Geraldine M Mccarthy

List of Publications by Citations

121 papers	5,523 citations	36 h-index	72 g-index
131 ext. papers	6,477 ext. citations	4.3 avg, IF	5.21 L-index

#	Paper	IF	Citations
121	EULAR evidence based recommendations for gout. Part II: Management. Report of a task force of the EULAR Standing Committee for International Clinical Studies Including Therapeutics (ESCISIT). *Annals of the Rheumatic Diseases*, **2006**, 65, 1312-24	2.4	805
120	EULAR evidence-based recommendations for the management of fibromyalgia syndrome. *Annals of the Rheumatic Diseases*, **2008**, 67, 536-41	2.4	536
119	EULAR revised recommendations for the management of fibromyalgia. *Annals of the Rheumatic Diseases*, **2017**, 76, 318-328	2.4	483
118	EULAR evidence based recommendations for gout. Part I: Diagnosis. Report of a task force of the Standing Committee for International Clinical Studies Including Therapeutics (ESCISIT). *Annals of the Rheumatic Diseases*, **2006**, 65, 1301-11	2.4	441
117	Proinflammatory activation of macrophages by basic calcium phosphate crystals via protein kinase C and MAP kinase pathways: a vicious cycle of inflammation and arterial calcification?. *Circulation Research*, **2005**, 96, 1248-56	15.7	386
116	Calcium phosphate crystals induce cell death in human vascular smooth muscle cells: a potential mechanism in atherosclerotic plaque destabilization. *Circulation Research*, **2008**, 103, e28-34	15.7	240
115	Microcalcifications associated with breast cancer: an epiphenomenon or biologically significant feature of selected tumors?. *Journal of Mammary Gland Biology and Neoplasia*, **2005**, 10, 181-7	2.4	112
114	Calcium hydroxyapatite promotes mitogenesis and matrix metalloproteinase expression in human breast cancer cell lines. *Molecular Carcinogenesis*, **2001**, 32, 111-7	5	74
113	Effect of particle size on hydroxyapatite crystal-induced tumor necrosis factor alpha secretion by macrophages. *Atherosclerosis*, **2008**, 196, 98-105	3.1	72
112	Exercise and manual physiotherapy arthritis research trial (EMPART) for osteoarthritis of the hip: a multicenter randomized controlled trial. *Archives of Physical Medicine and Rehabilitation*, **2013**, 94, 302-14	2.8	68
111	Detection of calcium phosphate crystals in the joint fluid of patients with osteoarthritis - analytical approaches and challenges. *Analyst, The*, **2008**, 133, 302-18	5	68
110	Performance of Ultrasound in the Diagnosis of Gout in a Multicenter Study: Comparison With Monosodium Urate Monohydrate Crystal Analysis as the Gold Standard. *Arthritis and Rheumatology*, **2017**, 69, 429-438	9.5	66
109	Pathogenic role of basic calcium phosphate crystals in destructive arthropathies. *PLoS ONE*, **2013**, 8, e57352	3.7	66
108	Influence of antihyperuricemic therapy on the clinical and radiographic progression of gout. *Arthritis and Rheumatism*, **1991**, 34, 1489-94		65
107	Basic calcium phosphate crystals cause coordinate induction and secretion of collagenase and stromelysin. *Journal of Cellular Physiology*, **1992**, 153, 140-6	7	63
106	Study for Updated Gout Classification Criteria: Identification of Features to Classify Gout. *Arthritis Care and Research*, **2015**, 67, 1304-1315	4.7	62
105	Calcium crystal deposition diseases - beyond gout. *Nature Reviews Rheumatology*, **2018**, 14, 592-602	8.1	58

104	Relative contribution of HIV infection, demographics and body mass index to bone mineral density. *Aids*, **2014**, 28, 2051-60	3.5	57
103	Basic calcium phosphate crystal-induced prostaglandin E2 production in human fibroblasts: role of cyclooxygenase 1, cyclooxygenase 2, and interleukin-1beta. *Arthritis and Rheumatism*, **2004**, 50, 1642-9		56
102	Basic calcium phosphate crystals activate human osteoarthritic synovial fibroblasts and induce matrix metalloproteinase-13 (collagenase-3) in adult porcine articular chondrocytes. *Annals of the Rheumatic Diseases*, **2001**, 60, 399-406	2.4	56
101	Molecular mechanism of basic calcium phosphate crystal-induced activation of human fibroblasts. Role of nuclear factor kappab, activator protein 1, and protein kinase c. *Journal of Biological Chemistry*, **1998**, 273, 35161-9	5.4	56
100	Ustekinumab for the treatment of refractory giant cell arteritis. *Annals of the Rheumatic Diseases*, **2016**, 75, 1578-9	2.4	53
99	The mitogenic response to stimulation with basic calcium phosphate crystals is accompanied by induction and secretion of collagenase in human fibroblasts. *Arthritis and Rheumatism*, **1991**, 34, 1021-30		52
98	Point: Hydroxyapatite crystal deposition is intimately involved in the pathogenesis and progression of human osteoarthritis. *Current Rheumatology Reports*, **2009**, 11, 141-7	4.9	47
97	Gout, Hyperuricaemia and Crystal-Associated Disease Network (G-CAN) consensus statement regarding labels and definitions of disease states of gout. *Annals of the Rheumatic Diseases*, **2019**, 78, 1592-1600	2.4	45
96	Primary care-based dermatology practice: internists need more training. *Journal of General Internal Medicine*, **1991**, 6, 52-6	4	45
95	Regulation of Inflammation and Angiogenesis in Giant Cell Arteritis by Acute-Phase Serum Amyloid A. *Arthritis and Rheumatology*, **2015**, 67, 2447-56	9.5	43
94	Basic calcium phosphate crystals stimulate cell proliferation and collagenase message accumulation in cultured adult articular chondrocytes. *Arthritis and Rheumatism*, **1992**, 35, 343-50		41
93	Brief Report: Validation of a Definition of Flare in Patients With Established Gout. *Arthritis and Rheumatology*, **2018**, 70, 462-467	9.5	41
92	Ustekinumab for refractory giant cell arteritis: A prospective 52-week trial. *Seminars in Arthritis and Rheumatism*, **2018**, 48, 523-528	5.3	39
91	Gout, Hyperuricemia, and Crystal-Associated Disease Network Consensus Statement Regarding Labels and Definitions for Disease Elements in Gout. *Arthritis Care and Research*, **2019**, 71, 427-434	4.7	39
90	Treatment and management of pseudogout: insights for the clinician. *Therapeutic Advances in Musculoskeletal Disease*, **2012**, 4, 121-31	3.8	39
89	Development of Preliminary Remission Criteria for Gout Using Delphi and 1000Minds Consensus Exercises. *Arthritis Care and Research*, **2016**, 68, 667-72	4.7	37
88	Osteoarthritis-associated basic calcium phosphate crystals induce pro-inflammatory cytokines and damage-associated molecules via activation of Syk and PI3 kinase. *Clinical Immunology*, **2012**, 144, 228-38	3.9	36
87	Basic calcium phosphate crystal-induced collagenase production: role of intracellular crystal dissolution. *Osteoarthritis and Cartilage*, **1998**, 6, 205-13	6.2	36

86	Phosphocitrate inhibits calcium hydroxyapatite induced mitogenesis and upregulation of matrix metalloproteinase-1, interleukin-1beta and cyclooxygenase-2 mRNA in human breast cancer cell lines. *Breast Cancer Research and Treatment*, **2003**, 79, 253-63	4.4	36
85	Interactions between tenocytes and monosodium urate monohydrate crystals: implications for tendon involvement in gout. *Annals of the Rheumatic Diseases*, **2014**, 73, 1737-41	2.4	33
84	Detection of basic calcium phosphate crystals in osteoarthritis. *Joint Bone Spine*, **2011**, 78, 358-63	2.9	32
83	Hydroxyapatite deposition disease of the joint. *Current Rheumatology Reports*, **2003**, 5, 215-21	4.9	32
82	Osteoarthritis-associated basic calcium phosphate crystals activate membrane proximal kinases in human innate immune cells. *Arthritis Research and Therapy*, **2017**, 19, 23	5.7	31
81	Treatment of pain due to fibromyalgia with topical capsaicin: A pilot study. *Seminars in Arthritis and Rheumatism*, **1994**, 23, 41-47	5.3	30
80	Performance of classification criteria for gout in early and established disease. *Annals of the Rheumatic Diseases*, **2016**, 75, 178-82	2.4	29
79	Basic calcium phosphate crystals and osteoarthritis pathogenesis: novel pathways and potential targets. *Current Opinion in Rheumatology*, **2016**, 28, 122-6	5.3	29
78	Platelet hyper-reactivity in active inflammatory arthritis is unique to the adenosine diphosphate pathway: a novel finding and potential therapeutic target. *Rheumatology*, **2010**, 49, 240-5	3.9	28
77	Cellular responses to whitlockite. *Calcified Tissue International*, **1999**, 65, 374-7	3.9	26
76	Signaling mechanisms involved in crystal-induced tissue damage. *Current Opinion in Rheumatology*, **2002**, 14, 292-7	5.3	25
75	EULAR recommendations for management of fibromyalgia. *Annals of the Rheumatic Diseases*, **2017**, 76, e54	2.4	23
74	Orthopaedic implant materials drive M1 macrophage polarization in a spleen tyrosine kinase- and mitogen-activated protein kinase-dependent manner. *Acta Biomaterialia*, **2018**, 65, 426-435	10.8	23
73	Colchicine: New Insights to an Old Drug. *American Journal of Therapeutics*, **2015**, 22, e151-7	1	23
72	Inflammatory microcrystals induce murine macrophage survival and DNA synthesis. *Arthritis Research*, **2001**, 3, 242-6		23
71	Predictors of longitudinal change in bone mineral density in a cohort of HIV-positive and negative patients. *Aids*, **2017**, 31, 643-652	3.5	22
70	A delphi exercise to identify characteristic features of gout - opinions from patients and physicians, the first stage in developing new classification criteria. *Journal of Rheumatology*, **2013**, 40, 498-505	4.1	22
69	Survey Definitions of Gout for Epidemiologic Studies: Comparison With Crystal Identification as the Gold Standard. *Arthritis Care and Research*, **2016**, 68, 1894-1898	4.7	22

68	Interleukin 12 and interleukin 23 play key pathogenic roles in inflammatory and proliferative pathways in giant cell arteritis. *Annals of the Rheumatic Diseases*, **2018**, 77, 1815-1824	2.4	20
67	Eicosanoids, osteoarthritis, and crystal deposition diseases. *Current Opinion in Rheumatology*, **2005**, 17, 346-50	5.3	20
66	Basic calcium phosphate crystals induce synthesis and secretion of 92 kDa gelatinase (gelatinase B/matrix metalloprotease 9) in human fibroblasts. *Annals of the Rheumatic Diseases*, **1998**, 57, 56-60	2.4	20
65	Diagnostic Arthrocentesis for Suspicion of Gout Is Safe and Well Tolerated. *Journal of Rheumatology*, **2016**, 43, 150-3	4.1	19
64	BCP crystals increase prostacyclin production and upregulate the prostacyclin receptor in OA synovial fibroblasts: potential effects on mPGES1 and MMP-13. *Osteoarthritis and Cartilage*, **2007**, 15, 414-20	6.2	19
63	Basic calcium phosphate crystals: pathways to joint degeneration. *Current Opinion in Rheumatology*, **2006**, 18, 187-92	5.3	18
62	Intra-articular basic calcium phosphate and monosodium urate crystals inhibit anti-osteoclastogenic cytokine signalling. *Osteoarthritis and Cartilage*, **2016**, 24, 2141-2152	6.2	18
61	The meniscus, calcification and osteoarthritis: a pathologic team. *Arthritis Research and Therapy*, **2010**, 12, 116	5.7	17
60	Systematic genetic analysis of early-onset gout: ABCG2 is the only associated locus. *Rheumatology*, **2020**, 59, 2544-2549	3.9	16
59	Predictors of short-term outcome to exercise and manual therapy for people with hip osteoarthritis. *Physical Therapy*, **2014**, 94, 31-9	3.3	16
58	New approaches in the detection of calcium-containing microcrystals in synovial fluid. *Bioanalysis*, **2011**, 3, 1085-91	2.1	16
57	Monosodium urate crystals reduce osteocyte viability and indirectly promote a shift in osteocyte function towards a proinflammatory and proresorptive state. *Arthritis Research and Therapy*, **2018**, 20, 208	5.7	16
56	Calcium-Containing Crystals and Osteoarthritis: an Unhealthy Alliance. *Current Rheumatology Reports*, **2018**, 20, 13	4.9	15
55	Basic calcium phosphate crystals as a unique therapeutic target in osteoarthritis. *Frontiers in Bioscience - Landmark*, **2005**, 10, 530-41	2.8	15
54	Dietary fish oil and rheumatic diseases. *Seminars in Arthritis and Rheumatism*, **1992**, 21, 368-75	5.3	15
53	Sulfasalazine and its metabolites inhibit platelet function in patients with inflammatory arthritis. *Clinical Rheumatology*, **2016**, 35, 447-55	3.9	14
52	Mechanism of basic calcium phosphate crystal-stimulated matrix metalloproteinase-13 expression by osteoarthritic synovial fibroblasts: inhibition by prostaglandin E2. *Annals of the Rheumatic Diseases*, **2008**, 67, 1773-9	2.4	14
51	Soluble glycoprotein VI, a specific marker of platelet activation is increased in the plasma of subjects with seropositive rheumatoid arthritis. *PLoS ONE*, **2017**, 12, e0188027	3.7	13

50	The structural consequences of calcium crystal deposition. *Rheumatic Disease Clinics of North America*, **2014**, 40, 311-28	2.4	12
49	Exercise and manual physiotherapy arthritis research trial (EMPART): a multicentre randomised controlled trial. *BMC Musculoskeletal Disorders*, **2009**, 10, 9	2.8	12
48	Brief Report: Genetic Variation of the Antitrypsin Gene Is Associated With Increased Autoantibody Production in Rheumatoid Arthritis. *Arthritis and Rheumatology*, **2017**, 69, 1576-1579	9.5	10
47	Isolation of calcium phosphate crystals from complex biological fluids using bisphosphonate-modified superparamagnetic beads. *Chemical Communications*, **2008**, 2686-8	5.8	10
46	How crystals damage tissue. *Current Rheumatology Reports*, **2004**, 6, 228-34	4.9	10
45	Polymyalgia rheumatica as an unusual cause of pleural and pericardial effusion. *Journal of Clinical Rheumatology*, **2005**, 11, 59-60	1.1	10
44	The role of cyclic-3',5'-adenosine monophosphate in prostaglandin-mediated inhibition of basic calcium phosphate crystal-induced mitogenesis and collagenase induction in cultured human fibroblasts. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1994**, 1226, 97-104	6.9	10
43	Misoprostol, a prostaglandin E1 analogue, inhibits basic calcium phosphate crystal-induced mitogenesis and collagenase accumulation in human fibroblasts. *Calcified Tissue International*, **1993**, 52, 434-7	3.9	10
42	Altered expression of the core circadian clock component PERIOD2 contributes to osteoarthritis-like changes in chondrocyte activity. *Chronobiology International*, **2019**, 36, 319-331	3.6	10
41	Determination of calcium in synovial fluid samples as an aid to diagnosing osteoarthritis. *Bioanalysis*, **2010**, 2, 189-95	2.1	9
40	Microsomal prostaglandin E2 synthase 1 expression in basic calcium phosphate crystal-stimulated fibroblasts: role of prostaglandin E2 and the EP4 receptor. *Osteoarthritis and Cartilage*, **2009**, 17, 686-92	6.2	9
39	Calcium crystals and cartilage damage. *Current Opinion in Rheumatology*, **1996**, 8, 255-8	5.3	9
38	Plasma fibrinogen is an accurate marker of disease activity in patients with polymyalgia rheumatica. *Rheumatology*, **2013**, 52, 465-71	3.9	8
37	Plasma fibrinogen along with patient-reported outcome measures enhances management of polymyalgia rheumatica: a prospective study. *Journal of Rheumatology*, **2014**, 41, 931-7	4.1	7
36	A survey of nurses' assessment of peripheral intravenous catheters. *British Journal of Nursing*, **2002**, 11, 999-1000, 1002, 1004-6	0.7	7
35	Hereditary hemochromatosis: a common, often unrecognized, genetic disease. *Cleveland Clinic Journal of Medicine*, **2002**, 69, 224-6, 229-30, 232-3 passim	2.8	7
34	The COVIRL002 Trial-Tocilizumab for management of severe, non-critical COVID-19 infection: A structured summary of a study protocol for a randomised controlled trial. *Trials*, **2020**, 21, 758	2.8	7
33	Calcium Pyrophosphate Dihydrate, Hydroxyapatite, and Miscellaneous Crystals **2008**, 263-270		7

32	Increased platelet reactivity as measured by plasma glycoprotein VI in gout. *Platelets*, **2018**, 29, 821-826	3.6	6
31	Crystals in arthritis: new age nonsense or novel therapeutic target?. *Annals of the Rheumatic Diseases*, **1999**, 58, 723	2.4	6
30	Crystal-induced inflammation and cartilage degradation. *Current Rheumatology Reports*, **1999**, 1, 101-6	4.9	6
29	Basic calcium phosphate deposition in the joint: a potential therapeutic target in osteoarthritis. *Current Opinion in Rheumatology*, **2004**, 16, 273-8	5.3	5
28	Identifying potential classification criteria for calcium pyrophosphate deposition disease (CPPD): Item generation and item reduction. *Arthritis Care and Research*, **2021**,	4.7	5
27	Flare Rate Thresholds for Patient Assessment of Disease Activity States in Gout. *Journal of Rheumatology*, **2021**, 48, 293-298	4.1	5
26	Lesson of the month 1: Septic arthritis with normal acute phase reactants and white cell count in a patient receiving tocilizumab. *Clinical Medicine*, **2017**, 17, 280-281	1.9	4
25	Migrating Polyarthritis as a Feature of Occult Malignancy: 2 Case Reports and a Review of the Literature. *Case Reports in Oncological Medicine*, **2015**, 2015, 934039	0.9	4
24	Performance characteristics and predictors of temporal artery ultrasound for the diagnosis of giant cell arteritis in routine clinical practice in a prospective cohort. *Clinical and Experimental Rheumatology*, **2019**, 37 Suppl 117, 72-78	2.2	4
23	Interleukin-6 does not upregulate pro-inflammatory cytokine expression in an model of giant cell arteritis. *Rheumatology Advances in Practice*, **2019**, 3, rkz011	1.1	3
22	Severe disability in rheumatoid arthritis: assessment following comprehensive rehabilitation. *Irish Journal of Medical Science*, **1989**, 158, 225-7	1.9	3
21	Basic Calcium Phosphate Crystals Induce Osteoarthritis-Associated Changes in Phenotype Markers in Primary Human Chondrocytes by a Calcium/Calmodulin Kinase 2-Dependent Mechanism. *Calcified Tissue International*, **2019**, 104, 331-343	3.9	3
20	Knee osteoarthritis and bisphosphonates: Could BCP crystals be the missing link?. *Annals of the Rheumatic Diseases*, **2019**, 78, e141	2.4	2
19	Which factors predict discordance between a patient and physician on a gout flare?. *Rheumatology*, **2021**, 60, 773-779	3.9	2
18	Successful reconstruction of an ocular defect resulting from granulomatosis with polyangiitis, following treatment with rituximab. *American Journal of Ophthalmology Case Reports*, **2018**, 10, 240-243	1.3	2
17	Crystal arthritis: Crystallizing our ideas about gout and osteoarthritis. *Nature Reviews Rheumatology*, **2017**, 13, 698-699	8.1	1
16	D□ection des cristaux de phosphate de calcium basique dans l□rthrose. *Revue Du Rhumatisme (Edition Francaise)*, **2011**, 78, 220-226	0.1	1
15	Analysis of synovial fluid T-cell repertoires by CDR3 size spectratyping reveals possible antigen and superantigen stimulation. *Annals of the New York Academy of Sciences*, **1995**, 756, 190-1	6.5	1

14	Reduce serum uric acid levels before withdrawing antihyperuricemic therapy in patients with tophaceous gout. *Arthritis and Rheumatism*, **1992**, 35, 1252		1
13	Hypertrophic osteoarthropathy after liver transplantation. *American Journal of Medicine*, **1989**, 86, 501	2.4	1
12	Fish oil and psoriasis. *Lancet, The*, **1991**, 338, 824	40	1
11	Calcium pyrophosphate deposition (CPPD) disease - Treatment options. *Best Practice and Research in Clinical Rheumatology*, **2021**, 101720	5.3	1
10	Basic calcium phosphate crystal deposition disease **2015**, 1596-1603		1
9	Plasma levels of the soluble form of the FcγRIIa receptor vary with receptor polymorphisms and are elevated in rheumatoid arthritis. *Platelets*, **2020**, 31, 392-398	3.6	1
8	Clinical pathways for the management of low back pain from primary to specialised care: a systematic review.. *European Spine Journal*, **2022**, 1	2.7	1
7	Calcium crystals and auto-inflammation. *Rheumatology*, **2020**, 59, 247-248	3.9	0
6	Platelet activation, as measured by plasma soluble glycoprotein VI, is not associated with disease activity or ischaemic events in giant cell arteritis. *Annals of the Rheumatic Diseases*, **2018**, 77, 1695-1697	2.4	
5	Osteoarthritis: 119. The Effectiveness of Exercise Therapy with and without Manual Therapy for Hip Osteoarthritis: A Multicentre Randomised Controlled Trial. *Rheumatology*, **2011**, 50, iii87-iii90	3.9	
4	Basic Calcium Phosphate Crystal Arthropathy **2012**, 266-281		
3	Febuxostat: a safe and effective therapy for hyperuricemia and gout. *Future Rheumatology*, **2006**, 1, 303-309		
2	Hydroxyapatite crystals and rotator cuff disorders: comment on the article by Gomoll et al. *Arthritis and Rheumatism*, **2005**, 52, 3681; author reply 3681-3682		
1	Dynamic platelet function: A novel biomarker in inflammatory arthritis?. *PLoS ONE*, **2022**, 17, e0261825	3.7	