

Bryan P Conrad

List of Publications by Year in descending order

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106
papers

2,723
citations

147801

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223800

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109
all docs

109
docs citations

109
times ranked

2472
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Effectiveness of Lumbar Transforaminal Epidural Steroid Injections with Particulate Versus Nonparticulate Corticosteroids for Lumbar Radicular Pain due to Intervertebral Disc Herniation: A Prospective, Randomized, Double-Blind Trial. <i>Pain Medicine</i> , 2014, 15, 548-555.	1.9	158
2	The Pathophysiology of Osteoarthritis: A Mechanical Perspective on the Knee Joint. <i>PM and R</i> , 2012, 4, S3-9.	1.6	107
3	Cervical Collars are Insufficient for Immobilizing an Unstable Cervical Spine Injury. <i>Journal of Emergency Medicine</i> , 2011, 41, 513-519.	0.7	96
4	Rapid changes in gait, musculoskeletal pain, and quality of life after bariatric surgery. <i>Surgery for Obesity and Related Diseases</i> , 2012, 8, 346-354.	1.2	96
5	Investigation of Clinician Agreement in Evaluating Movement Quality During Unilateral Lower Extremity Functional Tasks: A Comparison of 2 Rating Methods. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2007, 37, 122-129.	3.5	95
6	Effect of Tibial Plateau Leveling Osteotomy on Femorotibial Contact Mechanics and Stifle Kinematics. <i>Veterinary Surgery</i> , 2009, 38, 23-32.	1.0	93
7	Athletic footwear, leg stiffness, and running kinematics. <i>Journal of Athletic Training</i> , 2006, 41, 387-92.	1.8	79
8	Effect of Tibial Tuberosity Advancement on Femorotibial Contact Mechanics and Stifle Kinematics. <i>Veterinary Surgery</i> , 2009, 38, 33-39.	1.0	68
9	Falls Associated with Lower-Extremity Nerve Blocks: A Pilot Investigation of Mechanisms. <i>Regional Anesthesia and Pain Medicine</i> , 2007, 32, 67-72.	2.3	67
10	The 6-Plus Person Lift Transfer Technique Compared With Other Methods of Spine Boarding. <i>Journal of Athletic Training</i> , 2008, 43, 6-13.	1.8	62
11	Hyaluronic Acid (HA) Viscosupplementation on Synovial Fluid Inflammation in Knee Osteoarthritis: A Pilot Study. <i>The Open Orthopaedics Journal</i> , 2013, 7, 378-384.	0.2	55
12	Biomechanical Comparison of Contemporary Clavicle Fixation Devices. <i>Journal of Hand Surgery</i> , 2010, 35, 639-644.	1.6	53
13	Biomechanical Evaluation of the Pullout Strength of Cervical Screws. <i>Journal of Spinal Disorders and Techniques</i> , 2005, 18, 506-510.	1.9	49
14	Testosterone Dose Dependently Prevents Bone and Muscle Loss in Rodents after Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2014, 31, 834-845.	3.4	49
15	Volar Versus Dorsal Fixed-Angle Fixation of Dorsally Unstable Extra-Articular Distal Radius Fractures: A Biomechanic Study. <i>Journal of Hand Surgery</i> , 2007, 32, 806-812.	1.6	48
16	Vasovagal Rates in Fluoroscopically Guided Interventional Procedures: A Study of Over 8,000 Injections. <i>Pain Medicine</i> , 2013, 14, 1854-1859.	1.9	47
17	Log-rolling technique producing unacceptable motion during body position changes in patients with traumatic spinal cord injury. <i>Journal of Neurosurgery: Spine</i> , 2007, 6, 540-543.	1.7	44
18	Supraphysiological testosterone enanthate administration prevents bone loss and augments bone strength in gonadectomized male and female rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 295, E1213-E1222.	3.5	43

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19	Are scoop stretchers suitable for use on spine-injured patients?. American Journal of Emergency Medicine, 2010, 28, 751-756.	1.6	42
20	Obesity and long term functional outcomes following elective total hip replacement. Journal of Orthopaedic Surgery and Research, 2012, 7, 16.	2.3	42
21	In vivo three-dimensional knee kinematics during daily activities in dogs. Journal of Orthopaedic Research, 2015, 33, 1603-1610.	2.3	41
22	Motion in the unstable cervical spine: comparison of manual turning and use of the Jackson table in prone positioning. Journal of Neurosurgery: Spine, 2007, 7, 161-164.	1.7	38
23	Cervical Spine Motion in Manual Versus Jackson Table Turning Methods in a Cadaveric Global Instability Model. Journal of Spinal Disorders and Techniques, 2008, 21, 273-280.	1.9	38
24	Associations of self-report measures with gait, range of motion and proprioception in patients with lumbar spinal stenosis. Gait and Posture, 2013, 38, 987-992.	1.4	38
25	Transferring Patients With Thoracolumbar Spinal Instability. Spine, 2008, 33, 1611-1615.	2.0	37
26	17 β -Hydroxyestra-4,9,11-trien-3-one (trenbolone) exhibits tissue selective anabolic activity: effects on muscle, bone, adiposity, hemoglobin, and prostate. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E650-E660.	3.5	37
27	Screw orientation and plate type (variable- vs. fixed-angle) effect strength of fixation for in vitro biomechanical testing of the Synthes CSLP. Spine Journal, 2008, 8, 717-722.	1.3	35
28	Effect of Cranial Cruciate Ligament Deficiency, Tibial Plateau Leveling Osteotomy, and Tibial Tuberosity Advancement on Contact Mechanics and Alignment of the Stifle in Flexion. Veterinary Surgery, 2010, 39, 363-370.	1.0	34
29	Comparison of 4 Airway Devices on Cervical Spine Alignment in a Cadaver Model With Global Ligamentous Instability at C5-C6. Spine, 2012, 37, 476-481.	2.0	34
30	A Comparison of 4 Airway Devices on Cervical Spine Alignment in Cadaver Models of Global Ligamentous Instability at C1-2. Anesthesia and Analgesia, 2013, 117, 126-132.	2.2	33
31	Biomechanical evaluation of pedicle screws versus pedicle and laminar hooks in the thoracic spine. Spine Journal, 2006, 6, 444-449.	1.3	32
32	Eliminating log rolling as a spine trauma order. , 2012, 3, 188.		32
33	Comparison of external fixation versus the trauma pelvic orthotic device on unstable pelvic injuries. Journal of Trauma and Acute Care Surgery, 2012, 72, 1671-1675.	2.1	31
34	Motion Generated in the Unstable Spine during Hospital Bed Transfers. Journal of Trauma, 2004, 57, 609-612.	2.3	30
35	Comparison of Thoracolumbar Motion Produced by Manual and Jackson-Table-Turning Methods. Journal of Bone and Joint Surgery - Series A, 2008, 90, 1698-1704.	3.0	30
36	Removing a Patient From the Spine Board: Is the Lift and Slide Safer Than the Log Roll?. Journal of Trauma, 2011, 70, 1282-1285.	2.3	28

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37	The effect of sterilization on mechanical properties of soft tissue allografts. <i>Cell and Tissue Banking</i> , 2013, 14, 359-366.	1.1	28
38	Back Strength Predicts Walking Improvement in Obese, Older Adults With Chronic Low Back Pain. <i>PM and R</i> , 2014, 6, 418-426.	1.6	27
39	Load Sharing in Premier and Zephir Anterior Cervical Plates. <i>Spine</i> , 2003, 28, 2648-2650.	2.0	26
40	Contact Mechanics and Three-dimensional Alignment of Normal Dog Elbows. <i>Veterinary Surgery</i> , 2012, 41, 818-828.	1.0	26
41	Assessment of the craniocaudal stability of four extracapsular stabilization techniques during two cyclic loading protocols: A cadaver study. <i>Veterinary Surgery</i> , 2013, 42, 853-859.	1.0	26
42	Comparison of circumferential pelvic sheeting versus the T-POD on unstable pelvic injuries: A cadaveric study of stability. <i>Injury</i> , 2013, 44, 1756-1759.	1.7	25
43	Distal Oblique Bundle Reconstruction and Distal Radioulnar Joint Instability. <i>Journal of Wrist Surgery</i> , 2013, 02, 330-336.	0.7	24
44	Comparison of the Flat Torso Versus the Elevated Torso Shoulder Pad Removal Techniques in a Cadaveric Cervical Spine Instability Model. <i>Spine</i> , 2009, 34, 687-691.	2.0	23
45	Cervical Spine Motion Generated With Manual Versus Jackson Table Turning Methods in a Cadaveric C1-C2 Global Instability Model. <i>Spine</i> , 2009, 34, 2912-2918.	2.0	21
46	Screw Pull-out Force is Dependent on Screw Orientation in an Anterior Cervical Plate Construct. <i>Journal of Spinal Disorders and Techniques</i> , 2007, 20, 369-373.	1.9	20
47	Comparing Cervical Spine Motion With Different Halo Devices in a Cadaveric Cervical Instability Model. <i>Spine</i> , 2009, 34, 149-155.	2.0	20
48	Motion Generated in the Unstable Lumbar Spine During Hospital bed Transfers. <i>Journal of Spinal Disorders and Techniques</i> , 2009, 22, 45-48.	1.9	20
49	17 β -Hydroxyestra-4,9,11-trien-3-one (Trenbolone) preserves bone mineral density in skeletally mature orchietomized rats without prostate enlargement. <i>Bone</i> , 2012, 51, 667-673.	2.9	20
50	Does Application Position of the T-POD Affect Stability of Pelvic Fractures?. <i>Journal of Orthopaedic Trauma</i> , 2013, 27, 262-266.	1.4	20
51	Biomechanical Analysis of Cervical and Thoracolumbar Spine Motion in Intact and Partially and Completely Unstable Cadaver Spine Models With Kinetic Bed Therapy or Traditional Log Roll. <i>Journal of Trauma</i> , 2007, 62, 383-388.	2.3	19
52	Motion generated in the unstable cervical spine during the application and removal of cervical immobilization collars. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 72, 1609-1613.	2.1	18
53	Motion Produced in the Unstable Cervical Spine by the HAINES and Lateral Recovery Positions. <i>Prehospital Emergency Care</i> , 2014, 18, 539-543.	1.8	18
54	Effect of investigator observation on gait parameters in individuals with and without chronic low back pain. <i>Gait and Posture</i> , 2017, 53, 35-40.	1.4	18

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55	Motion in the Unstable Cervical Spine During Hospital Bed Transfers. <i>Journal of Trauma</i> , 2010, 69, 432-436.	2.3	17
56	Motion generated in the unstable upper cervical spine during head tilt—chin lift and jaw thrust maneuvers. <i>Spine Journal</i> , 2014, 14, 609-614.	1.3	17
57	Accuracy of noninvasive, single-plane fluoroscopic analysis for measurement of three-dimensional femorotibial joint poses in dogs. <i>American Journal of Veterinary Research</i> , 2014, 75, 477-485.	0.6	16
58	Comparison of cannulated screws with FiberWire or stainless steel wire for patella fracture fixation: A pilot study. <i>Journal of Orthopaedics</i> , 2015, 12, 92-96.	1.3	16
59	Total Motion Generated in the Unstable Cervical Spine During Management of the Typical Trauma Patient. <i>Spine</i> , 2012, 37, 937-942.	2.0	15
60	A closed form solution for falling cylinder viscometers. <i>International Journal of Engineering Science</i> , 2002, 40, 605-620.	5.0	14
61	Motion in the unstable thoracolumbar spine when spine boarding a prone patient. <i>Journal of Spinal Cord Medicine</i> , 2012, 35, 53-57.	1.4	14
62	Functional Pain, Functional Outcomes, and Quality of Life After Hyaluronic Acid Intra-articular Injection for Knee Osteoarthritis. <i>PM and R</i> , 2013, 5, 310-318.	1.6	14
63	Motion in the Unstable Cervical Spine When Transferring a Patient Positioned Prone to a Spine Board. <i>Journal of Athletic Training</i> , 2013, 48, 797-803.	1.8	14
64	Detection of Intravascular Injection During Lumbar Medial Branch Blocks: A Comparison of Aspiration, Live Fluoroscopy, and Digital Subtraction Technology. <i>Pain Medicine</i> , 2016, 17, pnv073.	1.9	14
65	Mechanical properties of isolated loops of nylon leader material, polyethylene cord, and polyethylene tape and mechanical properties of those materials secured to cadaveric canine femurs via lateral femoral fabellae, toggles placed through bone tunnels, or bone anchors. <i>American Journal of Veterinary Research</i> , 2012, 73, 1519-1529.	0.6	13
66	Total motion generated in the unstable thoracolumbar spine during management of the typical trauma patient: a comparison of methods in a cadaver model. <i>Journal of Neurosurgery: Spine</i> , 2012, 16, 504-508.	1.7	13
67	Accuracy of noninvasive, single-plane fluoroscopic analysis for measurement of three-dimensional femorotibial joint poses in dogs treated by tibial plateau leveling osteotomy. <i>American Journal of Veterinary Research</i> , 2014, 75, 486-493.	0.6	13
68	A rehabilitation exercise program induces severe bone mineral deficits in estrogen-deficient rats after extended disuse. <i>Menopause</i> , 2012, 19, 1267-1276.	2.0	12
69	Mechanical Evaluation of Adjunctive Fixation for Prevention of Periprosthetic Femur Fracture With the Zurich Cementless Total Hip Prosthesis. <i>Veterinary Surgery</i> , 2013, 42, 529-534.	1.0	12
70	Loading of the Index Metacarpal After Trapezial and Partial Versus Complete Trapezoid Resection. <i>Journal of Hand Surgery</i> , 2006, 31, 58-62.	1.6	11
71	In vitro comparison of stiffness of plate fixation of radii from large- and small-breed dogs. <i>American Journal of Veterinary Research</i> , 2011, 72, 1112-1117.	0.6	11
72	Ex vivo Contact Mechanics and Three-Dimensional Alignment of Normal Dog Elbows after Proximal Ulnar Rotational Osteotomy. <i>Veterinary Surgery</i> , 2012, 41, 905-914.	1.0	11

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73	Ex Vivo Pathomechanics of the Canine Pond-Nuki Model. PLoS ONE, 2013, 8, e81383.	2.5	11
74	Biomechanical comparison of posterior cervicothoracic instrumentation techniques after one-level laminectomy and facetectomy. Journal of Neurosurgery: Spine, 2010, 13, 622-629.	1.7	10
75	Trainee Involvement in Transforaminal Epidural Steroid Injections Associated With Increased Incidence of Vasovagal Reactions. PM and R, 2014, 6, 914-919.	1.6	9
76	Glenohumeral Joint Pain Referral Patterns: A Descriptive Study. Pain Medicine, 2015, 16, 1603-1609.	1.9	9
77	Shoulder arthroplasty and its effect on strain in the subscapularis muscle. Clinical Biomechanics, 2015, 30, 373-376.	1.2	9
78	Stabilization of 2-Column Thoracolumbar Fractures With Orthoses. Spine, 2013, 38, E270-E275.	2.0	8
79	Biomechanical comparison of two implants for the stabilization of incomplete ossification of the humeral condyle lesions in dogs. Veterinary Surgery, 2014, 43, 58-65.	1.0	8
80	Biomechanical comparison of a 3.5-mm conical coupling plating system and a 3.5-mm locking compression plate applied as plate-rod constructs to an experimentally created fracture gap in femurs of canine cadavers. American Journal of Veterinary Research, 2017, 78, 712-717.	0.6	8
81	Is Sub-occipital Padding Necessary to Maintain Optimal Alignment of the Unstable Spine in the Prehospital Setting? A Preliminary Report. Journal of Emergency Medicine, 2013, 45, 366-371.	0.7	7
82	Does the novel lateral trauma position cause more motion in an unstable cervical spine injury than the logroll maneuver?. American Journal of Emergency Medicine, 2017, 35, 1630-1635.	1.6	7
83	Allograft swelling after preparation during ACL reconstruction: do we need to upsize tunnels?. Cell and Tissue Banking, 2013, 14, 673-677.	1.1	6
84	Motion is reduced in the unstable spine with the use of mechanical devices for bed transfers. Journal of Spinal Cord Medicine, 2013, 36, 58-65.	1.4	6
85	Application of the fulcrum axis to estimate the central scapular axis. Journal of Shoulder and Elbow Surgery, 2014, 23, 1143-1149.	2.6	4
86	Controlled Laboratory Comparison Study of Motion With Football Equipment in a Destabilized Cervical Spine. Orthopaedic Journal of Sports Medicine, 2015, 3, 232596711560185.	1.7	4
87	Metabolic, Cardiopulmonary, and Gait Profiles of Recently Injured and Noninjured Runners. PM and R, 2015, 7, 26-33.	1.6	4
88	Horizontal Slide Creates Less Cervical Motion When Centering an Injured Patient on a Spine Board. Journal of Emergency Medicine, 2016, 50, 728-733.	0.7	4
89	RETENTION OF SCAFFOLD WITH STAPLE FIXATION FOR CARTILAGE REPAIR DURING CYCLIC MOTION OF HUMAN CADAVERIC KNEES. Journal of Musculoskeletal Research, 2008, 11, 151-159.	0.2	3
90	A Biomechanical Comparison Shows No Difference Between Two Knee Braces used for Medial Collateral Ligament Injuries. Arthroscopy, Sports Medicine, and Rehabilitation, 2021, 3, e901-e907.	1.7	3

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91	The Effect of an Open Carpal Tunnel Release on Thumb CMC Biomechanics. <i>Advances in Orthopedics</i> , 2012, 2012, 1-4.	1.0	2
92	Poster 348: A Proposal for a Clinical Model of Care for the Treatment and Secondary Prevention of Running Injuries. <i>PM and R</i> , 2010, 2, S153.	1.6	1
93	Glenoid Fracture Following Arthroscopic Bankart Repair: A Biomechanical Study (SS-06). <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, e31-e32.	2.7	1
94	Biomechanical Qualities of Small Size Hamstring Grafts: How Small is Too Small?. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2013, 29, e145-e146.	2.7	1
95	Effect of Trenbolone enanthate on protein degradation in levator ani/bulbocavernosus (LABC) muscle in orchietomized rats. <i>FASEB Journal</i> , 2013, 27, 939.15.	0.5	1
96	Low Back Strength Gain Contributes to Walking Improvement in Obese Older Adults With Chronic Low Back Pain. <i>PM and R</i> , 2013, 5, S142-S142.	1.6	0
97	Learning from the dead: improving safety while placing unconscious trauma patients in various lateral positions. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2014, 22, .	2.6	0
98	A Comparison of 4 Airway Devices on Cervical Spine Alignment in Cadaver Models of Global Ligamentous Instability at C1-2. <i>Survey of Anesthesiology</i> , 2014, 58, 18.	0.1	0
99	Response to Dr. Candido et al. <i>Pain Medicine</i> , 2014, 15, 1977-1978.	1.9	0
100	Does the Assessment of Core Strength Identify Frontal Plane Knee Angle Deviations?. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S344.	0.4	0
101	Head And Neck Movement With The Motorized Spine Board In Subjects Wearing Football Protective Equipment. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S356.	0.4	0
102	Head And Neck Movement With The Motorized Spine Board In Subjects Wearing Football Protective Equipment. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S356.	0.4	0
103	Technique for Hand Placement During Transfer of the Spine-Injured Athlete. <i>Medicine and Science in Sports and Exercise</i> , 2007, 39, S319.	0.4	0
104	Anabolic effects of testosterone in bone of gonadectomized male and female rats. <i>FASEB Journal</i> , 2008, 22, 1188.5.	0.5	0
105	Testosterone Administration Augments Bone Strength and Mass in Hypogonadal Rats.. <i>Medicine and Science in Sports and Exercise</i> , 2008, 40, S82-S83.	0.4	0
106	Cervical Spinal Trauma in Children and Adults: Perioperative Considerations. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2011, 19, 581-582.	2.5	0