

Greg N Kawchuk

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,509
citations

304743

22
h-index

377865

34
g-index

84
all docs

84
docs citations

84
times ranked

1049
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Preliminary Investigation of the Mechanisms Underlying the Effects of Manipulation. <i>Spine</i> , 2011, 36, 1772-1781. | 2.0 | 92 |
| 2 | Biomechanical characterization (fingerprinting) of five novel methods of cervical spine manipulation. <i>Journal of Manipulative and Physiological Therapeutics</i> , 1993, 16, 573-7. | 0.9 | 74 |
| 3 | Association Between Changes in Abdominal and Lumbar Multifidus Muscle Thickness and Clinical Improvement After Spinal Manipulation. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2011, 41, 389-399. | 3.5 | 63 |
| 4 | Do Participants With Low Back Pain Who Respond to Spinal Manipulative Therapy Differ Biomechanically From Nonresponders, Untreated Controls or Asymptomatic Controls?. <i>Spine</i> , 2015, 40, 1329-1337. | 2.0 | 63 |
| 5 | Do various baseline characteristics of transversus abdominis and lumbar multifidus predict clinical outcomes in nonspecific low back pain? A systematic review. <i>Pain</i> , 2013, 154, 2589-2602. | 4.2 | 55 |
| 6 | Do Changes in Transversus Abdominis and Lumbar Multifidus During Conservative Treatment Explain Changes in Clinical Outcomes Related to Nonspecific Low Back Pain? A Systematic Review. <i>Journal of Pain</i> , 2014, 15, 377.e1-377.e35. | 1.4 | 53 |
| 7 | Real-Time Visualization of Joint Cavitation. <i>PLoS ONE</i> , 2015, 10, e0119470. | 2.5 | 46 |
| 8 | Forces generated during spinal manipulative therapy of the cervical spine: a pilot study. <i>Journal of Manipulative and Physiological Therapeutics</i> , 1992, 15, 275-8. | 0.9 | 38 |
| 9 | Neural Responses to the Mechanical Parameters of a High-Velocity, Low-Amplitude Spinal Manipulation: Effect of Preload Parameters. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2014, 37, 68-78. | 0.9 | 37 |
| 10 | Chiropractic, one big unhappy family: better together or apart?. <i>Chiropractic & Manual Therapies</i> , 2019, 27, 4. | 1.5 | 37 |
| 11 | Forces and relative vertebral movements during SMT to unembalmed post-rigor human cadavers: peculiarities associated with joint cavitation. <i>Journal of Manipulative and Physiological Therapeutics</i> , 1995, 18, 4-9. | 0.9 | 36 |
| 12 | Reliability of 2 Ultrasonic Imaging Analysis Methods in Quantifying Lumbar Multifidus Thickness. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2013, 43, 251-262. | 3.5 | 34 |
| 13 | Sources of variation in spinal indentation testing: Indentation site relocation, intraabdominal pressure, subject movement, muscular response, and stiffness estimation. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2001, 24, 84-91. | 0.9 | 32 |
| 14 | The relation between the spatial distribution of vertebral artery compromise and exposure to cervical manipulation. <i>Journal of Neurology</i> , 2008, 255, 371-377. | 3.6 | 31 |
| 15 | The Clinical Value of Assessing Lumbar Posteroanterior Segmental Stiffness: A Narrative Review of Manual and Instrumented Methods. <i>PM and R</i> , 2017, 9, 816-830. | 1.6 | 31 |
| 16 | Feeling stiffness in the back: a protective perceptual inference in chronic back pain. <i>Scientific Reports</i> , 2017, 7, 9681. | 3.3 | 31 |
| 17 | Neural responses to the mechanical characteristics of high velocity, low amplitude spinal manipulation: Effect of specific contact site. <i>Manual Therapy</i> , 2015, 20, 797-804. | 1.6 | 30 |
| 18 | Does experimental low back pain change posteroanterior lumbar spinal stiffness and trunk muscle activity? A randomized crossover study. <i>Clinical Biomechanics</i> , 2016, 34, 45-52. | 1.2 | 30 |

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|----|--|-----|-----------|
| 19 | Variability of Force Magnitude and Force Duration in Manual and Instrument-Based Manipulation Techniques. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2006, 29, 611-618. | 0.9 | 28 |
| 20 | Association of Exposures to Seated Postures With Immediate Increases in Back Pain: A Systematic Review of Studies With Objectively Measured Sitting Time. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2020, 43, 1-12. | 0.9 | 28 |
| 21 | Reliability of assisted indentation in measuring lumbar spinal stiffness. <i>Manual Therapy</i> , 2009, 14, 197-205. | 1.6 | 26 |
| 22 | The effect of application site of spinal manipulative therapy (SMT) on spinal stiffness. <i>Spine Journal</i> , 2015, 15, 1332-1338. | 1.3 | 25 |
| 23 | Misinformation about spinal manipulation and boosting immunity: an analysis of Twitter activity during the COVID-19 crisis. <i>Chiropractic & Manual Therapies</i> , 2020, 28, 34. | 1.5 | 23 |
| 24 | A non-randomized clinical trial to assess the impact of nonrigid, inelastic corsets on spine function in low back pain participants and asymptomatic controls. <i>Spine Journal</i> , 2015, 15, 2222-2227. | 1.3 | 22 |
| 25 | The Accuracy of Locating Lumbar Vertebrae When Using Palpation Versus Ultrasonography. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2016, 39, 387-392. | 0.9 | 22 |
| 26 | The importance of selecting the correct site to apply spinal manipulation when treating spinal pain: Myth or reality? A systematic review. <i>Scientific Reports</i> , 2021, 11, 23415. | 3.3 | 22 |
| 27 | The global summit on the efficacy and effectiveness of spinal manipulative therapy for the prevention and treatment of non-musculoskeletal disorders: a systematic review of the literature. <i>Chiropractic & Manual Therapies</i> , 2021, 29, 8. | 1.5 | 21 |
| 28 | Ultrasonic indentation: A procedure for the noninvasive quantification of force-displacement properties of the lumbar spine. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2001, 24, 149-156. | 0.9 | 20 |
| 29 | A True Blind for Subjects Who Receive Spinal Manipulation Therapy. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 366-368. | 0.9 | 20 |
| 30 | Identification of Spinal Tissues Loaded by Manual Therapy. <i>Spine</i> , 2010, 35, 1983-1990. | 2.0 | 20 |
| 31 | The effect on clinical outcomes when targeting spinal manipulation at stiffness or pain sensitivity: a randomized trial. <i>Scientific Reports</i> , 2020, 10, 14615. | 3.3 | 20 |
| 32 | The effect of duration and amplitude of spinal manipulative therapy (SMT) on spinal stiffness. <i>Manual Therapy</i> , 2012, 17, 577-583. | 1.6 | 19 |
| 33 | A united statement of the global chiropractic research community against the pseudoscientific claim that chiropractic care boosts immunity. <i>Chiropractic & Manual Therapies</i> , 2020, 28, 21. | 1.5 | 18 |
| 34 | The relation between the application angle of spinal manipulative therapy (SMT) and resultant vertebral accelerations in an in situ porcine model. <i>Manual Therapy</i> , 2009, 14, 480-483. | 1.6 | 17 |
| 35 | Research priorities of the Canadian chiropractic profession: a consensus study using a modified Delphi technique. <i>Chiropractic & Manual Therapies</i> , 2017, 25, 38. | 1.5 | 17 |
| 36 | Pressures Generated During Spinal Manipulation and Their Association With Hand Anatomy. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2005, 28, 265.e1-265.e7. | 0.9 | 16 |

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|----|---|-----|-----------|
| 37 | The Accuracy of Ultrasonic Indentation in Detecting Simulated Bone Displacement: A Comparison of Three Techniques. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2006, 29, 126-133. | 0.9 | 15 |
| 38 | Creation of an asymmetrical gradient of back muscle activity and spinal stiffness during asymmetrical hip extension. <i>Clinical Biomechanics</i> , 2009, 24, 799-806. | 1.2 | 15 |
| 39 | Structural health monitoring to detect the presence, location and magnitude of structural damage in cadaveric porcine spines. <i>Journal of Biomechanics</i> , 2009, 42, 109-115. | 2.1 | 14 |
| 40 | Criterion validity of manual assessment of spinal stiffness. <i>Manual Therapy</i> , 2014, 19, 589-594. | 1.6 | 14 |
| 41 | Performance and Reliability of a Variable Rate, Force/Displacement Application System. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2010, 33, 585-593. | 0.9 | 13 |
| 42 | Spinal landmark depth in relation to body mass index. <i>Manual Therapy</i> , 2011, 16, 384-387. | 1.6 | 13 |
| 43 | Reliability of a new loaded rolling wheel system for measuring spinal stiffness in asymptomatic participants. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 176. | 1.9 | 13 |
| 44 | Letter to the Editor Re: Oakley PA, Cuttler JM, Harrison DE. X-Ray Imaging Is Essential for Contemporary Chiropractic and Manual Therapy Spinal Rehabilitation: Radiography Increases Benefits and Reduces Risks. <i>Dose Response</i> . 2018 Jun 19;16(2). Dose-Response, 2018, 16, 155932581881152. | 1.6 | 12 |
| 45 | The use of internet analytics by a Canadian provincial chiropractic regulator to monitor, evaluate and remediate misleading claims regarding specific health conditions, pregnancy, and COVID-19. <i>Chiropractic & Manual Therapies</i> , 2020, 28, 24. | 1.5 | 12 |
| 46 | Spinal Tissue Loading Created by Different Methods of Spinal Manipulative Therapy Application. <i>Spine</i> , 2017, 42, 635-643. | 2.0 | 12 |
| 47 | The feasibility of vibration as a tool to assess spinal integrity. <i>Journal of Biomechanics</i> , 2008, 41, 2319-2323. | 2.1 | 11 |
| 48 | Knowledge exchange and knowledge translation in physical therapy and manual therapy fields: barriers, facilitators and issues. <i>Physical Therapy Reviews</i> , 2012, 17, 227-233. | 0.8 | 11 |
| 49 | A new statistical trend in clinical research â€“ Bayesian statistics. <i>Physical Therapy Reviews</i> , 2010, 15, 372-381. | 0.8 | 10 |
| 50 | The reproducibility of signals from skin-mounted accelerometers following removal and replacement. <i>Gait and Posture</i> , 2011, 34, 432-434. | 1.4 | 10 |
| 51 | Does the application site of spinal manipulative therapy alter spinal tissues loading?. <i>Spine Journal</i> , 2018, 18, 1041-1052. | 1.3 | 10 |
| 52 | Study protocol for patient response to spinal manipulation â€“ a prospective observational clinical trial on physiological and patient-centered outcomes in patients with chronic low back pain. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 292. | 3.7 | 9 |
| 53 | Differential patient responses to spinal manipulative therapy and their relation to spinal degeneration and post-treatment changes in disc diffusion. <i>European Spine Journal</i> , 2019, 28, 259-269. | 2.2 | 9 |
| 54 | Quantification of loading in biomechanical testing: the influence of dissection sequence. <i>Journal of Biomechanics</i> , 2015, 48, 3522-3526. | 2.1 | 8 |

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|----|---|-----|-----------|
| 55 | Tissue loading created during spinal manipulation in comparison to loading created by passive spinal movements. <i>Scientific Reports</i> , 2016, 6, 38107. | 3.3 | 8 |
| 56 | Clinicians's Ability to Detect a Palpable Difference in Spinal Stiffness Compared With a Mechanical Device. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2019, 42, 89-95. | 0.9 | 8 |
| 57 | Defining the Effect of Cervical Manipulation on Vertebral Artery Integrity: Establishment of an Animal Model. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2004, 27, 539-546. | 0.9 | 7 |
| 58 | The bench-top accuracy of the VerteTrack spinal stiffness assessment device. <i>Chiropractic & Manual Therapies</i> , 2020, 28, 42. | 1.5 | 7 |
| 59 | SafetyNET Community-based patient safety initiatives: development and application of a Patient Safety and Quality Improvement Survey. <i>Journal of the Canadian Chiropractic Association</i> , 2018, 62, 130-142. | 0.2 | 7 |
| 60 | Bulging of the Inner and Outer Annulus During In Vivo Axial Loading of Normal and Degenerated Discs. <i>Journal of Spinal Disorders and Techniques</i> , 2009, 22, 214-218. | 1.9 | 6 |
| 61 | Potential mechanisms for lumbar spinal stiffness change following spinal manipulative therapy: a scoping review. <i>Chiropractic & Manual Therapies</i> , 2020, 28, 15. | 1.5 | 6 |
| 62 | X-ray vision: the accuracy and repeatability of a technology that allows clinicians to see spinal X-rays superimposed on a person's back. <i>PeerJ</i> , 2019, 7, e6333. | 2.0 | 6 |
| 63 | A prospective study of patients with low back pain attending a Canadian emergency department: Why they came and what happened?. <i>PLoS ONE</i> , 2022, 17, e0268123. | 2.5 | 6 |
| 64 | Changes in pain sensitivity and spinal stiffness in relation to responder status following spinal manipulative therapy in chronic low Back pain: a secondary explorative analysis of a randomized trial. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 23. | 1.9 | 5 |
| 65 | A cross-sectional analysis of persistent low back pain, using correlations between lumbar stiffness, pressure pain threshold, and heat pain threshold. <i>Chiropractic & Manual Therapies</i> , 2021, 29, 34. | 1.5 | 5 |
| 66 | Structural health monitoring (vibration) as a tool for identifying structural alterations of the lumbar spine: a twin control study. <i>Scientific Reports</i> , 2016, 6, 22974. | 3.3 | 4 |
| 67 | Self-reports vs. physical measures of spinal stiffness. <i>PeerJ</i> , 2020, 8, e9598. | 2.0 | 4 |
| 68 | Patient-Induced Reaction Forces and Moments Are Influenced by Variations in Spinal Manipulative Technique. <i>Spine</i> , 2017, 42, E71-E77. | 2.0 | 3 |
| 69 | More published full-time researchers, early career researchers, clinician-researchers and graduate students unite to call for actions against the pseudoscientific claim that chiropractic care boosts immunity. <i>Chiropractic & Manual Therapies</i> , 2020, 28, 48. | 1.5 | 3 |
| 70 | Posterior to anterior spinal stiffness measured in a sample of 127 secondary care low back pain patients. <i>Clinical Biomechanics</i> , 2021, 87, 105408. | 1.2 | 3 |
| 71 | Using artificial intelligence algorithms to identify existing knowledge within the back pain literature. <i>European Spine Journal</i> , 2020, 29, 1917-1924. | 2.2 | 3 |
| 72 | Force Distribution Within Spinal Tissues During Posterior to Anterior Spinal Manipulative Therapy: A Secondary Analysis. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 809372. | 2.1 | 3 |

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|----|--|-----|-----------|
| 73 | Commentary: Therapeutic ultrasound: What now?. Spine Journal, 2011, 11, 978. | 1.3 | 2 |
| 74 | Predicting who responds to spinal manipulative therapy using a short-time frame methodology: Results from a 238-participant study. PLoS ONE, 2020, 15, e0242831. | 2.5 | 2 |
| 75 | Repetitive in vivo manual loading of the spine elicits cellular responses in porcine annuli fibrosi. PLoS ONE, 2021, 16, e0248104. | 2.5 | 1 |
| 76 | Kawchuk responds. Spine Journal, 2012, 12, 360-361. | 1.3 | 0 |
| 77 | Mechanical changes in the spine in back pain. , 2013, , 31-37. | | 0 |
| 78 | The McAndrews Leadership Lecture: February 2016, by Dr Greg Kawchuk. Putting the "Back in Chiropractic. Journal of Chiropractic Humanities, 2017, 24, 44-48. | 0.8 | 0 |
| 79 | Response to Lawrence DJ: the global summit on the efficacy and effectiveness of spinal manipulative therapy for the prevention and treatment of non-musculoskeletal disorders: a systematic review of the literature. Chiropractic & Manual Therapies, 2021, 29, 26. | 1.5 | 0 |
| 80 | Title is missing!. , 2020, 15, e0242831. | | 0 |
| 81 | Title is missing!. , 2020, 15, e0242831. | | 0 |
| 82 | Title is missing!. , 2020, 15, e0242831. | | 0 |
| 83 | Title is missing!. , 2020, 15, e0242831. | | 0 |