

Brett Crist

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

1,509
citations

361413

20
h-index

361022

35
g-index

101
all docs

101
docs citations

101
times ranked

1619
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Comanagement of Geriatric Patients With Hip Fractures. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2013, 4, 10-15. | 1.4 | 111 |
| 2 | Complications Associated With Negative Pressure Reaming for Harvesting Autologous Bone Graft: A Case Series. <i>Journal of Orthopaedic Trauma</i> , 2010, 24, 46-52. | 1.4 | 89 |
| 3 | pilon Fractures: Advances in Surgical Management. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2011, 19, 612-622. | 2.5 | 76 |
| 4 | Effects of Autogenous Bone Marrow Aspirate Concentrate on Radiographic Integration of Femoral Condylar Osteochondral Allografts. <i>American Journal of Sports Medicine</i> , 2017, 45, 2797-2803. | 4.2 | 70 |
| 5 | Coatings and surface modifications imparting antimicrobial activity to orthopedic implants. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 475-495. | 6.1 | 64 |
| 6 | Pitfalls in the Application of Distal Femur Plates for Fractures. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 695-706. | 1.4 | 60 |
| 7 | A Biomechanical Comparison of Locked Plate Fixation With Percutaneous Insertion Capability Versus the Angled Blade Plate in a Subtrochanteric Fracture Gap Model. <i>Journal of Orthopaedic Trauma</i> , 2009, 23, 622-627. | 1.4 | 58 |
| 8 | Optimal Treatment of Femoral Neck Fractures According to Patient's Physiologic Age: An Evidence-Based Review. <i>Orthopedic Clinics of North America</i> , 2010, 41, 157-166. | 1.2 | 57 |
| 9 | Working length and proximal screw constructs in plate osteosynthesis of distal femur fractures. <i>Injury</i> , 2017, 48, 2597-2601. | 1.7 | 57 |
| 10 | Negative Pressure Wound Therapy With Instillation: Review of Evidence and Recommendations. <i>Wounds</i> , 2015, 27, S2-S19. | 0.5 | 51 |
| 11 | Role of acute negative pressure wound therapy over primarily closed surgical incisions in acetabular fracture ORIF: A prospective randomized trial. <i>Injury</i> , 2017, 48, 1518-1521. | 1.7 | 43 |
| 12 | Improved Radiographic Outcomes With Patient-Specific Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 2100-2103. | 3.1 | 41 |
| 13 | Acute impact of intermittent pneumatic leg compression frequency on limb hemodynamics, vascular function, and skeletal muscle gene expression in humans. <i>Journal of Applied Physiology</i> , 2012, 112, 2099-2109. | 2.5 | 39 |
| 14 | Effect of Tranexamic Acid on Transfusion: A Randomized Clinical Trial in Acetabular Fracture Surgery. <i>Journal of Orthopaedic Trauma</i> , 2017, 31, 526-530. | 1.4 | 36 |
| 15 | Percutaneous treatment of high-risk patients with intra-articular calcaneus fractures: A case series. <i>Injury</i> , 2013, 44, 1483-1485. | 1.7 | 33 |
| 16 | Combined Percutaneous Iliosacral Screw Fixation With Sacroplasty Using Resorbable Calcium Phosphate Cement for Osteoporotic Pelvic Fractures Requiring Surgery. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, e217-e222. | 1.4 | 32 |
| 17 | Large fresh osteochondral allografts for the hip: growing the evidence. <i>HIP International</i> , 2018, 28, 284-290. | 1.7 | 31 |
| 18 | The Use of Fluoroscopy During Direct Anterior Hip Arthroplasty: Powerful or Misleading?. <i>Journal of Arthroplasty</i> , 2018, 33, 1775-1779. | 3.1 | 28 |

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|----|--|-----|-----------|
| 19 | Nickel allergy to orthopaedic implants: A review and case series. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2020, 11, S596-S603. | 1.5 | 25 |
| 20 | Osteoporosis: a discussion on the past 5 years. <i>Current Reviews in Musculoskeletal Medicine</i> , 2017, 10, 265-274. | 3.5 | 24 |
| 21 | Hip Fracture Protocols. <i>Orthopedic Clinics of North America</i> , 2013, 44, 163-182. | 1.2 | 20 |
| 22 | The Safety of Forefoot Metatarsal Pins in External Fixation of the Lower Extremity. <i>Journal of Bone and Joint Surgery - Series A</i> , 2008, 90, 560-564. | 3.0 | 19 |
| 23 | Surgical Timing of Treating Injured Extremities. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 1514-1524. | 3.0 | 19 |
| 24 | Do 25-Hydroxyvitamin D Levels Correlate With Fracture Complications?. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, e312-e317. | 1.4 | 18 |
| 25 | An international survey of pelvic trauma surgeons on the management of pelvic ring injuries. <i>Injury</i> , 2021, 52, 2685-2692. | 1.7 | 18 |
| 26 | Age-Related Variances in Patients with Tibial Plateau Fractures. <i>Journal of Knee Surgery</i> , 2020, 33, 611-615. | 1.6 | 17 |
| 27 | Improving Patient Satisfaction Through Computer-Based Questionnaires. <i>Orthopedics</i> , 2016, 39, e31-5. | 1.1 | 17 |
| 28 | Medial Clavicular Epiphyseal Fracture With Ipsilateral Acromioclavicular Dislocation: A Case Report of Panclavicular Fracture Dislocation. <i>Journal of Orthopaedic Trauma</i> , 2007, 21, 418-421. | 1.4 | 16 |
| 29 | Total Knee Arthroplasty versus Osteochondral Allograft: Prevalence and Risk Factors following Tibial Plateau Fractures. <i>Journal of Knee Surgery</i> , 2019, 32, 380-386. | 1.6 | 15 |
| 30 | Parathyroid Hormone: Is There a Role in Fracture Healing?. <i>Journal of Orthopaedic Trauma</i> , 2010, 24, S31-S35. | 1.4 | 14 |
| 31 | Computer-Aided Engineering Approach for Parametric Investigation of Locked Plating Systems Design. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2013, 7, . | 0.7 | 14 |
| 32 | Effectiveness of Vitamin D Therapy in Orthopaedic Trauma Patients. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e451-e453. | 1.4 | 14 |
| 33 | Orthopedic Trauma and Aging. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2015, 6, 33-36. | 1.4 | 14 |
| 34 | Reaming Does Not Add Significant Time to Intramedullary Nailing of Diaphyseal Fractures of the Tibia and Femur. <i>Journal of Trauma</i> , 2009, 67, 727-734. | 2.3 | 12 |
| 35 | Pilon Fracture Complicated by Compartment Syndrome: A Case Report. <i>Journal of Orthopaedic Trauma</i> , 2010, 24, e54-e57. | 1.4 | 12 |
| 36 | The Biomechanics of Varied Proximal Locking Screw Configurations in a Synthetic Model of Proximal Third Tibial Fracture Fixation. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 175-179. | 1.4 | 12 |

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|----|--|-----|-----------|
| 37 | Geriatric Patients With Fractures Below the Hip are Medically Similar to Geriatric Patients With Hip Fracture. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2015, 6, 28-32. | 1.4 | 12 |
| 38 | Comparison of Bulb Syringe, Pressurized Pulsatile, and Hydrosurgery Debridement Methods for Removing Bacteria From Fracture Implants. <i>Orthopedics</i> , 2012, 35, e1046-50. | 1.1 | 12 |
| 39 | Osteoid Osteoma of the Lumbar Spine. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 414-415. | 3.0 | 11 |
| 40 | Removal technique for cold-welded titanium locking screws. <i>Injury</i> , 2011, 42, 1377-1379. | 1.7 | 11 |
| 41 | Analysis of relevant proteins from bone graft harvested using the reamer irrigator and aspirator system (RIA) versus iliac crest (IC) bone graft and RIA waste water. <i>Injury</i> , 2016, 47, 1661-1668. | 1.7 | 11 |
| 42 | Diabetic Pilon Fractures: Are They as Bad as We Think?. <i>Journal of Orthopaedic Trauma</i> , 2021, 35, 149-153. | 1.4 | 11 |
| 43 | A New Technique for Removing Intramedullary Cement. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 762-766. | 1.4 | 10 |
| 44 | Compartment Syndrome Surgical Management Techniques Associated with Tibial Plateau Fractures. <i>Journal of Knee Surgery</i> , 2010, 23, 003-007. | 1.6 | 9 |
| 45 | Optimising femoral-head osteochondral allograft transplantation in a preclinical model. <i>Journal of Orthopaedic Translation</i> , 2016, 5, 48-56. | 3.9 | 9 |
| 46 | Safety and Complications Associated With MRI-Conditional External Fixators in Patients With Tibial Plateau Fractures: A Case Series. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, 521-525. | 1.4 | 9 |
| 47 | Impact of chronic intermittent external compressions on forearm blood flow capacity in humans. <i>European Journal of Applied Physiology</i> , 2011, 111, 509-519. | 2.5 | 8 |
| 48 | Arthroscopic Management of C3 Tibial Plafond Fractures: A Technical Guide. <i>Journal of Foot and Ankle Surgery</i> , 2012, 51, 382-386. | 1.0 | 7 |
| 49 | Total Hip Replacement with Use of a Direct Anterior Approach. <i>JBJS Reviews</i> , 2014, 2, . | 2.0 | 7 |
| 50 | Pressure reducing skin pie-crusting in extremity trauma: An in-vitro biomechanical study and human case series. <i>Injury</i> , 2020, 51, 1266-1270. | 1.7 | 7 |
| 51 | Novel Technique: Knee Arthrodesis Using Trabecular Metal Cones with Intramedullary Nailing and Intramedullary Autograft. <i>Journal of Knee Surgery</i> , 2016, 29, 510-515. | 1.6 | 6 |
| 52 | Assessment of Reamer Irrigator Aspirator System (RIA) filtrate for its osteoinductive potential in a validated animal model. <i>Injury</i> , 2018, 49, 1046-1051. | 1.7 | 6 |
| 53 | The Effectiveness of Osteoporosis Screening and Treatment in the Midwest. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2018, 9, 215145931876584. | 1.4 | 5 |
| 54 | Variability of human femoral geometry and its implications on nail design. <i>Injury</i> , 2021, 52, 109-116. | 1.7 | 5 |

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|----|--|-----|-----------|
| 55 | A prospective randomized double-blind clinical trial to assess the effects of leukocyte-reduced platelet-rich plasma on pro-inflammatory, degradative, and anabolic biomarkers after closed pilon fractures. <i>Journal of Orthopaedic Research</i> , 2022, 40, 925-932. | 2.3 | 5 |
| 56 | Surgical timing of treating injured extremities: an evolving concept of urgency. <i>Instructional Course Lectures</i> , 2013, 62, 17-28. | 0.2 | 5 |
| 57 | Prevalence of Low Vitamin D Levels in Patients With Orthopedic Trauma. <i>American Journal of Orthopedics</i> , 2016, 45, E522-E526. | 0.7 | 5 |
| 58 | Predicting Reduction in Torsional Strength by Concentric/Eccentric RIA Reaming Normal and Osteoporotic Long Bones (Femurs). <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e371-e379. | 1.4 | 4 |
| 59 | Putting the Brakes on Breaks: Osteoporosis Screening and Fracture Prevention. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2017, 8, 238-243. | 1.4 | 4 |
| 60 | Evaluating the Duration of Prophylactic Post-Operative Antibiotic Agents after Open Reduction Internal Fixation for Closed Fractures. <i>Surgical Infections</i> , 2018, 19, 535-540. | 1.4 | 4 |
| 61 | Biomechanical evaluation of location and mode of failure in three screw fixations for a comminuted transforaminal sacral fracture model. <i>Journal of Orthopaedic Translation</i> , 2019, 16, 102-111. | 3.9 | 4 |
| 62 | Does surgical approach affect sagittal plane alignment and pilon fracture outcomes?. <i>Injury</i> , 2020, 51, 750-758. | 1.7 | 4 |
| 63 | Femoral Neck Fractures in Young Patients. <i>Instructional Course Lectures</i> , 2018, 67, 37-49. | 0.2 | 4 |
| 64 | Simulation-Based Design of Orthopedic Trauma Implants. , 2010, , . | | 3 |
| 65 | What Is Important Besides Getting the Bone to Heal? Impact on Tissue Injury Other Than the Fracture. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, S21-S24. | 1.4 | 3 |
| 66 | Hip Fractures in Patients With Advanced Dementia. <i>JAMA Internal Medicine</i> , 2018, 178, 780. | 5.1 | 3 |
| 67 | Use of the Dedicated Orthopaedic Trauma Room for Open Tibia and Femur Fractures: Does It Make a Difference?. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, 377-380. | 1.4 | 3 |
| 68 | Pilon fractures. <i>Current Orthopaedic Practice</i> , 2008, 19, 242-248. | 0.2 | 2 |
| 69 | Letter to the Editor: Bone Graft Harvest Using a New Intramedullary System. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 2749-2749. | 1.5 | 2 |
| 70 | Combined orthogeriatric and fracture liaison service for improved postfracture patient care. <i>Osteoporosis and Sarcopenia</i> , 2017, 3, 159. | 1.9 | 2 |
| 71 | Lateral decubitus positioning in the morbidly obese orthopaedic patient: a technique guide and literature review. <i>Current Orthopaedic Practice</i> , 2019, 30, 83-87. | 0.2 | 2 |
| 72 | Bone healing: Advances in biology and technology. <i>OTA International the Open Access Journal of Orthopaedic Trauma</i> , 2021, 4, e100. | 1.0 | 2 |

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|----|---|-----|-----------|
| 73 | Management of Wounds With Orthopedic Fixation Hardware Using Negative-Pressure Wound Therapy With Instillation and Dwell. <i>Plastic and Reconstructive Surgery</i> , 2021, 147, 54S-60S. | 1.4 | 2 |
| 74 | Which surgical approach provides maximum visualization and access for open reduction and internal fixation (ORIF) of femoral neck fractures?. <i>Injury</i> , 2022, 53, 1131-1136. | 1.7 | 2 |
| 75 | Using flexible nails to improve stabilization of proximal femur fractures in adolescents. <i>American Journal of Orthopedics</i> , 2006, 35, 37-41. | 0.7 | 2 |
| 76 | An Integrated Computer-Aided Engineering Approach for Parametric Investigation of Locked Plating Systems Design. , 2010, , . | | 1 |
| 77 | Anterolateral approach to the distal tibia for fixation of pilon fractures. <i>Current Orthopaedic Practice</i> , 2012, 23, 111-115. | 0.2 | 1 |
| 78 | Negative pressure wound therapy in orthopaedic patients and the financial impact of delay in discharge for unfunded and Medicaid patients. <i>Current Orthopaedic Practice</i> , 2016, 27, 184-186. | 0.2 | 1 |
| 79 | Not as Straight(forward) as an Arrow: Ultrasound Use to Detect a Carbon-Fiber Foreign Body. <i>JBJS Case Connector</i> , 2016, 6, e29. | 0.3 | 1 |
| 80 | Reliability of a Condensed Computer-Based Patient Outcomes Scoring Tool in Orthopaedic Trauma Patients. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, e226-e228. | 1.4 | 1 |
| 81 | Hip Arthroplasty in Femoral Neck Fractures. , 2018, , 165-181. | | 1 |
| 82 | Clinical and functional outcomes of patients undergoing anterolateral versus anteromedial surgical approaches for pilon fractures. <i>Current Orthopaedic Practice</i> , 2019, 30, 55-60. | 0.2 | 1 |
| 83 | Is Tissue Engineering Helping Orthopaedic Care in Trauma?. <i>Journal of Orthopaedic Trauma</i> , 2019, 33, S12-S19. | 1.4 | 1 |
| 84 | Comparisons of initial outcomes and cost-effectiveness after total ankle arthroplasty versus bipolar osteochondral allograft transplantation in the ankle: a retrospective cohort study. <i>Current Orthopaedic Practice</i> , 2021, 32, 232-236. | 0.2 | 1 |
| 85 | Which Surgical Approach Provides Maximum Visualization and Access for Open Reduction and Internal Fixation of Femoral Head Fractures?. <i>Journal of Orthopaedic Trauma</i> , 2022, 36, S12-S16. | 1.4 | 1 |
| 86 | A novel technique for the removal of a broken solid tibial nail. <i>Current Orthopaedic Practice</i> , 2008, 19, 570-574. | 0.2 | 0 |
| 87 | Use of a quick connect drill adapter as an intraoperative file. <i>Current Orthopaedic Practice</i> , 2008, 19, 691-692. | 0.2 | 0 |
| 88 | Acute Effects Of Intermittent Pneumatic Compressions On Skeletal Muscle Gene Expression In Humans. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 466. | 0.4 | 0 |
| 89 | Biomechanicsâ€™ Hot Topics Part II. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, S29-S32. | 1.4 | 0 |
| 90 | Bacterial DNA screening to characterize surgical site infection risk in orthopaedic patients. <i>Journal of Orthopaedics</i> , 2021, 27, 56-62. | 1.3 | 0 |

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|----|---|-----|-----------|
| 91 | Reamer-irrigator-aspirate versus bone marrow aspirate concentrate for osteoprogenitor cell retention and osteoinductive protein release on cancellous bone. <i>Journal of Orthopaedics</i> , 2021, 27, 13-16. | 1.3 | 0 |
| 92 | Complete Tooth Extraction: A Case Report. <i>Journal of Orthopaedic Trauma</i> , 2002, 16, 523-524. | 1.4 | 0 |
| 93 | Open Dislocation of the Knee with Draining Urine. <i>JBJS Case Connector</i> , 2013, 3, e15. | 0.3 | 0 |
| 94 | Use in Arthrodesis. , 2020, , 283-297. | | 0 |
| 95 | CORR Insights®: What Is Important to Patients Who Are Recovering From an Open Tibial Fracture? A Qualitative Study. <i>Clinical Orthopaedics and Related Research</i> , 2021, Publish Ahead of Print, . | 1.5 | 0 |
| 96 | Consider Emergency Department Stress Examinations on Lateral Compression Type-1 Pelvic Ring Injuries with Complete Sacral Fractures. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, e13. | 3.0 | 0 |