

Alan R Hargens

List of Publications by Year in descending order

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Version: 2024-02-01

143
papers

5,783
citations

71102

41
h-index

88630

70
g-index

145
all docs

145
docs citations

145
times ranked

4265
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Biomechanical changes in the lumbar spine following spaceflight and factors associated with postspaceflight disc herniation. <i>Spine Journal</i> , 2022, 22, 197-206. | 1.3 | 13 |
| 2 | Cerebrovascular Effects of Lower Body Negative Pressure at 3T MRI : Implications for Longâ€Duration Space Travel. <i>Journal of Magnetic Resonance Imaging</i> , 2022, , . | 3.4 | 2 |
| 3 | Cardiovascular, Lymphatic, and Ocular Health in Space. <i>Life</i> , 2022, 12, 268. | 2.4 | 5 |
| 4 | Using hierarchical unsupervised learning to integrate and reduce multi-level and multi-paraspinal muscle MRI data in relation to low back pain. <i>European Spine Journal</i> , 2022, 31, 2046-2056. | 2.2 | 1 |
| 5 | Spaceflight-Associated Vascular Remodeling and Gene Expression in Mouse Calvaria. <i>Frontiers in Physiology</i> , 2022, 13, . | 2.8 | 1 |
| 6 | Changes in Optic Nerve Head and Retinal Morphology During Spaceflight and Acute Fluid Shift Reversal. <i>JAMA Ophthalmology</i> , 2022, 140, 763. | 2.5 | 14 |
| 7 | Reduced Gravity by Lower Body Positive Pressure. , 2021, , 479-488. | | 0 |
| 8 | Parabolic Flight. , 2021, , 489-498. | | 0 |
| 9 | Generating waist area-dependent ground reaction forces for long-duration spaceflight. <i>Journal of Biomechanics</i> , 2021, 118, 110272. | 2.1 | 0 |
| 10 | Mechanical countermeasures to headward fluid shifts. <i>Journal of Applied Physiology</i> , 2021, 130, 1766-1777. | 2.5 | 15 |
| 11 | Intraocular pressure and choroidal thickness respond differently to lower body negative pressure during spaceflight. <i>Journal of Applied Physiology</i> , 2021, 131, 613-620. | 2.5 | 21 |
| 12 | Ground-Based Analogs for Human Spaceflight. <i>Frontiers in Physiology</i> , 2020, 11, 716. | 2.8 | 54 |
| 13 | The Mobile Lower Body Negative Pressure Gravity Suit for Long-Duration Spaceflight. <i>Frontiers in Physiology</i> , 2020, 11, 977. | 2.8 | 9 |
| 14 | Parabolic Flight. , 2020, , 1-8. | | 0 |
| 15 | Parabolic Flight. , 2020, , 1-8. | | 0 |
| 16 | Intracranial Pressure After Soccer Heading. <i>FASEB Journal</i> , 2020, 34, 1-1. | 0.5 | 3 |
| 17 | The NASA Twins Study: A multidimensional analysis of a year-long human spaceflight. <i>Science</i> , 2019, 364, . | 12.6 | 576 |
| 18 | Assessment of Jugular Venous Blood Flow Stasis and Thrombosis During Spaceflight. <i>JAMA Network Open</i> , 2019, 2, e1915011. | 5.9 | 152 |

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|----|--|------|-----------|
| 19 | Noninvasive diagnostics for extremity compartment syndrome following traumatic injury: A state-of-the-art review. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, S59-S66. | 2.1 | 16 |
| 20 | Skeletal changes during and after spaceflight. <i>Nature Reviews Rheumatology</i> , 2018, 14, 229-245. | 8.0 | 135 |
| 21 | From the international space station to the clinic: how prolonged unloading may disrupt lumbar spine stability. <i>Spine Journal</i> , 2018, 18, 7-14. | 1.3 | 92 |
| 22 | Spaceflight-Induced Intracranial Hypertension and Visual Impairment: Pathophysiology and Countermeasures. <i>Physiological Reviews</i> , 2018, 98, 59-87. | 28.8 | 186 |
| 23 | Aging Decreases Hand Volume Expansion with Water Immersion. <i>Frontiers in Physiology</i> , 2018, 9, 72. | 2.8 | 1 |
| 24 | Tibia Bone Microvascular Flow Dynamics as Compared to Anterior Tibial Artery Flow During Body Tilt. <i>Aerospace Medicine and Human Performance</i> , 2018, 89, 357-364. | 0.4 | 6 |
| 25 | The Effects of Resistance Exercise on Intracranial Pressure. <i>FASEB Journal</i> , 2018, 32, 587.8. | 0.5 | 1 |
| 26 | Gender differences in tibial microvascular flow responses to head down tilt and lower body negative pressure. <i>Physiological Reports</i> , 2017, 5, e13143. | 1.7 | 9 |
| 27 | Lower-body negative pressure decreases noninvasively measured intracranial pressure and internal jugular vein cross-sectional area during head-down tilt. <i>Journal of Applied Physiology</i> , 2017, 123, 260-266. | 2.5 | 29 |
| 28 | Thirty days of spaceflight does not alter murine calvariae structure despite increased Sost expression. <i>Bone Reports</i> , 2017, 7, 57-62. | 0.4 | 18 |
| 29 | Muscle Microvascular Blood Flow, Oxygenation, pH, and Perfusion Pressure Decrease in Simulated Acute Compartment Syndrome. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 1453-1459. | 3.0 | 22 |
| 30 | Introduction to Visual Impairment and Intracranial Pressure. , 2017, , 1-3. | | 0 |
| 31 | Bone microvascular flow differs from skin microvascular flow in response to head-down tilt. <i>Journal of Applied Physiology</i> , 2017, 123, 860-866. | 2.5 | 8 |
| 32 | Lumbar Spine Paraspinal Muscle and Intervertebral Disc Height Changes in Astronauts After Long-Duration Spaceflight on the International Space Station. <i>Spine</i> , 2016, 41, 1917-1924. | 2.0 | 77 |
| 33 | Treadmill exercise within lower-body negative pressure attenuates simulated spaceflight-induced reductions of balance abilities in men but not women. <i>Npj Microgravity</i> , 2016, 2, 16022. | 3.7 | 16 |
| 34 | WISE 2005: Aerobic and resistive countermeasures prevent paraspinal muscle deconditioning during 60-day bed rest in women. <i>Journal of Applied Physiology</i> , 2016, 120, 1215-1222. | 2.5 | 30 |
| 35 | Long-duration bed rest as an analog to microgravity. <i>Journal of Applied Physiology</i> , 2016, 120, 891-903. | 2.5 | 234 |
| 36 | Spaceflight-induced bone loss alters failure mode and reduces bending strength in murine spinal segments. <i>Journal of Orthopaedic Research</i> , 2016, 34, 48-57. | 2.3 | 34 |

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|----|---|-----|-----------|
| 37 | Treadmill exercise within lower body negative pressure protects leg lean tissue mass and extensor strength and endurance during bed rest. <i>Physiological Reports</i> , 2016, 4, e12892. | 1.7 | 11 |
| 38 | The effect of simulated microgravity on lumbar spine biomechanics: an in vitro study. <i>European Spine Journal</i> , 2016, 25, 2889-2897. | 2.2 | 13 |
| 39 | Disc herniations in astronauts: What causes them, and what does it tell us about herniation on earth?. <i>European Spine Journal</i> , 2016, 25, 144-154. | 2.2 | 77 |
| 40 | OSTEOPOROSIS, CIRCULATION, AND FLUID DYNAMICS. , 2016, , 253-282. | | 0 |
| 41 | Intraocular and Intracranial Pressures During Head-Down Tilt with Lower Body Negative Pressure. <i>Aviation, Space, and Environmental Medicine</i> , 2015, 86, 3-7. | 0.5 | 39 |
| 42 | Shoulder skin and muscle hemodynamics during backpack carriage. <i>Applied Ergonomics</i> , 2015, 51, 80-84. | 3.1 | 8 |
| 43 | Lower-body negative pressure restores leg bone microvascular flow to supine levels during head-down tilt. <i>Journal of Applied Physiology</i> , 2015, 119, 101-109. | 2.5 | 15 |
| 44 | Lower Body Negative Pressure Counters Internal Jugular Vein Engorgement during Simulated Microgravity. <i>FASEB Journal</i> , 2015, 29, 990.9. | 0.5 | 0 |
| 45 | Lumbar Paraspinal Muscle Atrophy during Long Duration Spaceflight. <i>FASEB Journal</i> , 2015, 29, 990.4. | 0.5 | 0 |
| 46 | Cerebral Vascular Changes in Space Mice Calvaria. <i>FASEB Journal</i> , 2015, 29, 990.8. | 0.5 | 0 |
| 47 | Altered Disc Compression in Children With Idiopathic Low Back Pain. <i>Spine</i> , 2014, 39, 243-248. | 2.0 | 14 |
| 48 | Sex-specific responses of bone metabolism and renal stone risk during bed rest. <i>Physiological Reports</i> , 2014, 2, e12119. | 1.7 | 17 |
| 49 | Upper extremity hemodynamics and sensation with backpack loads. <i>Applied Ergonomics</i> , 2014, 45, 608-612. | 3.1 | 19 |
| 50 | Postoperative Imaging of Bioabsorbable Anchors in Rotator Cuff Repair. <i>American Journal of Sports Medicine</i> , 2014, 42, 552-557. | 4.2 | 51 |
| 51 | Body posture and backpack loading: an upright magnetic resonance imaging study of the adult lumbar spine. <i>European Spine Journal</i> , 2014, 23, 1407-1413. | 2.2 | 18 |
| 52 | WISE-2005: Countermeasures to prevent muscle deconditioning during bed rest in women. <i>Journal of Applied Physiology</i> , 2014, 116, 654-667. | 2.5 | 45 |
| 53 | Effect of microgravity on the biomechanical properties of lumbar and caudal intervertebral discs in mice. <i>Journal of Biomechanics</i> , 2014, 47, 2983-2988. | 2.1 | 39 |
| 54 | Accuracy of Water Displacement Hand Volumetry Using an Ethanol and Water Mixture. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 187-190. | 0.5 | 3 |

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|----|---|-----|-----------|
| 55 | Intraocular/Intracranial Pressure Mismatch Hypothesis for Visual Impairment Syndrome in Space. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 78-80. | 0.5 | 47 |
| 56 | Maximizing information from space data resources: a case for expanding integration across research disciplines. <i>European Journal of Applied Physiology</i> , 2013, 113, 1645-1654. | 2.5 | 42 |
| 57 | Bone hemodynamic responses to changes in external pressure. <i>Bone</i> , 2013, 52, 604-610. | 2.9 | 14 |
| 58 | Loop Securities of Arthroscopic Sliding-Knot Techniques When the Suture Loop Is Not Evenly Tensioned. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 1380-1386. | 2.7 | 15 |
| 59 | Fifteen days of microgravity causes growth in calvaria of mice. <i>Bone</i> , 2013, 56, 290-295. | 2.9 | 39 |
| 60 | Space physiology VI: exercise, artificial gravity, and countermeasure development for prolonged space flight. <i>European Journal of Applied Physiology</i> , 2013, 113, 2183-2192. | 2.5 | 127 |
| 61 | Movement-Induced Knot Migration After Anterior Stabilization in the Shoulder. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, 485-490. | 2.7 | 28 |
| 62 | Comparison of cardiovascular and biomechanical parameters of supine lower body negative pressure and upright lower body positive pressure to simulate activity in 1/6 G and 3/8 G. <i>Journal of Applied Physiology</i> , 2013, 115, 275-284. | 2.5 | 20 |
| 63 | Increased microvascular flow and foot sensation with mild continuous external compression. <i>Physiological Reports</i> , 2013, 1, e00157. | 1.7 | 3 |
| 64 | Effect of Load Carriage on Lumbar Spine Kinematics. <i>Spine</i> , 2013, 38, E783-E791. | 2.0 | 41 |
| 65 | Anterior-Posterior Transcranial Ultrasound to Measure Cranial Oscillations. <i>Aviation, Space, and Environmental Medicine</i> , 2013, 84, 995-1000. | 0.5 | 2 |
| 66 | Body position and backpack loading: an upright magnetic resonance imaging study of the adult lumbar spine. <i>FASEB Journal</i> , 2013, 27, lb778. | 0.5 | 0 |
| 67 | Noninvasive Measurements of Pressure for Detecting Compartment Syndromes. <i>Journal of Orthopedics & Rheumatology</i> , 2013, 1, 5. | 0.1 | 4 |
| 68 | Leg intramuscular pressures and in vivo knee forces during lower body positive and negative pressure treadmill exercise. <i>Journal of Applied Physiology</i> , 2012, 113, 31-38. | 2.5 | 17 |
| 69 | Using the Moon as a high-fidelity analogue environment to study biological and behavioral effects of long-duration space exploration. <i>Planetary and Space Science</i> , 2012, 74, 111-120. | 1.7 | 30 |
| 70 | Photoplethysmography for non-invasive in vivo measurement of bone hemodynamics. <i>Physiological Measurement</i> , 2012, 33, 1027-1042. | 2.1 | 27 |
| 71 | Modeling Intracranial Pressure in Microgravity during Parabolic Flight. <i>FASEB Journal</i> , 2012, 26, 1085.11. | 0.5 | 0 |
| 72 | The Headache of High Altitude and Microgravity—Similarities with Clinical Syndromes of Cerebral Venous Hypertension. <i>High Altitude Medicine and Biology</i> , 2011, 12, 379-386. | 0.9 | 65 |

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|----|---|-----|-----------|
| 73 | Toe Blood Pressure and Leg Muscle Oxygenation with Body Posture. Aviation, Space, and Environmental Medicine, 2011, 82, 531-534. | 0.5 | 3 |
| 74 | Bruxism and Temporal Bone Hypermobility in Patients with Multiple Sclerosis. Cranio - Journal of Craniomandibular Practice, 2011, 29, 178-186. | 1.4 | 7 |
| 75 | Blood Flow and Oxygenation are Modulated by External Pressure during Isometric Muscle Contraction. FASEB Journal, 2011, 25, 1046.2. | 0.5 | 0 |
| 76 | The Effect of Backpacks on the Lumbar Spine in Children. Spine, 2010, 35, 83-88. | 2.0 | 58 |
| 77 | Oxygen Consumption During Walking and Running Under Fractional Weight Bearing Conditions. Aviation, Space, and Environmental Medicine, 2010, 81, 550-554. | 0.5 | 22 |
| 78 | LBNP exercise protects aerobic capacity and sprint speed of female twins during 30 days of bed rest. Journal of Applied Physiology, 2009, 106, 919-928. | 2.5 | 40 |
| 79 | Cardiovascular adaptations, fluid shifts, and countermeasures related to space flight. Respiratory Physiology and Neurobiology, 2009, 169, S30-S33. | 1.6 | 173 |
| 80 | Rhythmic contractility in the hepatic portal "corkscrew" vein of the rat snake. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 152, 389-397. | 1.8 | 1 |
| 81 | Heritability of bone density: Regional and gender differences in monozygotic twins. Journal of Orthopaedic Research, 2009, 27, 150-154. | 2.3 | 23 |
| 82 | Noninvasive monitoring of elevated intramuscular pressure in a model compartment syndrome via quantitative fascial motion. Journal of Orthopaedic Research, 2009, 27, 489-494. | 2.3 | 21 |
| 83 | WISE-2005: effect of aerobic and resistive exercises on orthostatic tolerance during 60 days bed rest in women. European Journal of Applied Physiology, 2009, 106, 217-227. | 2.5 | 59 |
| 84 | Depth of penetration of negative pressure wound therapy into underlying tissues. Wound Repair and Regeneration, 2009, 17, 113-117. | 3.0 | 17 |
| 85 | Comparing two devices of suspended treadmill walking by varying body unloading and Froude number. Gait and Posture, 2009, 30, 446-451. | 1.4 | 48 |
| 86 | New Noninvasive Ultrasound Technique for Monitoring Perfusion Pressure in a Porcine Model of Acute Compartment Syndrome. Journal of Orthopaedic Trauma, 2009, 23, 186-192. | 1.4 | 24 |
| 87 | WISE-2005. Medicine and Science in Sports and Exercise, 2009, 41, 2165-2176. | 0.4 | 43 |
| 88 | Mobility of the Elastic Counterpressure Space Suit Glove. Aviation, Space, and Environmental Medicine, 2009, 80, 890-893. | 0.5 | 9 |
| 89 | Richard von Volkmann. Clinical Orthopaedics and Related Research, 2008, 466, 500-506. | 1.5 | 17 |
| 90 | Effects of dynamic and static handgrip exercises on hand and wrist volume. European Journal of Applied Physiology, 2008, 103, 41-45. | 2.5 | 16 |

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|-----|--|-----|-----------|
| 91 | WISE-2005: Supine treadmill exercise within lower body negative pressure and flywheel resistive exercise as a countermeasure to bed rest-induced bone loss in women during 60-day simulated microgravity. <i>Bone</i> , 2008, 42, 572-581. | 2.9 | 72 |
| 92 | Inelastic Compression Legging Produces Gradient Compression and Significantly Higher Skin Surface Pressures Compared with an Elastic Compression Stocking. <i>Vascular</i> , 2008, 16, 25-30. | 0.9 | 5 |
| 93 | Asymmetric Loads and Pain Associated With Backpack Carrying by Children. <i>Journal of Pediatric Orthopaedics</i> , 2008, 28, 512-517. | 1.2 | 40 |
| 94 | Intramuscular Pressures in Antigravity Muscles Using Gravity-Independent, Pneumatic Hardware. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 749-753. | 0.5 | 2 |
| 95 | Pathophysiology of Low Back Pain during Exposure to Microgravity. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 365-373. | 0.5 | 64 |
| 96 | Backpack straps decrease upper extremity blood flow. <i>FASEB Journal</i> , 2008, 22, 957-28. | 0.5 | 0 |
| 97 | Hypergravity exercise training on a human-powered centrifuge. <i>FASEB Journal</i> , 2008, 22, 752-7. | 0.5 | 0 |
| 98 | Cardiac atrophy in women following bed rest. <i>Journal of Applied Physiology</i> , 2007, 103, 8-16. | 2.5 | 148 |
| 99 | Supine LBNP Exercise Maintains Exercise Capacity in Male Twins during 30-d Bed Rest. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, 1315-1326. | 0.4 | 44 |
| 100 | Lower body negative pressure treadmill exercise as a countermeasure for bed rest-induced bone loss in female identical twins. <i>Bone</i> , 2007, 40, 529-537. | 2.9 | 75 |
| 101 | Lower body negative pressure exercise plus brief postexercise lower body negative pressure improve post-bed rest orthostatic tolerance. <i>Journal of Applied Physiology</i> , 2007, 103, 1964-1972. | 2.5 | 51 |
| 102 | LBNP treadmill exercise maintains spine function and muscle strength in identical twins during 28-day simulated microgravity. <i>Journal of Applied Physiology</i> , 2007, 102, 2274-2278. | 2.5 | 38 |
| 103 | Genetic Heritability of Urinary Stone Risk in Identical Twins. <i>Journal of Urology</i> , 2006, 175, 2125-2128. | 0.4 | 27 |
| 104 | Renal Stone Risk in a Simulated Microgravity Environment: Impact of Treadmill Exercise With Lower Body Negative Pressure. <i>Journal of Urology</i> , 2006, 176, 127-131. | 0.4 | 28 |
| 105 | Paraspinal Muscle Vasculature Contributes to Posterolateral Spinal Fusion. <i>Spine</i> , 2006, 31, 891-896. | 2.0 | 10 |
| 106 | Noninvasive Measurements of Intramuscular Pressure Using Pulsed Phase-locked Loop Ultrasound for Detecting Compartment Syndromes. <i>Journal of Orthopaedic Trauma</i> , 2006, 20, 458-463. | 1.4 | 45 |
| 107 | Ambulation in simulated fractional gravity using lower body positive pressure: cardiovascular safety and gait analyses. <i>Journal of Applied Physiology</i> , 2006, 101, 771-777. | 2.5 | 84 |
| 108 | Tibialis anterior muscle oxygenation during lower body pressure. <i>FASEB Journal</i> , 2006, 20, A805. | 0.5 | 0 |

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|-----|--|-----|-----------|
| 109 | Mild external compression of the leg increases muscle blood flow and oxygenation. FASEB Journal, 2006, 20, . | 0.5 | 0 |
| 110 | Lower Body Positive-pressure Exercise after Knee Surgery. Clinical Orthopaedics and Related Research, 2005, 431, 213-219. | 1.5 | 50 |
| 111 | Use of Tissue Ultrafiltration for Treatment of Compartment Syndrome. Journal of Orthopaedic Trauma, 2005, 19, 267-275. | 1.4 | 35 |
| 112 | System for determination of ultrasonic wave speeds and their temperature dependence in liquids and in vitro tissues. Journal of the Acoustical Society of America, 2005, 117, 646-652. | 1.1 | 5 |
| 113 | Space Exercise and Earth Benefits. Current Pharmaceutical Biotechnology, 2005, 6, 305-317. | 1.6 | 21 |
| 114 | Noninvasive assessment of intracranial pressure waveforms by using pulsed phase lock loop technology. Journal of Neurosurgery, 2005, 103, 361-367. | 1.6 | 17 |
| 115 | High Contact Pressure Beneath Backpack Straps of Children Contributes to Pain. JAMA Pediatrics, 2005, 159, 1186. | 3.0 | 19 |
| 116 | Axial loadâ€”dependent cervical spinal alterations during simulated upright posture: a comparison of healthy controls and patients with cervical degenerative disease. Journal of Neurosurgery: Spine, 2005, 2, 137-144. | 1.7 | 22 |
| 117 | Exercise within lower body negative pressure partially counteracts lumbar spine deconditioning associated with 28-day bed rest. Journal of Applied Physiology, 2005, 99, 39-44. | 2.5 | 83 |
| 118 | A simple method for measuring interstitial fluid pressure in cancer tissues. Microvascular Research, 2005, 70, 116-120. | 2.5 | 64 |
| 119 | The ratio of animal protein intake to potassium intake is a predictor of bone resorption in space flight analogues and in ambulatory subjects. American Journal of Clinical Nutrition, 2004, 80, 1058-1065. | 4.7 | 58 |
| 120 | Ultrasonic device for the noninvasive diagnosis of compartment syndrome. Physiological Measurement, 2004, 25, N1-N9. | 2.1 | 36 |
| 121 | Intramuscular pressure and EMG relate during static contractions but dissociate with movement and fatigue. Journal of Applied Physiology, 2004, 96, 1522-1529. | 2.5 | 42 |
| 122 | Ischemic-preconditioning does not prevent neuromuscular dysfunction after ischemiaâ€”reperfusion injury. Journal of Orthopaedic Research, 2004, 22, 918-923. | 2.3 | 25 |
| 123 | Wavelet packet transform for R-R interval variability. Medical Engineering and Physics, 2004, 26, 313-319. | 1.7 | 27 |
| 124 | Human cutaneous vascular responses to whole-body tilting, Gzcentrifugation, and LBNP. Journal of Applied Physiology, 2004, 96, 2153-2160. | 2.5 | 35 |
| 125 | Evaluation of Treadmill Exercise in a Lower Body Negative Pressure Chamber as a Countermeasure for Weightlessness-Induced Bone Loss: A Bed Rest Study With Identical Twins. Journal of Bone and Mineral Research, 2003, 18, 2223-2230. | 2.8 | 85 |
| 126 | Lumbar spine disc heights and curvature: upright posture vs. supine compression harness. Aviation, Space, and Environmental Medicine, 2003, 74, 512-6. | 0.5 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 127 | Cranial diameter pulsations measured by non-invasive ultrasound decrease with tilt. <i>Aviation, Space, and Environmental Medicine</i> , 2003, 74, 882-5. | 0.5 | 14 |
| 128 | Lower-body negative-pressure exercise and bed-rest-mediated orthostatic intolerance. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1446-1453. | 0.4 | 35 |
| 129 | Lumbar Spine Disc Height and Curvature Responses to an Axial Load Generated by a Compression Device Compatible with Magnetic Resonance Imaging. <i>Spine</i> , 2001, 26, 2596-2600. | 2.0 | 111 |
| 130 | Supine lower body negative pressure exercise simulates metabolic and kinetic features of upright exercise. <i>Journal of Applied Physiology</i> , 2000, 89, 649-654. | 2.5 | 42 |
| 131 | Supine lower body negative pressure exercise during bed rest maintains upright exercise capacity. <i>Journal of Applied Physiology</i> , 2000, 89, 218-227. | 2.5 | 107 |
| 132 | Leg intramuscular pressures during locomotion in humans. <i>Journal of Applied Physiology</i> , 1998, 84, 1976-1981. | 2.5 | 64 |
| 133 | Noninvasive Measurement of Pulsatile Intracranial Pressure Using Ultrasound. , 1998, 71, 66-69. | | 26 |
| 134 | Upright exercise or supine lower body negative pressure exercise maintains exercise responses after bed rest. <i>Medicine and Science in Sports and Exercise</i> , 1997, 29, 892-900. | 0.4 | 49 |
| 135 | Near-Infrared Spectroscopy for Monitoring of Tissue Oxygenation of Exercising Skeletal Muscle in a Chronic Compartment Syndrome Model*. <i>Journal of Bone and Joint Surgery - Series A</i> , 1997, 79, 838-43. | 3.0 | 83 |
| 136 | Intramuscular Deoxygenation during Exercise in Patients Who Have Chronic Anterior Compartment Syndrome of the Leg*. <i>Journal of Bone and Joint Surgery - Series A</i> , 1997, 79, 844-9. | 3.0 | 104 |
| 137 | Cardiovascular adaptation to spaceflight. <i>Medicine and Science in Sports and Exercise</i> , 1996, 28, 977-982. | 0.4 | 117 |
| 138 | Acute Cutaneous Microvascular Flow Responses to Whole-Body Tilting in Humans. <i>Microvascular Research</i> , 1993, 46, 351-358. | 2.5 | 12 |
| 139 | A new ?transducer-tipped? fiber optic catheter for measuring intramuscular pressures. <i>Journal of Orthopaedic Research</i> , 1990, 8, 464-468. | 2.3 | 35 |
| 140 | Wide tourniquet cuffs more effective at lower inflation pressures. <i>Acta Orthopaedica</i> , 1988, 59, 447-451. | 1.4 | 135 |
| 141 | Gravitational haemodynamics and oedema prevention in the giraffe. <i>Nature</i> , 1987, 329, 59-60. | 27.8 | 163 |
| 142 | Fluid shifts in vascular and extravascular spaces during and after simulated weightlessness. <i>Medicine and Science in Sports and Exercise</i> , 1983, 15, 421-427. | 0.4 | 31 |
| 143 | Normal transcapillary pressures in human skeletal muscle and subcutaneous tissues. <i>Microvascular Research</i> , 1981, 22, 177-189. | 2.5 | 32 |