

# Arnd Kleyer

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

4,594  
citations

126708

33  
h-index

118652

62  
g-index

128  
all docs

128  
docs citations

128  
times ranked

5990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Structural Enteseal Lesions With an Increased Risk of Progression From Psoriasis to Psoriatic Arthritis. <i>Arthritis and Rheumatology</i> , 2022, 74, 253-262.	2.9	40
2	Microstructural Bone Changes Are Associated With <scp>Broadâ€‘Spectrum</scp> Autoimmunity and Predict the Onset of Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2022, 74, 418-426.	2.9	13
3	Humoral and Cellular Immune Responses to SARSâ€‘CoVâ€‘2 Infection and Vaccination in Autoimmune Disease Patients With B Cell Depletion. <i>Arthritis and Rheumatology</i> , 2022, 74, 33-37.	2.9	51
4	IgA anti-citrullinated protein antibodiesâ€‘are associated with flares during DMARD tapering in rheumatoid arthritis. <i>Rheumatology</i> , 2022, 61, 2124-2131.	0.9	12
5	Efficacy and safety of SARS-CoV-2 revaccination in non-responders with immune-mediated inflammatory disease. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1023-1027.	0.5	40
6	Clinical Images: Voriconazoleâ€‘induced synovitis, enthesitis, and periostitis. <i>Arthritis and Rheumatology</i> , 2022, 74, 1183-1183.	2.9	0
7	Changes in T2 Relaxation Time Mapping of Intervertebral Discs Adjacent to Vertebrae after Kyphoplasty Correlate with the Physical Clinical Outcome of Patients. <i>Diagnostics</i> , 2022, 12, 605.	1.3	1
8	Patient's Perception of Digital Symptom Assessment Technologies in Rheumatology: Results From a Multicentre Study. <i>Frontiers in Public Health</i> , 2022, 10, 844669.	1.3	17
9	Prospective Studies on the Risk of Rheumatoid Arthritis: The European Risk RA Registry. <i>Frontiers in Medicine</i> , 2022, 9, 824501.	1.2	1
10	Advanced neural networks for classification of MRI in psoriatic arthritis, seronegative, and seropositive rheumatoid arthritis. <i>Rheumatology</i> , 2022, 61, 4945-4951.	0.9	14
11	Impact of Cytokine Inhibitor Therapy on the Prevalence, Seroconversion Rate, and Longevity of the Humoral Immune Response Against <scp>SARS</scp>â€‘<scp>CoV</scp>â€‘2 in an Unvaccinated Cohort. <i>Arthritis and Rheumatology</i> , 2022, 74, 783-790.	2.9	9
12	The Disruption of Trust in the Digital Transformation Leading to Health 4.0. <i>Frontiers in Digital Health</i> , 2022, 4, 815573.	1.5	4
13	Deep Learning-Based Classification of Inflammatory Arthritis by Identification of Joint Shape Patternsâ€‘How Neural Networks Can Tell Us Where to â€‘Deep Diveâ€‘Clinically. <i>Frontiers in Medicine</i> , 2022, 9, 850552.	1.2	12
14	Concise report: a minimal-invasive method to retrieve and identify enteseal tissue from psoriatic arthritis patients. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 1131-1135.	0.5	6
15	Rheumatic?â€‘A Digital Diagnostic Decision Support Tool for Individuals Suspecting Rheumatic Diseases: A Multicenter Pilot Validation Study. <i>Frontiers in Medicine</i> , 2022, 9, 774945.	1.2	5
16	Effects of casirivimab/imdevimab on systemic and mucosal immunity against SARS-CoV-2 in B-cell depleted patients with autoimmune rheumatic diseases refractory to vaccination. <i>RMD Open</i> , 2022, 8, e002323.	1.8	2
17	Ultrasound-detected inflammation is more common in clinically manifest hand osteoarthritis than in painless bony enlarged finger joints: subanalysis of the population-based Bruneck study. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2022, 14, 1759720X2210963.	1.2	0
18	Accuracy and tolerability of self-sampling of capillary blood for analysis of inflammation and autoantibodies in rheumatoid arthritis patientsâ€‘results from a randomized controlled trial. <i>Arthritis Research and Therapy</i> , 2022, 24, .	1.6	23

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19	Clinical Images: Tissue remodeling in autoimmune statin-induced necrotizing autoimmune myopathy. <i>ACR Open Rheumatology</i> , 2022, 4, 835-836.	0.9	0
20	Regulatory eosinophils induce the resolution of experimental arthritis and appear in remission state of human rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 451-468.	0.5	43
21	Herpes simplex infection in a patient with rheumatoid arthritis treated with baricitinib: a case report. <i>Rheumatology</i> , 2021, 60, e122-e123.	0.9	7
22	Evaluation of Optical and Radar Based Motion Capturing Technologies for Characterizing Hand Movement in Rheumatoid Arthritis—A Pilot Study. <i>Sensors</i> , 2021, 21, 1208.	2.1	4
23	Advanced machine learning for predicting individual risk of flares in rheumatoid arthritis patients tapering biologic drugs. <i>Arthritis Research and Therapy</i> , 2021, 23, 67.	1.6	29
24	Digital rheumatology in the era of COVID-19: results of a national patient and physician survey. <i>RMD Open</i> , 2021, 7, e001548.	1.8	74
25	Sustained clinical remission under infliximab/rituximab combination therapy in a patient with granulomatosis with polyangiitis. <i>Autoimmunity Highlights</i> , 2021, 12, 5.	3.9	7
26	Accuracy, patient-perceived usability, and acceptance of two symptom checkers (Ada and Rheport) in rheumatology: interim results from a randomized controlled crossover trial. <i>Arthritis Research and Therapy</i> , 2021, 23, 112.	1.6	40
27	Deep learning methods allow fully automated segmentation of metacarpal bones to quantify volumetric bone mineral density. <i>Scientific Reports</i> , 2021, 11, 9697.	1.6	9
28	The complement system drives local inflammatory tissue priming by metabolic reprogramming of synovial fibroblasts. <i>Immunity</i> , 2021, 54, 1002-1021.e10.	6.6	106
29	A Virtual Reality-Based App to Educate Health Care Professionals and Medical Students About Inflammatory Arthritis: Feasibility Study. <i>JMIR Serious Games</i> , 2021, 9, e23835.	1.7	7
30	SARS-CoV-2 vaccination responses in untreated, conventionally treated and anticytokine-treated patients with immune-mediated inflammatory diseases. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 1312-1316.	0.5	154
31	Biomechanical stress in the context of competitive sports training triggers enthesitis. <i>Arthritis Research and Therapy</i> , 2021, 23, 172.	1.6	8
32	Performance of a Handheld Ultrasound Device to Assess Articular and Periarticular Pathologies in Patients with Inflammatory Arthritis. <i>Diagnostics</i> , 2021, 11, 1139.	1.3	11
33	Correspondence on Immunogenicity and safety of anti-SARS-CoV-2 mRNA vaccines in patients with chronic inflammatory conditions and immunosuppressive therapy in a monocentric cohort™. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, e161-e161.	0.5	11
34	Quality of a Supporting Mobile App for Rheumatic Patients: Patient-Based Assessment Using the User Version of the Mobile Application Scale (uMARS). <i>Frontiers in Medicine</i> , 2021, 8, 715345.	1.2	18
35	gagCEST imaging at 3T MRI in patients with articular cartilage lesions of the knee and intraoperative validation. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 1163-1172.	0.6	16
36	Digital Approaches for a Reliable Early Diagnosis of Psoriatic Arthritis. <i>Frontiers in Medicine</i> , 2021, 8, 718922.	1.2	6

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37	Accuracy and usability of a diagnostic decision support system in the diagnosis of three representative rheumatic diseases: a randomized controlled trial among medical students. <i>Arthritis Research and Therapy</i> , 2021, 23, 233.	1.6	15
38	Long-term B-lymphocyte depletion and remission of granulomatosis with polyangiitis after two courses of rituximab treatment. <i>Rheumatology</i> , 2021, 60, e162-e164.	0.9	2
39	Treatment tapering and stopping in patients with rheumatoid arthritis in stable remission (RETRO): a multicentre, randomised, controlled, open-label, phase 3 trial. <i>Lancet Rheumatology</i> , The, 2021, 3, e767-e777.	2.2	13
40	Reduced Muscle Strength Is Associated With Insulin Resistance in Type 2 Diabetes Patients With Osteoarthritis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e1062-e1073.	1.8	6
41	Successful treatment of refractory palmoplantar psoriasis in a psoriatic arthritis patient with the JAK inhibitor tofacitinib. <i>Clinical and Experimental Rheumatology</i> , 2021, 39, 228.	0.4	1
42	TELERAA™ Asynchronous TELEmedicine for Patients With Rheumatoid Arthritis: Study Protocol for a Prospective, Multi-Center, Randomized Controlled Trial. <i>Frontiers in Medicine</i> , 2021, 8, 791715.	1.2	10
43	Successful treatment of refractory palmoplantar psoriasis in a psoriatic arthritis patient with the JAK inhibitor tofacitinib. <i>Clinical and Experimental Rheumatology</i> , 2021, 39, 228-228.	0.4	2
44	Quantitative T2 Mapping Shows Increased Degeneration in Adjacent Intervertebral Discs Following Kyphoplasty. <i>Cartilage</i> , 2020, 11, 152-159.	1.4	22
45	Calcium pyrophosphate deposition disease induced inflammatory back pain. <i>Rheumatology</i> , 2020, 59, 456-456.	0.9	1
46	T2 Mapping as a New Method for Quantitative Assessment of Cartilage Damage in Rheumatoid Arthritis. <i>Journal of Rheumatology</i> , 2020, 47, 820-825.	1.0	12
47	Effects of Conventional Uric Acid-Lowering Therapy on Monosodium Urate Crystal Deposits. <i>Arthritis and Rheumatology</i> , 2020, 72, 150-156.	2.9	33
48	IgA subclasses have different effector functions associated with distinct glycosylation profiles. <i>Nature Communications</i> , 2020, 11, 120.	5.8	141
49	A Detailed Analysis of the Association between Urate Deposition and Erosions and Osteophytes in Gout. <i>ACR Open Rheumatology</i> , 2020, 2, 565-572.	0.9	5
50	Massive nodulous lesions on hands and feet in a RA patient and improvement under baricitinib treatment. <i>RMD Open</i> , 2020, 6, e001493.	1.8	1
51	Similar Impact of Psoriatic Arthritis and Rheumatoid Arthritis on Objective and Subjective Parameters of Hand Function. <i>ACR Open Rheumatology</i> , 2020, 2, 734-740.	0.9	9
52	Disentangling inflammatory from fibrotic disease activity by fibroblast activation protein imaging. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 1485-1491.	0.5	111
53	Patients with immune-mediated inflammatory diseases receiving cytokine inhibitors have low prevalence of SARS-CoV-2 seroconversion. <i>Nature Communications</i> , 2020, 11, 3774.	5.8	78
54	Secukinumab leads to shifts from stage-based towards response-based disease clusters™ comparative data from very early and established psoriatic arthritis. <i>Arthritis Research and Therapy</i> , 2020, 22, 207.	1.6	1

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55	Bone Mass, Bone Microstructure and Biomechanics in Patients with Hand Osteoarthritis. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1695-1702.	3.1	13
56	Comprehensive assessment of knee joint synovitis at 7T MRI using contrast-enhanced and non-enhanced sequences. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 116.	0.8	12
57	JAK inhibition increases bone mass in steady-state conditions and ameliorates pathological bone loss by stimulating osteoblast function. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	80
58	Bone microstructure and volumetric bone mineral density in patients with hyperuricemia with and without psoriasis. <i>Osteoporosis International</i> , 2020, 31, 931-939.	1.3	4
59	Quantification of hand muscle volume and composition in patients with rheumatoid arthritis, psoriatic arthritis and psoriasis. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 203.	0.8	1
60	Targeting zonulin and intestinal epithelial barrier function to prevent onset of arthritis. <i>Nature Communications</i> , 2020, 11, 1995.	5.8	253
61	Acceptance, Usage, and Barriers of Electronic Patient-Reported Outcomes Among German Rheumatologists: Survey Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e18117.	1.8	35
62	Mobile Health Usage, Preferences, Barriers, and eHealth Literacy in Rheumatology: Patient Survey Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e19661.	1.8	121
63	Machine Learning Electronic Health Record Identification of Patients with Rheumatoid Arthritis: Algorithm Pipeline Development and Validation Study. <i>JMIR Medical Informatics</i> , 2020, 8, e23930.	1.3	29
64	Effects of ustekinumab versus tumor necrosis factor inhibition on enthesitis: Results from the enthesial clearance in psoriatic arthritis (ECLIPSA) study. <i>Seminars in Arthritis and Rheumatism</i> , 2019, 48, 632-637.	1.6	106
65	Locally renewing resident synovial macrophages provide a protective barrier for the joint. <i>Nature</i> , 2019, 572, 670-675.	13.7	345
66	Disease interception with interleukin-17 inhibition in high-risk psoriasis patients with subclinical joint inflammation—data from the prospective IVEPSA study. <i>Arthritis Research and Therapy</i> , 2019, 21, 178.	1.6	67
67	Effect of disease-modifying anti-rheumatic drugs on bone structure and strength in psoriatic arthritis patients. <i>Arthritis Research and Therapy</i> , 2019, 21, 162.	1.6	32
68	Development of Joint Erosions in the Preclinical Phase of Rheumatoid Arthritis Depicted by Cinematic Rendering. <i>Arthritis and Rheumatology</i> , 2019, 71, 1592-1592.	2.9	4
69	The ageing joint-standard age- and sex-related values of bone erosions and osteophytes in the hand joints of healthy individuals. <i>Osteoarthritis and Cartilage</i> , 2019, 27, 1043-1047.	0.6	13
70	AB0795—IMPACT OF PRIMARY HAND OSTEOARTHRITIS ON MICROSTRUCTURE AND BIOMECHANICS IN FINGER JOINTS. , 2019, , .		0
71	AB0756—COMPARATIVE CHANGE IN QUALITY OF LIFE MEASURES IN PRECLINICAL AND ESTABLISHED PSORIATIC ARTHRITIS PATIENTS UNDER SECUKINUMAB TREATMENT. DATA DERIVED FROM THE PROSPECTIVE OPEN LABEL PSARTROS STUDY. , 2019, , .		0
72	THU0620—THE PHYSIOLOGICAL FINGER JOINT ARCHITECTURE — AGE-RELATED INCREASE OF EROSIONS AND OSTEOPHYTES IN THE JOINTS OF HEALTHY INDIVIDUALS. , 2019, , .		0

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73	THU0100â€¦PHYSICAL FUNCTION IN RA PATIENTS IN REMISSION UNDERGOING TAPERING AND/OR STOPPING OF DMARDS. , 2019, , .		0
74	SAT0413â€¦SIZE MATTERS â€œ EXTENT OF MONOSODIUM URATE DEPOSITS BUT NOT SERUM URATE LEVEL PREDICTS COMPLETE RESOLUTION OF MONOSODIUM URATE CRYSTAL DEPOSITS IN PATIENTS WITH GOUT. , 2019, , .		0
75	AB0256â€¦PREDICTION OF DISEASE RELAPSES BY MULTIBIOMARKER DISEASE ACTIVITY SCORE AND AUTOANTIBODY STATUS IN RA PATIENTS TAPERING DMARD TREATMENT â€œ AN UPDATE OF THE RETRO STUDY. , 2019, , .		0
76	OPO117â€¦MICRO-STRUCTURAL CHANGES ASSOCIATED WITH ANTI-CITRULLINATED VIMENTIN AUTOIMMUNITY IN RA-AT-RISK INDIVIDUALS PRECIPITATE THE ONSET OF RHEUMATOID ARTHRITIS. , 2019, , .		1
77	AB1325â€¦HAND FUNCTION IS IMPAIRED IN PATIENTS WITH RHEUMATOID ARTHRITIS, PSORIATIC ARTHRITIS, AND PSORIASIS COMPARED TO HEALTHY CONTROLS. , 2019, , .		1
78	FRI0124â€¦FACTORS ASSOCIATED WITH PERSISTENT DRUG-FREE REMISSION IN PATIENTS WITH RHEUMATOID ARTHRITIS. , 2019, , .		0
79	THU0612â€¦KNEE JOINT PAIN IN AN ELDERLY, HEALTHY POPULATION IS ASSOCIATED WITH INFLAMMATORY ARTICULAR AND ENTHESEAL CHANGES DETECTED BY ULTRASOUND. , 2019, , .		0
80	SAT0399â€¦EFFECT OF DISEASE-MODIFYING ANTI-RHEUMATIC DRUGS ON BONE STRUCTURE AND STRENGTH IN PSORIATIC ARTHRITIS PATIENTS. , 2019, , .		3
81	Modular Lattice Constructs for Biological Joint Resurfacing. Tissue Engineering - Part A, 2019, 25, 1053-1062.	1.6	3
82	Cost-effective Tapering Algorithm in Patients with Rheumatoid Arthritis: Combination of Multibiomearker Disease Activity Score and Autoantibody Status. Journal of Rheumatology, 2019, 46, 460-466.	1.0	9
83	German Mobile Apps in Rheumatology: Review and Analysis Using the Mobile Application Rating Scale (MARS). JMIR MHealth and UHealth, 2019, 7, e14991.	1.8	134
84	Biomechanical properties of bone are impaired in patients with ACPA-positive rheumatoid arthritis and associated with the occurrence of fractures. Annals of the Rheumatic Diseases, 2018, 77, 973-980.	0.5	31
85	Cutting Edge: Homeostasis of Innate Lymphoid Cells Is Imbalanced in Psoriatic Arthritis. Journal of Immunology, 2018, 200, 1249-1254.	0.4	74
86	Methods for segmentation of rheumatoid arthritis bone erosions in high-resolution peripheral quantitative computed tomography (HR-pQCT). Seminars in Arthritis and Rheumatism, 2018, 47, 611-618.	1.6	32
87	Hard Palate Hyperpigmentationâ€œa Rare Side Effect of Antimalarials. Arthritis and Rheumatology, 2018, 70, 152-152.	2.9	5
88	Simultaneous quantification of bone erosions and enthesiophytes in the joints of patients with psoriasis or psoriatic arthritis - effects of age and disease duration. Arthritis Research and Therapy, 2018, 20, 203.	1.6	35
89	Cortical bone loss is an early feature of nonradiographic axial spondyloarthritis. Arthritis Research and Therapy, 2018, 20, 202.	1.6	20
90	Resolution of synovitis and arrest of catabolic and anabolic bone changes in patients with psoriatic arthritis by IL-17A blockade with secukinumab: results from the prospective PSARTROS study. Arthritis Research and Therapy, 2018, 20, 153.	1.6	60

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91	A comparative analysis of articular bone in large cohort of patients with chronic inflammatory diseases of the joints, the gut and the skin. <i>Bone</i> , 2018, 116, 87-93.	1.4	28
92	Antimodified protein antibody response pattern influences the risk for disease relapse in patients with rheumatoid arthritis tapering disease modifying antirheumatic drugs. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 399-407.	0.5	48
93	Development of three-dimensional prints of arthritic joints for supporting patients' awareness to structural damage. <i>Arthritis Research and Therapy</i> , 2017, 19, 34.	1.6	17
94	Early Changes of the Cortical Microchannel System in the Bare Area of the Joints of Patients With Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2017, 69, 1580-1587.	2.9	35
95	Reply to: Osteoporosis: An Independent Determinant of Bone Erosions in Rheumatoid Arthritis?. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 2144-2144.	3.1	0
96	Age- and Sex-Dependent Changes of Intra-articular Cortical and Trabecular Bone Structure and the Effects of Rheumatoid Arthritis. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 722-730.	3.1	35
97	Regulation of autoantibody activity by the IL-23/TH17 axis determines the onset of autoimmune disease. <i>Nature Immunology</i> , 2017, 18, 104-113.	7.0	274
98	High prevalence of tenosynovial inflammation before onset of rheumatoid arthritis and its link to progression to RA: A combined MRI/CT study. <i>Seminars in Arthritis and Rheumatism</i> , 2016, 46, 143-150.	1.6	43
99	Th2 and eosinophil responses suppress inflammatory arthritis. <i>Nature Communications</i> , 2016, 7, 11596.	5.8	98
100	Quantification and Impact of Secondary Osteoarthritis in Patients With Anti-Citrullinated Protein Antibody-Positive Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , 2016, 68, 2114-2121.	2.9	45
101	Relapse rates in patients with rheumatoid arthritis in stable remission tapering or stopping antirheumatic therapy: interim results from the prospective randomised controlled RETRO study. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 45-51.	0.5	165
102	Analysis of periarticular bone changes in patients with cutaneous psoriasis without associated psoriatic arthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 660-666.	0.5	62
103	High-resolution Quantitative Computed Tomography Demonstrates Structural Defects in Cortical and Trabecular Bone in IBD Patients. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 532-540.	0.6	28
104	Subclinical joint inflammation in patients with psoriasis without concomitant psoriatic arthritis: a cross-sectional and longitudinal analysis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 2068-2074.	0.5	86
105	Prediction of disease relapses by multibiomarker disease activity and autoantibody status in patients with rheumatoid arthritis on tapering DMARD treatment. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1637-1644.	0.5	73
106	Quantitative and Qualitative Changes of Bone in Psoriasis and Psoriatic Arthritis Patients. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1775-1783.	3.1	58
107	Tophus resolution with pegloticase: a prospective dual-energy CT study. <i>RMD Open</i> , 2015, 1, e000075-e000075.	1.8	71
108	A comparative analysis of magnetic resonance imaging and high-resolution peripheral quantitative computed tomography of the hand for the detection of erosion repair in rheumatoid arthritis. <i>Rheumatology</i> , 2015, 54, 1573-1581.	0.9	25

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109	Signature of circulating microRNAs in osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, e18-e18.	0.5	130
110	Arthritis and bone loss. <i>Current Opinion in Rheumatology</i> , 2014, 26, 80-84.	2.0	41
111	Bone loss before the clinical onset of rheumatoid arthritis in subjects with anticitrullinated protein antibodies. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 854-860.	0.5	269
112	PPAR $\alpha$ governs Wnt signaling and bone turnover. <i>Nature Medicine</i> , 2013, 19, 608-613.	15.2	98
113	Liver X receptors orchestrate osteoblast/osteoclast crosstalk and counteract pathologic bone loss. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 2442-2451.	3.1	35