

# Jayme Augusto Bertelli

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

2,600  
citations

136950

32  
h-index

206112

48  
g-index

82  
all docs

82  
docs citations

82  
times ranked

912  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reconstruction of C5 and C6 brachial plexus avulsion injury by multiple nerve transfers: spinal accessory to suprascapular, ulnar fascicles to biceps branch, and triceps long or lateral head branch to axillary nerve. <i>Journal of Hand Surgery</i> , 2004, 29, 131-139.	1.6	246
2	The rat brachial plexus and its terminal branches: An experimental model for the study of peripheral nerve regeneration. <i>Microsurgery</i> , 1995, 16, 77-85.	1.3	94
3	Axillary nerve repair by triceps motor branch transfer through an axillary access: anatomical basis and clinical results. <i>Journal of Neurosurgery</i> , 2007, 107, 370-377.	1.6	88
4	Transfer of Supinator Motor Branches to the Posterior Interosseous Nerve to Reconstruct Thumb and Finger Extension in Tetraplegia: Case Report. <i>Journal of Hand Surgery</i> , 2010, 35, 1647-1651.	1.6	87
5	Is Axonal Sprouting Able to Traverse the Conjunctival Layers of the Peripheral Nerve? A Behavioral, Motor, and Sensory Study of End-To-Side Nerve Anastomosis. <i>Journal of Reconstructive Microsurgery</i> , 1996, 12, 559-563.	1.8	83
6	Nerve Root Grafting and Distal Nerve Transfers for C5-C6 Brachial Plexus Injuries. <i>Journal of Hand Surgery</i> , 2010, 35, 769-775.	1.6	81
7	Nerve transfers for elbow and finger extension reconstruction in midcervical spinal cord injuries. <i>Journal of Neurosurgery</i> , 2015, 122, 121-127.	1.6	79
8	Nerve transfers for restoration of finger flexion in patients with tetraplegia. <i>Journal of Neurosurgery: Spine</i> , 2017, 26, 55-61.	1.7	74
9	Brachialis Muscle Transfer to Reconstruct Finger Flexion or Wrist Extension in Brachial Plexus Palsy. <i>Journal of Hand Surgery</i> , 2006, 31, 190-196.	1.6	68
10	Transfer of the teres minor motor branch for triceps reinnervation in tetraplegia. <i>Journal of Neurosurgery</i> , 2011, 114, 1457-1460.	1.6	66
11	Transfer of supinator motor branches to the posterior interosseous nerve in C7-T1 brachial plexus palsy. <i>Journal of Neurosurgery</i> , 2010, 113, 129-132.	1.6	62
12	Nerve Transfer From Triceps Medial Head and Anconeus to Deltoid for Axillary Nerve Palsy. <i>Journal of Hand Surgery</i> , 2014, 39, 940-947.	1.6	60
13	Reconstruction of Complete Palsies of the Adult Brachial Plexus by Root Grafting Using Long Grafts and Nerve Transfers to Target Nerves. <i>Journal of Hand Surgery</i> , 2010, 35, 1640-1646.	1.6	57
14	Thumb metacarpal vascularized bone graft in long-standing scaphoid nonunion—a useful graft via dorsal or palmar approach: A cohort study of 24 patients. <i>Journal of Hand Surgery</i> , 2004, 29, 1089-1097.	1.6	54
15	PAIN AFTER AVULSION INJURIES AND COMPLETE Palsy OF THE BRACHIAL PLEXUS. <i>Neurosurgery</i> , 2008, 62, 1104-1114.	1.1	49
16	Very Distal Sensory Nerve Transfers in High Median Nerve Lesions. <i>Journal of Hand Surgery</i> , 2011, 36, 387-393.	1.6	46
17	Results and current approach for Brachial Plexus reconstruction. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2014, 06, e54-e61.	1.0	46
18	Transfer of axillary nerve branches to reconstruct elbow extension in tetraplegics: A laboratory investigation of surgical feasibility. <i>Microsurgery</i> , 2011, 31, 376-381.	1.3	45

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19	Retrograde-Flow Neurocutaneous Island Flaps in the Forearm. <i>Plastic and Reconstructive Surgery</i> , 1995, 95, 851-859.	1.4	44
20	Results of Grafting the Anterior and Posterior Divisions of the Upper Trunk in Complete Palsies of the Brachial Plexus. <i>Journal of Hand Surgery</i> , 2008, 33, 1529-1540.	1.6	44
21	Transfer of the Distal Terminal Motor Branch of the Extensor Carpi Radialis Brevis to the Nerve of the Flexor Pollicis Longus. <i>Neurosurgery</i> , 2012, 70, 1011-1016.	1.1	44
22	Transfer of the Radial Nerve Branch to the Extensor Carpi Radialis Brevis to the Anterior Interosseous Nerve to Reconstruct Thumb and Finger Flexion. <i>Journal of Hand Surgery</i> , 2015, 40, 323-328.e2.	1.6	43
23	Use of clinical signs and computed tomography myelography findings in detecting and excluding nerve root avulsion in complete brachial plexus palsy. <i>Journal of Neurosurgery</i> , 2006, 105, 835-842.	1.6	42
24	Sensory disturbances and pain complaints after brachial plexus root injury: A prospective study involving 150 adult patients. <i>Microsurgery</i> , 2011, 31, 93-97.	1.3	41
25	Concepts of nerve regeneration and repair applied to brachial plexus reconstruction. <i>Microsurgery</i> , 2006, 26, 230-244.	1.3	40
26	Anatomical feasibility of transferring supinator motor branches to the posterior interosseous nerve in C7-T1 brachial plexus palsies. <i>Journal of Neurosurgery</i> , 2009, 111, 326-331.	1.6	40
27	Single-Stage Surgery Combining Nerve and Tendon Transfers for Bilateral Upper Limb Reconstruction in a Tetraplegic Patient: Case Report. <i>Journal of Hand Surgery</i> , 2013, 38, 1366-1369.	1.6	40
28	Nerve Repair by End-to-Side Coaptation or Fascicular Transfer: A Clinical Study. <i>Journal of Reconstructive Microsurgery</i> , 2003, 19, 313-318.	1.8	39
29	Median nerve neurotization by peripheral nerve grafts directly implanted into the spinal cord: anatomical, behavioural and electrophysiological evidences of sensorimotor recovery. <i>Brain Research</i> , 1994, 644, 150-159.	2.2	37
30	Results of spinal accessory to suprascapular nerve transfer in 110 patients with complete palsy of the brachial plexus. <i>Journal of Neurosurgery: Spine</i> , 2016, 24, 990-995.	1.7	37
31	Distal Sensory Nerve Transfers in Lower-Type Injuries of the Brachial Plexus. <i>Journal of Hand Surgery</i> , 2012, 37, 1194-1199.	1.6	35
32	Reappraisal of Clinical Deficits Following High-Median Nerve Injuries. <i>Journal of Hand Surgery</i> , 2016, 41, 13-19.	1.6	35
33	TRICEPS MOTOR NERVE BRANCHES AS A DONOR OR RECEIVER IN NERVE TRANSFERS. <i>Operative Neurosurgery</i> , 2007, 61, 333-339.	0.8	34
34	Transfer of the Motor Branch of the Abductor Digiti Quinti for Thenar Muscle Reinnervation in High Median Nerve Injuries. <i>Journal of Hand Surgery</i> , 2018, 43, 8-15.	1.6	34
35	Transfer of Nerve Branch to the Brachialis to Reconstruct Elbow Extension in Incomplete Tetraplegia: Case Report. <i>Journal of Hand Surgery</i> , 2012, 37, 1990-1993.	1.6	30
36	C5-T8 brachial plexus root injury: the hand. <i>Journal of Neurosurgery</i> , 2012, 116, 409-413.	1.6	28

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37	High Median Nerve Injury. <i>Hand Clinics</i> , 2016, 32, 209-217.	1.0	28
38	Neurocutaneous island flaps in upper limb coverage: Experience with 44 clinical cases. <i>Journal of Hand Surgery</i> , 1997, 22, 515-526.	1.6	27
39	Nerve Versus Tendon Transfer for Radial Nerve Paralysis Reconstruction. <i>Journal of Hand Surgery</i> , 2020, 45, 418-426.	1.6	27
40	Abduction in Internal Rotation: A Test for the Diagnosis of Axillary Nerve Palsy. <i>Journal of Hand Surgery</i> , 2011, 36, 2017-2023.	1.6	26
41	Transfer of the Pronator Quadratus Motor Branch for Wrist Extension Reconstruction in Brachial Plexus Palsy. <i>Plastic and Reconstructive Surgery</i> , 2012, 130, 1269-1278.	1.4	25
42	Transfer of a flexor digitorum superficialis motor branch for wrist extension reconstruction in C5-C8 root injuries of the brachial plexus: A case series. <i>Microsurgery</i> , 2013, 33, 39-42.	1.3	23
43	Patterns of Brachial Plexus Stretch Palsy in a Prospective Series of 565 Surgically Treated Patients. <i>Journal of Hand Surgery</i> , 2017, 42, 443-446.e2.	1.6	23
44	Results of C5 Root Grafting to the Musculocutaneous Nerve Using Pedicled, Vascularized Ulnar Nerve Grafts. <i>Journal of Hand Surgery</i> , 2009, 34, 1821-1826.	1.6	20
45	Transfer of a Terminal Motor Branch Nerve to the Flexor Carpi Ulnaris for Triceps Reinnervation: Anatomical Study and Clinical Cases. <i>Journal of Hand Surgery</i> , 2015, 40, 2229-2235.e2.	1.6	19
46	Transferring the Motor Branch of the Opponens Pollicis to the Terminal Division of the Deep Branch of the Ulnar Nerve for Pinch Reconstruction. <i>Journal of Hand Surgery</i> , 2019, 44, 9-17.	1.6	19
47	Nerve and Free Gracilis Muscle Transfers for Thumb and Finger Extension Reconstruction in Long-standing Tetraplegia. <i>Journal of Hand Surgery</i> , 2016, 41, e411-e416.	1.6	17
48	Outcomes of Radial Nerve Grafting In Children After Distal Humerus Fracture. <i>Journal of Hand Surgery</i> , 2018, 43, 1140.e1-1140.e6.	1.6	17
49	Elbow flexion reconstruction with nerve transfer or grafting in patients with brachial plexus injuries: A systematic review and comparison study. <i>Microsurgery</i> , 2020, 40, 79-86.	1.3	17
50	Brachial plexus dorsal rhizotomy in hemiplegic cerebral palsy. <i>Hand Clinics</i> , 2003, 19, 687-699.	1.0	16
51	Thoracodorsal nerve transfer for triceps reinnervation in partial brachial plexus injuries. <i>Microsurgery</i> , 2016, 36, 191-197.	1.3	16
52	Grafting the C5 Root to the Musculocutaneous Nerve Partially Restores Hand Sensation in Complete Palsies of the Brachial Plexus. <i>Neurosurgery</i> , 2012, 71, 259-263.	1.1	14
53	Functional recovery improvement is related to aberrant reinnervation trimming. A comparative study using fresh or predegenerated nerve grafts. <i>Acta Neuropathologica</i> , 2006, 111, 601-609.	7.7	13
54	The Anabolic Steroid Nandrolone Enhances Motor and Sensory Functional Recovery in Rat Median Nerve Repair With Long Interpositional Nerve Grafts. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 269-276.	2.9	13

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55	Results of wrist extension reconstruction in C5–C8 brachial plexus palsy by transferring the pronator quadratus motor branch to the extensor carpi radialis brevis muscle. <i>Journal of Neurosurgery</i> , 2016, 124, 1442-1449.	1.6	13
56	Nerve transfer for sensory reconstruction of C8–T1 dermatomes in tetraplegia. <i>Microsurgery</i> , 2016, 36, 637-641.	1.3	12
57	Results of nerve grafting in radial nerve injuries occurring proximal to the humerus, including those within the posterior cord. <i>Journal of Neurosurgery</i> , 2016, 124, 179-185.	1.6	12
58	Vascularized Thumb Metacarpal Periosteal Flap for Scaphoid Nonunion in Adolescents: A Prospective Cohort Study of 12 Patients. <i>Journal of Hand Surgery</i> , 2019, 44, 521.e1-521.e11.	1.6	12
59	Effectiveness of Distal Nerve Transfers for Claw Correction With Proximal Ulnar Nerve Lesions. <i>Journal of Hand Surgery</i> , 2021, 46, 478-484.	1.6	12
60	Transfer of the Distal Anterior Interosseous Nerve for Thumb Motion Reconstruction in Radial Nerve Paralysis. <i>Journal of Hand Surgery</i> , 2020, 45, 877.e1-877.e10.	1.6	11
61	Free Gracilis Transfer Reinnervated by the Nerve to the Supinator for the Reconstruction of Finger and Thumb Extension in Longstanding C7-T1 Brachial Plexus Root Avulsion. <i>Journal of Hand Surgery</i> , 2013, 38, 941-946.	1.6	10
62	Vascularized thumb metacarpal periosteal pedicled flap for scaphoid nonunion: An anatomical study and pediatric case report. <i>Microsurgery</i> , 2019, 39, 62-69.	1.3	10
63	The possible role of regenerating axons in pain persistence after brachial plexus grafting. <i>Microsurgery</i> , 2010, 30, 532-536.	1.3	9
64	Free Reverse Gracilis Muscle Combined With Steindler–Flexorplasty for Elbow Flexion Reconstruction After Failed Primary Repair of Extended Upper-Type Paralysis of the Brachial Plexus. <i>Journal of Hand Surgery</i> , 2019, 44, 112-120.	1.6	9
65	The median nerve consistently drives flexion of the distal phalanx of the ring and little fingers: Interest in finger flexion reconstruction by nerve transfers. <i>Microsurgery</i> , 2015, 35, 207-210.	1.3	8
66	Brachial plexus repair by peripheral nerve grafts directly implanted into the contralateral spinal cord. <i>Restorative Neurology and Neuroscience</i> , 1997, 11, 189-194.	0.7	6
67	Results of nerve grafting in radial nerve injuries occurring proximal to the humerus, including those within the posterior cord. <i>Journal of Neurosurgery</i> , 2016, 2016, 179-185.	1.6	6
68	Prior to Repair Functional Deficits in Above- and Below-Elbow Ulnar Nerve Injury. <i>Journal of Hand Surgery</i> , 2020, 45, 552.e1-552.e10.	1.6	6
69	Sensory deficits after a radial nerve injury. <i>Microsurgery</i> , 2018, 38, 151-156.	1.3	5
70	Subterminal key pinch dynamometry: a new method to quantify strength deficit in ulnar nerve paralysis. <i>Journal of Hand Surgery: European Volume</i> , 2020, 45, 813-817.	1.0	5
71	Reconstruction of C5–C8 (T1 Hand) Brachial Plexus Paralysis in a Series of 52 Patients. <i>Journal of Hand Surgery</i> , 2022, 47, 237-246.	1.6	4
72	Lower Trapezius Muscle Transfer for Elbow Extension Reconstruction After Failed Nerve Transfer for Tetraplegia. <i>Journal of Hand Surgery</i> , 2020, 45, 558.e1-558.e4.	1.6	3

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73	Reconstruction of a C7â€“T1 brachial plexus lower root injury by transferring multiple nerves and a free gracilis muscle: Case report. <i>Microsurgery</i> , 2020, 40, 696-699.	1.3	3
74	Triceps and cutaneous radial nerve branches investigated via an axillary anterior arm approach: new findings in a fresh-cadaver anatomical study. <i>Journal of Neurosurgery</i> , 2022, 136, 1424-1433.	1.6	3
75	Transdeltoid Approach to Axillary Nerve Repair: Anatomical Study and Case Series. <i>Journal of Hand Surgery</i> , 2023, 48, 82.e1-82.e9.	1.6	3
76	Selective transfer of nerve to supinator to restore digital extension in central cord syndrome: An anatomical study and a case report. <i>Microsurgery</i> , 2022, 42, 352-359.	1.3	2
77	The C5 root dermatome enlarges and modulates hand pain in total brachial plexus palsy. <i>Microsurgery</i> , 2014, 34, 292-295.	1.3	1
78	Patterns of median nerve branching in the cubital fossa: implications for nerve transfers to restore motor function in a paralyzed upper limb. <i>Journal of Neurosurgery</i> , 2021, 135, 1524-1533.	1.6	1
79	Bilateral Ulnar Nerve Injury in the Wrist: Comparison of First Webspace Muscle Reconstruction by Opponens Nerve Transfer in the Right Hand Versus Direct Ulnar Nerve Repair in the Left Hand. <i>Hand</i> , 2023, 18, NP5-NP9.	1.2	1
80	The Cutaneous Branches of the Median and Ulnar Nerves in the Palm. <i>Journal of Hand Surgery</i> , 2023, 48, 1166.e1-1166.e6.	1.6	1
81	Root Grafting in Adult Brachial Plexus Injuries. , 2021, , 155-162.		0
82	Lower-Type Injuries of the Brachial Plexus (C6â€“T1, C7â€“T1, and C8â€“T1 Root Involvement). , 2021, , 361-370.		0