

Ranjan Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,205
citations

201674

27
h-index

233421

45
g-index

71
all docs

71
docs citations

71
times ranked

2416
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Understanding and Treating Iatrogenic Nerve Injuries in Shoulder Surgery. Journal of the American Academy of Orthopaedic Surgeons, The, 2020, 28, e185-e192. | 2.5 | 6 |
| 2 | Examination of the human motor endplate after brachial plexus injury with two-photon microscopy. Muscle and Nerve, 2020, 61, 390-395. | 2.2 | 6 |
| 3 | Establishing validity of the fundamentals of spinal surgery (FOSS) simulator as a teaching tool for orthopedic and neurosurgical trainees. Spine Journal, 2020, 20, 580-589. | 1.3 | 7 |
| 4 | Authors' Response to Letter to the Editor. Spine Journal, 2020, 20, 1524. | 1.3 | 0 |
| 5 | A Call to Arms: Emergency Hand and Upper-Extremity Operations During the COVID-19 Pandemic. Journal of Hand Surgery Global Online, 2020, 2, 175-181. | 0.8 | 13 |
| 6 | Human motor endplate remodeling after traumatic nerve injury. Journal of Neurosurgery, 2020, 135, 220-227. | 1.6 | 19 |
| 7 | Pharmacological Attenuation of Electrical Effects in a Model of Compression Neuropathy. Journal of Bone and Joint Surgery - Series A, 2019, 101, 523-530. | 3.0 | 4 |
| 8 | Lessons From Leprosy: Peripheral Neuropathies and Deformities in Chronic Demyelinating Diseases. Journal of Hand Surgery, 2019, 44, 411-415. | 1.6 | 5 |
| 9 | Biologic Augmentation in Peripheral Nerve Repair. , 2019, , 141-163. | | 1 |
| 10 | Proximal Interphalangeal Joint Fusion. Hand Clinics, 2018, 34, 177-184. | 1.0 | 11 |
| 11 | Surgical repair in humans after traumatic nerve injury provides limited functional neural regeneration in adults. Experimental Neurology, 2017, 290, 106-114. | 4.1 | 67 |
| 12 | Attenuation of Robust Glial Scar Formation Facilitates Functional Recovery in Animal Models of Chronic Nerve Compression Injury. Journal of Bone and Joint Surgery - Series A, 2017, 99, e132. | 3.0 | 10 |
| 13 | Erythropoietin is Neuroprotective During Ongoing Compression and Speeds Recovery Following Surgical Decompression in a Murine Model of Chronic Compression Neuropathy. Journal of Hand Surgery, 2016, 41, S48-S49. | 1.6 | 0 |
| 14 | Construct Validity for a Cost-effective Arthroscopic Surgery Simulator for Resident Education. Journal of the American Academy of Orthopaedic Surgeons, The, 2016, 24, 886-894. | 2.5 | 27 |
| 15 | The effect of long and short head biceps loading on glenohumeral joint rotational range of motion and humeral head position. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 1979-1987. | 4.2 | 22 |
| 16 | Topical Tranexamic Acid Does Not Affect Electrophysiologic or Neurovascular Sciatic Nerve Markers in an Animal Model. Clinical Orthopaedics and Related Research, 2015, 473, 1074-1082. | 1.5 | 8 |
| 17 | A Cost-Effective Junior Resident Training and Assessment Simulator for Orthopaedic Surgical Skills via Fundamentals of Orthopaedic Surgery. Journal of Bone and Joint Surgery - Series A, 2015, 97, 659-666. | 3.0 | 49 |
| 18 | Neuroprotective Potential of Erythropoietin as an Adjuvant to Decompression for Chronic Compression Neuropathy. Journal of Hand Surgery, 2015, 40, e36-e37. | 1.6 | 0 |

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|----|---|-----|-----------|
| 19 | Desert hedgehog is a mediator of demyelination in compression neuropathies. <i>Experimental Neurology</i> , 2015, 271, 84-94. | 4.1 | 17 |
| 20 | The 2013 American-British-Canadian Traveling Fellowship: Innovation, Accountability, and Insight. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, e66. | 3.0 | 0 |
| 21 | The role of pectoralis major and latissimus dorsi muscles in a biomechanical model of massive rotator cuff tear. <i>Journal of Shoulder and Elbow Surgery</i> , 2014, 23, 1136-1142. | 2.6 | 21 |
| 22 | Targeting the Wnt/ĀCatenin Signaling Pathway After Traumatic Nerve Injury to Improve Functional Recovery. <i>Journal of Hand Surgery</i> , 2014, 39, e13-e14. | 1.6 | 0 |
| 23 | Total joint Perioperative Surgical Home: an observational financial review. <i>Perioperative Medicine (London, England)</i> , 2014, 3, 6. | 1.5 | 46 |
| 24 | Early Surgical Decompression Restores Neurovascular Blood Flow and Ischemic Parameters in an in Vivo Animal Model of Nerve Compression Injury. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 897-906. | 3.0 | 29 |
| 25 | Nerve Allografts and Conduits in Peripheral Nerve Repair. <i>Hand Clinics</i> , 2013, 29, 331-348. | 1.0 | 97 |
| 26 | Matrix metalloproteinase 3 deletion preserves denervated motor endplates after traumatic nerve injury. <i>Annals of Neurology</i> , 2013, 73, 210-223. | 5.3 | 47 |
| 27 | Transplantation of Schwann cells in a collagen tube for the repair of large, segmental peripheral nerve defects in rats. <i>Journal of Neurosurgery</i> , 2013, 119, 720-732. | 1.6 | 71 |
| 28 | Biomechanical comparison of single-row, double-row, and transosseous-equivalent repair techniques after healing in an animal rotator cuff tear model. <i>Journal of Orthopaedic Research</i> , 2013, 31, 1254-1260. | 2.3 | 57 |
| 29 | Mechanisms of fatty degeneration in massive rotator cuff tears. <i>Journal of Shoulder and Elbow Surgery</i> , 2012, 21, 175-180. | 2.6 | 60 |
| 30 | Biophysical stimulation induces demyelination via an integrinĀdependent mechanism. <i>Annals of Neurology</i> , 2012, 72, 112-123. | 5.3 | 14 |
| 31 | Commentary on Kemp et al. (2011): Dose and duration of nerve growth factor (NGF) administration determine the extent of behavioral recovery following peripheral nerve injury in the rat. <i>Experimental Neurology</i> , 2012, 234, 5-7. | 4.1 | 1 |
| 32 | Chronic nerve compression alters schwann cell myelin architecture in a murine model. <i>Muscle and Nerve</i> , 2012, 45, 231-241. | 2.2 | 50 |
| 33 | Reoperative Options for Compressive Neuropathies of the Upper Extremity. , 2012, , 227-242. | | 0 |
| 34 | Limb Salvage With Major Nerve Injury: Current Management and Future Directions. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2011, 19, S28-S34. | 2.5 | 40 |
| 35 | Basic Science of Peripheral Nerve Injury and Repair. , 2011, , 591-600.e3. | | 1 |
| 36 | Nerve compression activates selective nociceptive pathways and upregulates peripheral sodium channel expression in Schwann cells. <i>Journal of Orthopaedic Research</i> , 2010, 28, 753-761. | 2.3 | 12 |

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|----|--|-----|-----------|
| 37 | Development of Fatty Atrophy After Neurologic and Rotator Cuff Injuries in an Animal Model of Rotator Cuff Pathology. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010, 92, 2270-2278. | 3.0 | 121 |
| 38 | Compressive Neuropathies of the Upper Extremity: Update on Pathophysiology, Classification, and Electrodiagnostic Findings. <i>Journal of Hand Surgery</i> , 2010, 35, 668-677. | 1.6 | 76 |
| 39 | Advances in the Management of Spinal Cord Injury. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2010, 18, 210-222. | 2.5 | 64 |
| 40 | An In-Vitro Traumatic Model To Evaluate the Response of Myelinated Cultures to Sustained Hydrostatic Compression Injury. <i>Journal of Neurotrauma</i> , 2009, 26, 2245-2256. | 3.4 | 19 |
| 41 | Understanding the mechanisms of entrapment neuropathies. <i>Neurosurgical Focus</i> , 2009, 26, E7. | 2.3 | 60 |
| 42 | Neuromuscular junction integrity after chronic nerve compression injury. <i>Journal of Orthopaedic Research</i> , 2009, 27, 114-119. | 2.3 | 14 |
| 43 | Resection of glial scar following spinal cord injury. <i>Journal of Orthopaedic Research</i> , 2009, 27, 931-936. | 2.3 | 25 |
| 44 | Functional assessment after sciatic nerve injury in a rat model. <i>Microsurgery</i> , 2009, 29, 644-649. | 1.3 | 85 |
| 45 | c-Jun, krox-20, and integrin β 4 expression following chronic nerve compression injury. <i>Neuroscience Letters</i> , 2009, 465, 194-198. | 2.1 | 15 |
| 46 | Development of a new model for rotator cuff pathology: the rabbit subscapularis muscle. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 80, 97-103. | 3.3 | 48 |
| 47 | Chronic nerve compression injury induces a phenotypic switch of neurons within the dorsal root ganglia. <i>Journal of Comparative Neurology</i> , 2008, 506, 180-193. | 1.6 | 60 |
| 48 | Transplantation of Preconditioned Schwann Cells Following Hemisection Spinal Cord Injury. <i>Spine</i> , 2007, 32, 943-949. | 2.0 | 19 |
| 49 | Contributions of the different rabbit models to our understanding of rotator cuff pathology. <i>Journal of Shoulder and Elbow Surgery</i> , 2007, 16, S149-S157. | 2.6 | 61 |
| 50 | The Role of Neurodiagnostic Studies in Nerve Injuries and Other Orthopedic Disorders. <i>Journal of Hand Surgery</i> , 2007, 32, 1280-1290. | 1.6 | 13 |
| 51 | Macrophage depletion alters the blood-nerve barrier without affecting Schwann cell function after neural injury. <i>Journal of Neuroscience Research</i> , 2007, 85, 766-777. | 2.9 | 41 |
| 52 | Local down-regulation of myelin-associated glycoprotein permits axonal sprouting with chronic nerve compression injury. <i>Experimental Neurology</i> , 2006, 200, 418-429. | 4.1 | 54 |
| 53 | Demyelination secondary to chronic nerve compression injury alters Schmidt-Lanterman incisures. <i>Journal of Anatomy</i> , 2006, 209, 111-118. | 1.5 | 16 |
| 54 | Transplantation of Preconditioned Schwann Cells in Peripheral Nerve Grafts After Contusion in the Adult Spinal Cord. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 2400-2410. | 3.0 | 19 |

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|----|---|-----|-----------|
| 55 | Spatiotemporal Pattern of Macrophage Recruitment after Chronic Nerve Compression Injury. <i>Journal of Neurotrauma</i> , 2006, 23, 216-226. | 3.4 | 22 |
| 56 | TRANSPLANTATION OF PRECONDITIONED SCHWANN CELLS IN PERIPHERAL NERVE GRAFTS AFTER CONTUSION IN THE ADULT SPINAL CORD. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 2400-2410. | 3.0 | 0 |
| 57 | Understanding the Biology of Compressive Neuropathies. <i>Clinical Orthopaedics and Related Research</i> , 2005, &NA;, 251-260. | 1.5 | 28 |
| 58 | Subtotal Medial Epicondylectomy as a Surgical Option for Treatment of Cubital Tunnel Syndrome. <i>Techniques in Hand and Upper Extremity Surgery</i> , 2005, 9, 52-59. | 0.6 | 18 |
| 59 | Shear stress alters the expression of myelin-associated glycoprotein (MAG) and myelin basic protein (MBP) in Schwann cells. <i>Journal of Orthopaedic Research</i> , 2005, 23, 1232-1239. | 2.3 | 63 |
| 60 | Schwann cells upregulate vascular endothelial growth factor secondary to chronic nerve compression injury. <i>Muscle and Nerve</i> , 2005, 31, 452-460. | 2.2 | 52 |
| 61 | Chronic nerve compression induces local demyelination and remyelination in a rat model of carpal tunnel syndrome. <i>Experimental Neurology</i> , 2004, 187, 500-508. | 4.1 | 110 |
| 62 | The anatomy and biochemistry of myelin and myelination. <i>Operative Techniques in Orthopaedics</i> , 2004, 14, 146-152. | 0.1 | 4 |
| 63 | Current surgical techniques of peripheral nerve repair. <i>Operative Techniques in Orthopaedics</i> , 2004, 14, 163-170. | 0.1 | 14 |
| 64 | Peripheral nerve repair: a review. <i>Current Opinion in Orthopaedics</i> , 2004, 15, 215-219. | 0.3 | 17 |
| 65 | Chronic nerve compression induces concurrent apoptosis and proliferation of Schwann cells. <i>Journal of Comparative Neurology</i> , 2003, 461, 174-186. | 1.6 | 155 |
| 66 | Macrophage Recruitment Follows the Pattern of Inducible Nitric Oxide Synthase Expression in a Model for Carpal Tunnel Syndrome. <i>Journal of Neurotrauma</i> , 2003, 20, 671-680. | 3.4 | 26 |
| 67 | Optimization of Schwann Cell Adhesion in Response to Shear Stress in an in Vitro Model for Peripheral Nerve Tissue Engineering. <i>Tissue Engineering</i> , 2003, 9, 233-241. | 4.6 | 28 |
| 68 | A Novel Method of Skeletal Fixation in an Above-Elbow Replantation: The Dowel Pin Technique. <i>Plastic and Reconstructive Surgery</i> , 2003, 111, 2349-2352. | 1.4 | 1 |
| 69 | Evaluation of an acute nerve compression injury with magnetic resonance neurography. <i>Journal of Hand Surgery</i> , 2001, 26, 1093-1099. | 1.6 | 23 |
| 70 | The effect of shear stress on fibroblasts derived from Dupuytren's tissue and normal palmar fascia. <i>Journal of Hand Surgery</i> , 1998, 23, 945-950. | 1.6 | 16 |