

# Frances Humby

## List of Publications by Year in descending order

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84  
papers

3,533  
citations

196777

29  
h-index

190340

53  
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87  
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87  
docs citations

87  
times ranked

4019  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ectopic Lymphoid Structures Support Ongoing Production of Class-Switched Autoantibodies in Rheumatoid Synovium. <i>PLoS Medicine</i> , 2009, 6, e1.	3.9	443
2	Lactate Buildup at the Site of Chronic Inflammation Promotes Disease by Inducing CD4+ T Cell Metabolic Rewiring. <i>Cell Metabolism</i> , 2019, 30, 1055-1074.e8.	7.2	266
3	Molecular Portraits of Early Rheumatoid Arthritis Identify Clinical and Treatment Response Phenotypes. <i>Cell Reports</i> , 2019, 28, 2455-2470.e5.	2.9	241
4	Synovial cellular and molecular signatures stratify clinical response to csDMARD therapy and predict radiographic progression in early rheumatoid arthritis patients. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 761-772.	0.5	219
5	EULAR definition of arthralgia suspicious for progression to rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 491-496.	0.5	209
6	New learnings on the pathophysiology of RA from synovial biopsies. <i>Current Opinion in Rheumatology</i> , 2013, 25, 334-344.	2.0	189
7	Synovial tissue research: a state-of-the-art review. <i>Nature Reviews Rheumatology</i> , 2017, 13, 463-475.	3.5	175
8	Ultrasound-guided synovial biopsy: a safe, well-tolerated and reliable technique for obtaining high-quality synovial tissue from both large and small joints in early arthritis patients. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 611-617.	0.5	149
9	Rituximab versus tocilizumab in anti-TNF inadequate responder patients with rheumatoid arthritis (R4RA): 16-week outcomes of a stratified, biopsy-driven, multicentre, open-label, phase 4 randomised controlled trial. <i>Lancet, The</i> , 2021, 397, 305-317.	6.3	145
10	Secondary and ectopic lymphoid tissue responses in rheumatoid arthritis: from inflammation to autoimmunity and tissue damage/remodeling. <i>Immunological Reviews</i> , 2010, 233, 267-285.	2.8	127
11	Mature antigen-experienced T helper cells synthesize and secrete the B cell chemoattractant CXCL13 in the inflammatory environment of the rheumatoid joint. <i>Arthritis and Rheumatism</i> , 2008, 58, 3377-3387.	6.7	124
12	Rituximab versus tocilizumab in rheumatoid arthritis: synovial biopsy-based biomarker analysis of the phase 4 R4RA randomized trial. <i>Nature Medicine</i> , 2022, 28, 1256-1268.	15.2	105
13	Epstein-Barr virus persistence and infection of autoreactive plasma cells in synovial lymphoid structures in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, 1559-1568.	0.5	100
14	Synovial tissue signatures enhance clinical classification and prognostic/treatment response algorithms in early inflammatory arthritis and predict requirement for subsequent biological therapy: results from the pathobiology of early arthritis cohort (PEAC). <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1642-1652.	0.5	85
15	Integrative analysis reveals CD38 as a therapeutic target for plasma cell-rich pre-disease and established rheumatoid arthritis and systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2018, 20, 85.	1.6	83
16	Immune checkpoint inhibitor PD-1 pathway is down-regulated in synovium at various stages of rheumatoid arthritis disease progression. <i>PLoS ONE</i> , 2018, 13, e0192704.	1.1	82
17	Immunohistological assessment of the synovial tissue in small joints in rheumatoid arthritis: validation of a minimally invasive ultrasound-guided synovial biopsy procedure. <i>Arthritis Research and Therapy</i> , 2007, 9, R101.	1.6	63
18	High expression levels of the B cell chemoattractant CXCL13 in rheumatoid synovium are a marker of severe disease. <i>Rheumatology</i> , 2014, 53, 1886-1895.	0.9	63

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19	A Pauci-Immune Synovial Pathotype Predicts Inadequate Response to TNF±-Blockade in Rheumatoid Arthritis Patients. <i>Frontiers in Immunology</i> , 2020, 11, 845.	2.2	55
20	Mast cells in early rheumatoid arthritis associate with disease severity and support B cell autoantibody production. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1773-1781.	0.5	52
21	Inflammatory cytokines shape a changing DNA methylome in monocytes mirroring disease activity in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 1505-1516.	0.5	47
22	Synoviocyte-targeted therapy synergizes with TNF inhibition in arthritis reversal. <i>Science Advances</i> , 2020, 6, eaba4353.	4.7	43
23	Use of Ultrasound-Guided Small Joint Biopsy to Evaluate the Histopathologic Response to Rheumatoid Arthritis Therapy: Recommendations for Application to Clinical Trials. <i>Arthritis and Rheumatology</i> , 2015, 67, 2601-2610.	2.9	39
24	Higher expression of TNF±-induced genes in the synovium of patients with early rheumatoid arthritis correlates with disease activity, and predicts absence of response to first line therapy. <i>Arthritis Research and Therapy</i> , 2016, 18, 19.	1.6	39
25	Synovial Tissue Heterogeneity and Peripheral Blood Biomarkers. <i>Current Rheumatology Reports</i> , 2011, 13, 440-448.	2.1	38
26	Angiogenic gene expression and vascular density are reflected in ultrasonographic features of synovitis in early rheumatoid arthritis: an observational study. <i>Arthritis Research and Therapy</i> , 2015, 17, 58.	1.6	34
27	B Cell Synovitis and Clinical Phenotypes in Rheumatoid Arthritis: Relationship to Disease Stages and Drug Exposure. <i>Arthritis and Rheumatology</i> , 2020, 72, 714-725.	2.9	33
28	A Multicenter Retrospective Analysis Evaluating Performance of Synovial Biopsy Techniques in Patients With Inflammatory Arthritis. <i>Arthritis and Rheumatology</i> , 2018, 70, 702-710.	2.9	32
29	Patient-reported outcomes and safety in patients undergoing synovial biopsy: comparison of ultrasound-guided needle biopsy, ultrasound-guided portal and forceps and arthroscopic-guided synovial biopsy techniques in five centres across Europe. <i>RMD Open</i> , 2018, 4, e000799.	1.8	31
30	Evaluation of Minimally Invasive, Ultrasound-guided Synovial Biopsy Techniques by the OMERACT Filter "Determining Validation Requirements. <i>Journal of Rheumatology</i> , 2016, 43, 208-213.	1.0	30
31	Standardisation of synovial biopsy analyses in rheumatic diseases: a consensus of the EULAR Synovitis and OMERACT Synovial Tissue Biopsy Groups. <i>Arthritis Research and Therapy</i> , 2018, 20, 265.	1.6	29
32	Ultrasound-guided synovial biopsy: a systematic review according to the OMERACT filter and recommendations for minimal reporting standards in clinical studies. <i>Rheumatology</i> , 2015, 54, 1867-1875.	0.9	23
33	The synovial membrane as a prognostic tool in rheumatoid arthritis. <i>Autoimmunity Reviews</i> , 2007, 6, 248-252.	2.5	16
34	Treatment-resistant synovitis and radiographic progression are increased in elderly-onset rheumatoid arthritis patients: findings from a prospective observational longitudinal early arthritis cohort study. <i>Seminars in Arthritis and Rheumatism</i> , 2020, 50, 735-743.	1.6	15
35	A synovial pathergy reaction leading to a pseudo-septic arthritis and a diagnosis of Behcet's disease. <i>Rheumatology</i> , 2008, 47, 1255-1256.	0.9	14
36	Efficacy, Safety, and Sample Quality of Ultrasound-Guided Synovial Needle Biopsy in Clinical Practice and Research: A Prospective Observational Study. <i>Arthritis Care and Research</i> , 2020, 72, 1497-1505.	1.5	14

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37	The Relationship Between Synovial Pathobiology and Magnetic Resonance Imaging Abnormalities in Rheumatoid Arthritis: A Systematic Review. <i>Journal of Rheumatology</i> , 2017, 44, 1311-1324.	1.0	11
38	Factors associated with physical activity engagement among adults with rheumatoid arthritis: A cross-sectional study. <i>Musculoskeletal Care</i> , 2019, 17, 163-173.	0.6	10
39	Mycophenolate mofetil inducing remission of lupus enteritis. <i>Lupus</i> , 2012, 21, 556-558.	0.8	7
40	B cell distribution and activation-induced cytidine deaminase expression in rheumatoid synovitis: clinical and bio-molecular correlates. <i>Annals of the Rheumatic Diseases</i> , 2011, 70, A55-A55.	0.5	3
41	Response to: "Synovial cellular and molecular signatures stratify clinical response to csDMARD therapy and predict radiographic progression in early rheumatoid arthritis patients" by Buch et al. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, e141-e141.	0.5	3
42	THU0058...B CELL SYNOVITIS AND CLINICAL PHENOTYPES IN RHEUMATOID ARTHRITIS AT DIFFERENT DISEASE STAGES. , 2019, , .		2
43	OP0113...HISTOLOGICAL AND MOLECULAR PORTRAIT OF THE SYNOVIAL TISSUE IN EARLY TREATMENT-NAÏVE PSORIATIC ARTHRITIS IN COMPARISON WITH RHEUMATOID ARTHRITIS. , 2019, , .		2
44	Fibrocytes in early and long-standing rheumatoid arthritis: a 6-month trial with repeated synovial biopsy, imaging and lung function test. <i>RMD Open</i> , 2021, 7, e001494.	1.8	2
45	Editorial: Synovial Tissue: Turning the Page to Precision Medicine in Arthritis?. <i>Frontiers in Medicine</i> , 2021, 8, 749062.	1.2	2
46	Ultrasound-guided synovial biopsy of the wrist does not alter subsequent clinical or ultrasound disease activity assessments: a prospective study for incorporation of imaging in clinical trials. <i>Clinical and Experimental Rheumatology</i> , 2016, 34, 802-807.	0.4	2
47	OP0054...Ultrasound Synovitis Reflects Synovial Inflammation at A Histopathological Level: Table 1.. <i>Annals of the Rheumatic Diseases</i> , 2014, 73, 81.1-81.	0.5	1
48	THU0033...A Functional Inhibitory Role for the GAS6/MERTK Axis in Modulating Synovial Inflammation in Rheumatoid Arthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 204.2-204.	0.5	1
49	OP0208...Synovial Immunopathology Defines Clinical Responsiveness to Dmard Therapy in Early Psoriatic Arthritis: A Pre- and Post-Treatment Mechanistic Study Using a Minimally Invasive Ultrasound-Guided Synovial Biopsy Procedure. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 149.3-150.	0.5	1
50	THU0116...Higher Ultrasound Synovitis in Elderly-Onset Rheumatoid Arthritis as Compared to Younger-Onset: THE Barts Early Arthritis Cohort. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 236.1-236.	0.5	1
51	Wrist ultrasound - the model method for grey-scale and power Doppler scoring. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 441-442.	0.5	1
52	P214...Preliminary results: driving improvements in disease outcomes for rheumatoid arthritis patients using remote disease activity monitoring via smartphone app. <i>Rheumatology</i> , 2020, 59, .	0.9	1
53	THU0087...Synovial Ectopic Lymphoid-like Structures are Associated with Diagnosis of Rheumatoid Arthritis, Disease Activity and Antibody Status in Early Arthritis Patients. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, A192.2-A192.	0.5	0
54	A6.5...Synovial Lymphoid Structures Support Epstein-Barr Virus Persistence and Autoreactive Plasma Cell Infection in Rheumatoid Arthritis. <i>Annals of the Rheumatic Diseases</i> , 2013, 72, A43.3-A44.	0.5	0

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55	SAT0014â€¦Synovial Sublining Macrophages: A Sensitive Biomarker for Response to Treatment in Early RA Patients.. Annals of the Rheumatic Diseases, 2013, 72, A583.2-A584.	0.5	0
56	AB0742â€¦Minimally invasive ultrasound guided synovial biopsy as a clinical diagnostic tool. Annals of the Rheumatic Diseases, 2013, 72, A1015.2-A1016.	0.5	0
57	AB0247â€¦Rheumatoid arthritis patient characteristics at different therapeutic timepoints. Annals of the Rheumatic Diseases, 2013, 72, A862.2-A862.	0.5	0
58	AB0132â€¦Presence of Synovial Lymphocyte Aggregates Correlates with A More Severe Clinical Phenotype in Patients with Early Inflammatory Arthritis. Annals of the Rheumatic Diseases, 2014, 73, 847.2-847.	0.5	0
59	FRI0243â€¦Ultrasound-Guided Synovial Biopsy Does not Alter Subsequent Ultrasound Assessments. Annals of the Rheumatic Diseases, 2014, 73, 471.1-471.	0.5	0
60	SAT0048â€¦Synovial Lymphocytic Aggregates Predict Clinical Response to Certolizumab Pegol in Rheumatoid Arthritis (Clinical and Pathological Response to Certolizumab-Pegol (Clip-Cert) Study): Table 1. Annals of the Rheumatic Diseases, 2014, 73, 606.2-607.	0.5	0
61	OP0129â€¦Higher Expression of TNF Alpha-Induced Genes in the Synovium of Early RA Patients Correlates with Disease Activity, and Predicts Absence of Response to First Line Therapy. Annals of the Rheumatic Diseases, 2015, 74, 117.1-117.	0.5	0
62	A7.6â€¦Clinical and pathological differences of elderly- and younger-onset rheumatoid arthritis in an early arthritis cohort. Annals of the Rheumatic Diseases, 2015, 74, A76.3-A77.	0.5	0
63	FRI0442â€¦Histopathology of Treatment-Naïve Psoriatic Synovitis: A Comparison with Early Rheumatoid Arthritis. Annals of the Rheumatic Diseases, 2016, 75, 595.3-596.	0.5	0
64	FRI0157â€¦A Baseline Prediction Model for Response To Certolizumab-Pegol: Role of Synovial Histopathology. Annals of the Rheumatic Diseases, 2016, 75, 485.2-486.	0.5	0
65	OP0240â€¦Synovial Lymphocytic Aggregates Associate with Highly Active RA and Predict Erosive Disease Progression at 12 Months: Results from The Pathobiology of Early Arthritis Cohort. Annals of the Rheumatic Diseases, 2016, 75, 149.1-149.	0.5	0
66	OP0263â€¦Synovial B-Cell Gene Signature Predicts Response To Rituximab Therapy. Annals of the Rheumatic Diseases, 2016, 75, 158.1-158.	0.5	0
67	FRI0088â€¦Synovial pathobiology correlates with diagnostic subgroups in early inflammatory arthritis: results from the pathobiology of early arthritis cohort (PEAC). , 2017, , .		0
68	THU0667â€¦A qualitative and quantitative comparison of synovial biopsy techniques during clinical trials of inflammatory arthritis. , 2017, , .		0
69	THU0100â€¦In early inflammatory arthritis a lymphoid pathotype significantly associates with requirement for biologic therapy at 12 months follow up: results from the pathobiology of early arthritis cohort (PEAC). , 2017, , .		0
70	244â€¦The clinical phenotype of inflammatory arthritis correlates with synovial immune cell infiltration: results from the pathobiology of early arthritis cohort. Rheumatology, 2018, 57, .	0.9	0
71	O09â€¦A lymphoid pathotype at baseline, in early inflammatory arthritis, significantly associates with requirement for biologic therapy at 12 months follow up: results from the pathobiology of early arthritis cohort. Rheumatology, 2018, 57, .	0.9	0
72	THU0061â€¦Restricted axl synovial expression and increased cleavage of axl ectodomain correlate with highly inflamed synovitis and more severe rheumatoid arthritis. , 2018, , .		0

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73	THU0092â€¦DEFINING A LEARNING CURVE FOR CLINICIANS PERFORMING ULTRASOUND-GUIDED NEEDLE SYNIOVIAL BIOPSIES: A RETROSPECTIVE ANALYSIS OF THE EXPERIENCE AT THE EXPERIMENTAL MEDICINE AND RHEUMATOLOGY, QUEEN MARY UNIVERSITY OF LONDON. , 2019, , .		0
74	OP0120â€¦BASELINE CELLULAR AND MOLECULAR CHARACTERISTICS OF SYNIOVIAL TISSUE AND RELATION WITH TNFI RESPONSE. RESULTS FROM THE PATHOBIOLOGY OF THE EARLY ARTHRITIS COHORT (PEAC). , 2019, , .		0
75	FRI0640â€¦COMPARING DISEASE ACTIVITY IN THE WRIST BY REPEAT SYNIOVIAL BIOPSIES, RAMRIS MAGNETIC RESONANCE SCORE AND EULAR-OMERACT ULTRASOUND SCORE: A 6-MONTH PROSPECTIVE TRIAL IN EARLY AND LONGSTANDING RHEUMATOID ARTHRITIS. , 2019, , .		0
76	O20â€¦Histological and molecular features of the diseased synovium in early untreated PsA in comparison with RA. Rheumatology, 2020, 59, .	0.9	0
77	P22â€¦Micro-RNA enriched pathway impact analysis applied to synovial RNA-seq in early rheumatoid arthritis identifies response prediction pathways. Rheumatology, 2020, 59, .	0.9	0
78	POS0377â€¦FIBROCYTES IN EARLY AND LONGSTANDING RHEUMATOID ARTHRITIS: A 6-MONTH TRIAL WITH REPEATED SYNIOVIAL BIOPSY, IMAGING, AND LUNG FUNCTION TEST. Annals of the Rheumatic Diseases, 2021, 80, 419.1-419.	0.5	0
79	SAT0076â€¦Synovial mast cells and responses to synthetic and biologic dmards in early and established rheumatoid arthritis. , 2018, , .		0
80	THU0122â€¦Imaging characterisation of remission in rheumatoid arthritis. , 2018, , .		0
81	OP0040â€¦Synovial cell infiltration in acpa-ve patients displays similar signatures to other seronegative inflammatory arthritis. results from the pathobiology of early arthritis cohort (PEAC). , 2018, , .		0
82	OP0278-HPRâ€¦Patient reported outcomes and safety in patients undergoing synovial biopsy: comparison of arthroscopic, ultrasound-guided portal-forceps and ultrasound-guided needle biopsy techniques, in five centres across europe. , 2018, , .		0
83	THU0082â€¦MERTK SYNIOVIAL EXPRESSION CORRELATES WITH TREATMENT RESPONSE IN RHEUMATOID ARTHRITIS. Annals of the Rheumatic Diseases, 2020, 79, 253.1-253.	0.5	0
84	OP0217â€¦INVOLVEMENT OF LARGE JOINTS AT DISEASE PRESENTATION IS ASSOCIATED WITH DIVERSE HISTOPATHOLOGICAL FEATURES AND CLINICAL OUTCOMES IN EARLY RHEUMATOID ARTHRITIS. Annals of the Rheumatic Diseases, 2020, 79, 134.1-135.	0.5	0