

# Jagdeep Nanchahal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88  
papers

3,550  
citations

30  
h-index

59  
g-index

144  
ext. papers

4,117  
ext. citations

6.5  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
88	A vasculature niche orchestrates stromal cell phenotype through PDGF signaling: Importance in human fibrotic disease.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2120336119	11.5	1
87	Timing of antibiotic administration, wound debridement, and the stages of reconstructive surgery for open long bone fractures of the upper and lower limbs.. <i>The Cochrane Library</i> , <b>2022</b> , 4, CD013555	5.2	1
86	Development of guidelines for the management of patients with open fractures: The potential cost-savings of international collaboration. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> ,	1.7	0
85	Collagen VI as a driver and disease biomarker in human fibrosis. <i>FEBS Journal</i> , <b>2021</b> ,	5.7	5
84	Accuracy of infrared thermography for perforator mapping: A systematic review and meta-analysis of diagnostic studies. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> , 74, 1173-1179	1.7	0
83	Standards for treatment of open lower limb fractures maintained in spite of the COVID-19 pandemic: Results from an international, multi-centric, retrospective cohort study. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> , 74, 1633-1701	1.7	0
82	Safety and effectiveness of negative pressure therapy on free flaps following lower limb reconstruction: A systematic review. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> , 74, 407-447	1.7	1
81	Alternative physical treatments for deep venous thrombosis prophylaxis in surgical patients: a systematic review. <i>Physiotherapy</i> , <b>2021</b> , 113, 73-79	3	0
80	Timing and staging of antibiotic administration and surgery for open long bone fractures of the upper and lower limbs. <i>The Cochrane Library</i> , <b>2020</b> ,	5.2	1
79	Cellular census of human fibrosis defines functionally distinct stromal cell types and states. <i>Nature Communications</i> , <b>2020</b> , 11, 2768	17.4	7
78	Safety and effectiveness of early compression of free flaps following lower limb reconstruction: A systematic review. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2020</b> , 73, 1604-1611	1.7	2
77	Autofluorescence Lifetime Reports Cartilage Damage in Osteoarthritis. <i>Scientific Reports</i> , <b>2020</b> , 10, 21544.9	4.9	5
76	Negative-pressure wound therapy compared with standard dressings following surgical treatment of major trauma to the lower limb: the WHIST RCT. <i>Health Technology Assessment</i> , <b>2020</b> , 24, 1-86	4.4	5
75	Cost-utility analysis of standard dressing compared with incisional negative-pressure wound therapy among patients with closed surgical wounds following major trauma to the lower limb. <i>Bone and Joint Journal</i> , <b>2020</b> , 102-B, 1072-1081	5.6	7
74	Identifying collagen VI as a target of fibrotic diseases regulated by CREBBP/EP300. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 20753-20763	11.5	19
73	Single cell force profiling of human myofibroblasts reveals a biophysical spectrum of cell states. <i>Biology Open</i> , <b>2020</b> , 9,	2.2	4
72	Recent advances in the understanding of Dupuytren's disease. <i>F1000Research</i> , <b>2019</b> , 8,	3.6	15

71	Identification of TNFR2 and IL-33 as therapeutic targets in localized fibrosis. <i>Science Advances</i> , <b>2019</b> , 5, eaay0370	14.3	12
70	Fully reduced HMGB1 accelerates the regeneration of multiple tissues by transitioning stem cells to G. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E4463-E4472	11.5	55
69	Anti-Tumour Necrosis Factor Therapy for Dupuytren's Disease: A Randomised Dose Response Proof of Concept Phase 2a Clinical Trial. <i>EBioMedicine</i> , <b>2018</b> , 33, 282-288	8.8	28
68	What do we know about managing Dupuytren's disease cost-effectively?. <i>BMC Musculoskeletal Disorders</i> , <b>2018</b> , 19, 34	2.8	9
67	Standard wound management versus negative-pressure wound therapy in the treatment of adult patients having surgical incisions for major trauma to the lower limb-a two-arm parallel group superiority randomised controlled trial: protocol for Wound Healing in Surgery for Trauma (WHIST). <i>BMJ Open</i> , <b>2018</b> , 8, e022115	3	11
66	Economic evaluation plan of a randomised controlled trial of intra-nodular injection of anti-TNF and placebo among patients with early Dupuytren's disease: Repurposing Anti-TNF for Treating Dupuytren's Disease (RIDD). <i>Wellcome Open Research</i> , <b>2018</b> , 3, 156	4.8	2
65	Economic evaluation plan of a randomised controlled trial of intra-nodular injection of anti-TNF and placebo among patients with early Dupuytren's disease: Repurposing Anti-TNF for Treating Dupuytren's Disease (RIDD). <i>Wellcome Open Research</i> , <b>2018</b> , 3, 156	4.8	
64	Does negative-pressure wound therapy influence subjacent bacterial growth? A systematic review. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2017</b> , 70, 1028-1037	1.7	20
63	Open tibial fractures. <i>Orthopaedics and Trauma</i> , <b>2017</b> , 31, 125-132	0.5	1
62	A Genome-wide Association Study of Dupuytren Disease Reveals 17 Additional Variants Implicated in Fibrosis. <i>American Journal of Human Genetics</i> , <b>2017</b> , 101, 417-427	11	35
61	Anti-TNF Therapy <b>2017</b> , 637-648		4
60	Study protocol: A multi-centre, double blind, randomised, placebo-controlled, parallel group, phase II trial (RIDD) to determine the efficacy of intra-nodular injection of anti-TNF to control disease progression in early Dupuytren's disease, with an embedded dose response study. <i>Wellcome Open Research</i> , <b>2017</b> , 2, 37	4.8	10
59	Study protocol: A multi-centre, double blind, randomised, placebo-controlled, parallel group, phase II trial (RIDD) to determine the efficacy of intra-nodular injection of anti-TNF to control disease progression in early Dupuytren's disease, with an embedded dose response study.. <i>Wellcome Open Research</i> , <b>2017</b> , 2, 37	4.8	12
58	Tumour Necrosis Factor as a Therapeutic Target in Dupuytren Disease <b>2017</b> , 63-71		2
57	Controversy: The Contracture in Dupuytren Disease Is an Active Process <b>2017</b> , 83-87		
56	Tonometry as an Outcome Measure for the Treatment of Early Dupuytren Disease <b>2017</b> , 205-209		3
55	Anti-TNF Therapy. <i>Microbiology Spectrum</i> , <b>2016</b> , 4,	8.9	34
54	Strategies to overcome the hurdles to treat fibrosis, a major unmet clinical need. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 7291-3	11.5	17

53	Systematic review of non-surgical treatments for early dupuytren's disease. <i>BMC Musculoskeletal Disorders</i> , <b>2016</b> , 17, 345	2.8	41
52	Preclinical target validation using patient-derived cells. <i>Nature Reviews Drug Discovery</i> , <b>2015</b> , 14, 149-50	64.1	40
51	Anti-TNF therapy: past, present and future. <i>International Immunology</i> , <b>2015</b> , 27, 55-62	4.9	294
50	Low-dose TNF augments fracture healing in normal and osteoporotic bone by up-regulating the innate immune response. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 547-61	12	73
49	Lower limb reconstruction <b>2015</b> , 607-627		
48	Anti-TNF Therapy: 20 Years from Our First Therapeutic Adventure <b>2014</b> , 215-244		0
47	Strategies to secure surgical research funding: fellowships and grants. <i>JRSM Open</i> , <b>2014</b> , 5, 2042533313505512		
46	Optimal functional outcome measures for assessing treatment for Dupuytren's disease: a systematic review and recommendations for future practice. <i>BMC Musculoskeletal Disorders</i> , <b>2013</b> , 14, 131	2.8	77
45	Evaluating optimal superficial limb perfusion at different angles using non-invasive micro-lightguide spectrophotometry. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2013</b> , 66, 821-6	1.7	11
44	Unraveling the signaling pathways promoting fibrosis in Dupuytren's disease reveals TNF as a therapeutic target. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E928-37	11.5	92
43	Delayed amputation following trauma increases residual lower limb infection. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2013</b> , 66, 531-7	1.7	18
42	Reply: Soft-tissue reconstruction of open fractures of the lower limb: muscle versus fasciocutaneous flaps. <i>Plastic and Reconstructive Surgery</i> , <b>2013</b> , 131, 448e-449e	2.7	3
41	Isometric contraction of Dupuytren's myofibroblasts is inhibited by blocking intercellular junctions. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 2664-2671	4.3	25
40	The methodology of negative pressure wound therapy: separating fact from fiction. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2012</b> , 65, 989-1001	1.7	35
39	Alarmins: awaiting a clinical response. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 2711-9	15.9	347
38	Why haematomas cause flap failure: an evidence-based paradigm. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2012</b> , 65, 903-10	1.7	25
37	Outcomes of anterolateral thigh free flap thinning using liposuction following lower limb trauma. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2012</b> , 65, 474-81	1.7	18
36	Soft-tissue reconstruction of open fractures of the lower limb: muscle versus fasciocutaneous flaps. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 130, 284e-295e	2.7	85

35	MicroRNA epigenetics: a new avenue for wound healing research. <i>BioDrugs</i> , <b>2011</b> , 25, 27-41	7.9	19
34	Reconstructive surgery in limbs: the case for the orthoplastic approach. <i>Annals of Plastic Surgery</i> , <b>2011</b> , 66, 6-8	1.7	13
33	TNF-alpha promotes fracture repair by augmenting the recruitment and differentiation of muscle-derived stromal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 1585-90	11.5	258
32	Effects of extensor synovectomy and excision of the distal ulna in rheumatoid arthritis on long-term function. <i>Journal of Hand Surgery</i> , <b>2010</b> , 35, 1442-8	2.6	9
31	Role of interleukin-1beta in postoperative cognitive dysfunction. <i>Annals of Neurology</i> , <b>2010</b> , 68, 360-8	9.4	484
30	Post-transcriptional regulation of alpha-smooth muscle actin determines the contractile phenotype of Dupuytren's nodular cells. <i>Journal of Cellular Physiology</i> , <b>2010</b> , 224, 681-90	7	22
29	Plastic, Reconstructive and Aesthetic Surgery: Current Trends and Recent Innovations <b>2010</b> , 923-940		
28	TREM-1 expression is increased in the synovium of rheumatoid arthritis patients and induces the expression of pro-inflammatory cytokines. <i>Rheumatology</i> , <b>2009</b> , 48, 1352-8	3.9	64
27	The ortho-plastic management of Gustilo grade IIIB fractures of the tibia in children: a systematic review of the literature. <i>Injury</i> , <b>2009</b> , 40, 876-9	2.5	28
26	Membrane type 1 matrix metalloproteinase is a crucial promoter of synovial invasion in human rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , <b>2009</b> , 60, 686-97		86
25	Invasive potential of human rheumatoid tenosynovial cells is in part MT1-MMP dependent. <i>Journal of Hand Surgery</i> , <b>2009</b> , 34, 1282-90	2.6	3
24	Myofibroblast distribution in Dupuytren's cords: correlation with digital contracture. <i>Journal of Hand Surgery</i> , <b>2009</b> , 34, 1785-94	2.6	61
23	Comparison of the vascularity of fasciocutaneous tissue and muscle for coverage of open tibial fractures. <i>Plastic and Reconstructive Surgery</i> , <b>2009</b> , 124, 1211-1219	2.7	58
22	Acute compartment syndrome: reducing the risk. <i>Clinical Risk</i> , <b>2008</b> , 14, 114-118		
21	Comparison of the healing of open tibial fractures covered with either muscle or fasciocutaneous tissue in a murine model. <i>Journal of Orthopaedic Research</i> , <b>2008</b> , 26, 1238-44	3.8	104
20	Management of severe open ankle injuries. <i>Plastic and Reconstructive Surgery</i> , <b>2007</b> , 119, 578-89	2.7	31
19	Predicting the outcome of surgery for the proximal interphalangeal joint in Dupuytren's disease. <i>Journal of Hand Surgery</i> , <b>2007</b> , 32, 240-5	2.6	70
18	Management of severe open tibial fractures: the need for combined orthopaedic and plastic surgical treatment in specialist centres. <i>Journal of Bone and Joint Surgery: British Volume</i> , <b>2006</b> , 88, 351-7		165

17	Targeting rheumatoid tenosynovial angiogenesis with cytokine inhibitors. <i>Clinical Orthopaedics and Related Research</i> , <b>2006</b> , 446, 268-77	2.2	10
16	Advances in the modulation of cutaneous wound healing and scarring. <i>BioDrugs</i> , <b>2005</b> , 19, 363-81	7.9	58
15	Leg length preservation with pedicled fillet of foot flaps after traumatic amputations. <i>Plastic and Reconstructive Surgery</i> , <b>2005</b> , 115, 498-505	2.7	46
14	Use of gauze soaked in povidone iodine for dressing acute open wounds. <i>Plastic and Reconstructive Surgery</i> , <b>2003</b> , 111, 2105-7	2.7	13
13	Research options for plastic surgical trainees. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2002</b> , 55, 427-9		25
12	The bra-strap injury. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2002</b> , 55, 453-4		1
11	External Fixation Design Strategies in the Management of Severe Open Tibial Fractures. <i>Techniques in Orthopaedics</i> , <b>2002</b> , 17, 153-172	0.4	3
10	Treatment of rheumatoid tenosynovitis with cytokine inhibitors. <i>Lancet, The</i> , <b>2002</b> , 360, 1565-6	40	15
9	Influence of steroids and methotrexate on wound complications after elective rheumatoid hand and wrist surgery. <i>Journal of Hand Surgery</i> , <b>2002</b> , 27, 449-55	2.6	94
8	Ulnar-sided cleft hand. <i>Journal of Hand Surgery</i> , <b>2002</b> , 27, 493-7	2.6	9
7	The role of matrix metalloproteinases in rheumatoid tendon disease. <i>Journal of Hand Surgery</i> , <b>2002</b> , 27, 1059-64	2.6	14
6	Production of cytokines, vascular endothelial growth factor, matrix metalloproteinases, and tissue inhibitor of metalloproteinases 1 by tenosynovium demonstrates its potential for tendon destruction in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , <b>2001</b> , 44, 1754-60		68
5	Pyoderma gangrenosum occurring in a lower limb fasciocutaneous flap--a lesson to learn. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2000</b> , 53, 437-40		30
4	New grafts for old? A review of alternatives to autologous skin. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>1992</b> , 45, 354-63		83
3	Cultured composite skin grafts: biological skin equivalents permitting massive expansion. <i>Lancet, The</i> , <b>1989</b> , 2, 191-3	40	40
2	SUMIC: A Simple Ultrafast Multicolor Immunolabelling and Clearing Approach for Whole-Organ and Large Tissue 3D Imaging		1
1	Anti-TNF (adalimumab) injection for the treatment of adults with frozen shoulder during the pain predominant stage protocol for a multi-centre, randomised, double blind, parallel group, feasibility trial. <i>NIHR Open Research</i> , <b>2018</b> , 2, 28		0