in Canada: needs assessment. <i>Clinical Rheumatology</i> , 2011, 30, 1277-1283.	2.2	17
100	Differential pattern of Doppler signals at lower-extremity entheses of healthy children. <i>Pediatric Radiology</i> , 2019, 49, 1335-1343.	2.0	17
101	Frequency and Duration of Adrenal Suppression Following Glucocorticoid Therapy in Children With Rheumatic Diseases. <i>Arthritis Care and Research</i> , 2017, 69, 1224-1230.	3.4	16
102	IL-1 β -Mediated Activation of Adipose-Derived Mesenchymal Stromal Cells Results in PMN Reallocation and Enhanced Phagocytosis: A Possible Mechanism for the Reduction of Osteoarthritis Pathology. <i>Frontiers in Immunology</i> , 2019, 10, 1075.	4.8	16
103	Awareness of Fabry disease among rheumatologists—current status and perspectives. <i>Clinical Rheumatology</i> , 2011, 30, 467-475.	2.2	15
104	Procedural pain and patient-reported side effects with weekly injections of subcutaneous Methotrexate in children with rheumatic disorders. <i>Pediatric Rheumatology</i> , 2014, 12, 54.	2.1	15
105	Worse Quality of Life, Function, and Pain in Children With Enthesitis, Irrespective of Their Juvenile Arthritis Category. <i>Arthritis Care and Research</i> , 2020, 72, 441-446.	3.4	15
106	The cAMP response element modulator (CREM) regulates TH2 mediated inflammation. <i>Oncotarget</i> , 2015, 6, 38538-38551.	1.8	15
107	Imaging in Juvenile Spondyloarthritis. <i>Current Rheumatology Reports</i> , 2016, 18, 75.	4.7	14
108	Genetic modification of ER-Hoxb8 osteoclast precursors using CRISPR/Cas9 as a novel way to allow studies on osteoclast biology. <i>Journal of Leukocyte Biology</i> , 2017, 101, 957-966.	3.3	14

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109	Real-World Effectiveness of Common Treatment Strategies for Juvenile Idiopathic Arthritis: Results From a Canadian Cohort. <i>Arthritis Care and Research</i> , 2020, 72, 897-906.	3.4	14
110	K2P18.1 translates T cell receptor signals into thymic regulatory T cell development. <i>Cell Research</i> , 2022, 32, 72-88.	12.0	14
111	Temporal window for detection of inflammatory disease using dynamic cell tracking with time-lapse MRI. <i>Scientific Reports</i> , 2018, 8, 9563.	3.3	13
112	Fc γ 3 receptor-mediated influx of S100A8/A9-producing neutrophils as inducer of bone erosion during antigen-induced arthritis. <i>Arthritis Research and Therapy</i> , 2018, 20, 80.	3.5	13
113	Imaging in juvenile idiopathic arthritis – international initiatives and ongoing work. <i>Pediatric Radiology</i> , 2018, 48, 828-834.	2.0	12
114	MRP8/14 serum levels as diagnostic markers for systemic juvenile idiopathic arthritis in children with prolonged fever. <i>Rheumatology</i> , 2022, 61, 3082-3092.	1.9	12
115	Access to Biologic Therapies in Canada for Children with Juvenile Idiopathic Arthritis. <i>Journal of Rheumatology</i> , 2012, 39, 1875-1879.	2.0	11
116	Clinical and associated inflammatory biomarker features predictive of short-term outcomes in non-systemic juvenile idiopathic arthritis. <i>Rheumatology</i> , 2020, 59, 2402-2411.	1.9	11
117	Juvenile-Versus Adult-Onset Spondyloarthritis. <i>Rheumatic Disease Clinics of North America</i> , 2020, 46, 241-257.	1.9	11
118	Determination of the peptide binding motif and high-affinity ligands for HLA-DQ4 using synthetic peptide libraries. <i>Human Immunology</i> , 2004, 65, 594-601.	2.4	9
119	CREM Alpha Enhances IL-21 Production in T Cells In Vivo and In Vitro. <i>Frontiers in Immunology</i> , 2016, 7, 618.	4.8	9
120	The alarmin S100A9 hampers osteoclast differentiation from human circulating precursors by reducing the expression of RANK. <i>FASEB Journal</i> , 2019, 33, 10104-10115.	0.5	9
121	Emergence of Musculoskeletal Ultrasound Use in Pediatric Rheumatology. <i>Current Rheumatology Reports</i> , 2020, 22, 14.	4.7	9
122	S100A8/A9 is the first predictive marker for neonatal sepsis. <i>Clinical and Translational Medicine</i> , 2021, 11, e338.	4.0	9
123	Clinical and psychosocial stress factors are associated with decline in physical activity over time in children with juvenile idiopathic arthritis. <i>Pediatric Rheumatology</i> , 2021, 19, 97.	2.1	8
124	C/EBP β -induced epigenetic changes control the dynamic gene transcription of S100a8 and S100a9. <i>ELife</i> , 2022, 11, .	6.0	8
125	Analysis of monocyte cell tractions in 2.5D reveals mesoscale mechanics of podosomes during substrate-indenting cell protrusion. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	8
126	A21: Physical Activity in Children with Juvenile Idiopathic Arthritis (JIA): The LEAP (Linking Exercise,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 S33-S34.	5.6	7

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127	The alarmins S100A8 and S100A9 mediate acute pain in experimental synovitis. <i>Arthritis Research and Therapy</i> , 2020, 22, 199.	3.5	7
128	Immune Resolution Dilemma: Host Antimicrobial Factor S100A8/A9 Modulates Inflammatory Collateral Tissue Damage During Disseminated Fungal Peritonitis. <i>Frontiers in Immunology</i> , 2021, 12, 553911.	4.8	7
129	Development and reliability of a novel ultrasonographic joint-specific scoring system for synovitis with reference atlas for patients with juvenile idiopathic arthritis. <i>RMD Open</i> , 2021, 7, e001581.	3.8	7
130	Characterization of physical literacy in children with chronic medical conditions compared with healthy controls: a cross-sectional study. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 1073-1082.	1.9	7
131	Nox2 Deficiency Reduces Cartilage Damage and Ectopic Bone Formation in an Experimental Model for Osteoarthritis. <i>Antioxidants</i> , 2021, 10, 1660.	5.1	7
132	Toward Standardized Ultrasound Measurements of Cartilage Thickness in Children: Figure 1.. <i>Journal of Rheumatology</i> , 2010, 37, 2445-2447.	2.0	6
133	Predictive Value of Musculoskeletal Ultrasound for Flares in Juvenile Idiopathic Arthritis. <i>Journal of Rheumatology</i> , 2019, 46, 113.1-113.	2.0	6
134	Elevation of inflammatory S100A8/S100A9 complexes in intracranial aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 1117-1121.	3.3	6
135	Hepatic non-parenchymal S100A9-TLR4-mTORC1 axis normalizes diabetic ketogenesis. <i>Nature Communications</i> , 2022, 13, .	12.8	6
136	Melorheostosis of the hand in a 7-year-old girl. <i>Pediatric Radiology</i> , 2005, 35, 1215-1219.	2.0	5
137	Higher concentrations of vitamin D in Canadian children with juvenile idiopathic arthritis compared to healthy controls are associated with more frequent use of vitamin D supplements and season of birth. <i>Nutrition Research</i> , 2021, 92, 139-149.	2.9	5
138	Ultrasonography in pediatric rheumatology in Latin America. Expanding the frontiers. <i>Clinical Rheumatology</i> , 2016, 35, 1077-1080.	2.2	4
139	Aryl Hydrocarbon Receptor-Signaling Regulates Early <i>Leishmania major</i> -Induced Cytokine Expression. <i>Frontiers in Immunology</i> , 2019, 10, 2442.	4.8	4
140	Allergen-Specific Low Zone Tolerance Is Independent of MRP8/14-, TLR4-, TLR7-, and TLR9-Mediated Immune Processes. <i>Journal of Investigative Dermatology</i> , 2018, 138, 452-455.	0.7	3
141	Ultrasound findings of finger, wrist and knee joints in Mucopolysaccharidosis Type I. <i>Molecular Genetics and Metabolism</i> , 2021, 133, 289-296.	1.1	3
142	S100A8/A9 is not essential for the development of inflammation and joint pathology in interleukin-1 receptor antagonist knockout mice. <i>Arthritis Research and Therapy</i> , 2021, 23, 216.	3.5	3
143	Use of MRP8/14 in clinical practice as a predictor of outcome after methotrexate withdrawal in patients with juvenile idiopathic arthritis. <i>Clinical Rheumatology</i> , 2022, 41, 2825-2830.	2.2	3
144	Muscle problems in juvenile-onset acid maltase deficiency (Pompe disease). <i>Paediatrics and Child Health</i> , 2019, 24, 270-271.	0.6	2

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145	The Elusive but Painful Subtalar Joint in Rheumatoid Arthritis. <i>Journal of Rheumatology</i> , 2019, 46, 333-336.	2.0	2
146	In vivo imaging of microenvironmental and anti-PD-L1-mediated dynamics in cancer using S100A8/S100A9 as an imaging biomarker. <i>Neoplasia</i> , 2022, 28, 100792.	5.3	2
147	Panoramic X-rays. <i>Comprehensive Radiodiagnostics or Radiation Protection at all Costs?. Journal of Orofacial Orthopedics</i> , 2005, 66, 78-82.	1.3	1
148	A153: Long-term Outcomes of Childhood-onset Systemic Lupus Erythematosus in Adulthood. <i>Arthritis and Rheumatology</i> , 2014, 66, S198.	5.6	1
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