

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	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
2	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
3	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
4	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
5	An international survey of pelvic trauma surgeons on the management of pelvic ring injuries. <i>Injury</i> , 2021, 52, 2685-2692.	1.7	18
6	Variability of human femoral geometry and its implications on nail design. <i>Injury</i> , 2021, 52, 109-116.	1.7	5
7	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
8	Diabetic Pilon Fractures: Are They as Bad as We Think?. <i>Journal of Orthopaedic Trauma</i> , 2021, 35, 149-153.	1.4	11
9	Bone healing: Advances in biology and technology. <i>OTA International the Open Access Journal of Orthopaedic Trauma</i> , 2021, 4, e100.	1.0	2
10	Bacterial DNA screening to characterize surgical site infection risk in orthopaedic patients. <i>Journal of Orthopaedics</i> , 2021, 27, 56-62.	1.3	0
11	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
12	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
13	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
14	Age-Related Variances in Patients with Tibial Plateau Fractures. <i>Journal of Knee Surgery</i> , 2020, 33, 611-615.	1.6	17
15	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
16	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
17	Does surgical approach affect sagittal plane alignment and pilon fracture outcomes?. <i>Injury</i> , 2020, 51, 750-758.	1.7	4
18	Use in Arthrodesis. , 2020, , 283-297.		0

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19	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
20	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
21	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
22	Is Tissue Engineering Helping Orthopaedic Care in Trauma?. <i>Journal of Orthopaedic Trauma</i> , 2019, 33, S12-S19.	1.4	1
23	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
24	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
25	The Effectiveness of Osteoporosis Screening and Treatment in the Midwest. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2018, 9, 215145931876584.	1.4	5
26	The Use of Fluoroscopy During Direct Anterior Hip Arthroplasty: Powerful or Misleading?. <i>Journal of Arthroplasty</i> , 2018, 33, 1775-1779.	3.1	28
27	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
28	Biomechanicsâ€™ Hot Topics Part II. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, S29-S32.	1.4	0
29	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
30	Hip Arthroplasty in Femoral Neck Fractures. , 2018, , 165-181.		1
31	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
32	Large fresh osteochondral allografts for the hip: growing the evidence. <i>HIP International</i> , 2018, 28, 284-290.	1.7	31
33	Hip Fractures in Patients With Advanced Dementia. <i>JAMA Internal Medicine</i> , 2018, 178, 780.	5.1	3
34	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
35	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
36	Femoral Neck Fractures in Young Patients. <i>Instructional Course Lectures</i> , 2018, 67, 37-49.	0.2	4

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37	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
38	Osteoporosis: a discussion on the past 5 years. <i>Current Reviews in Musculoskeletal Medicine</i> , 2017, 10, 265-274.	3.5	24
39	Combined orthogeriatric and fracture liaison service for improved postfracture patient care. <i>Osteoporosis and Sarcopenia</i> , 2017, 3, 159.	1.9	2
40	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
41	Working length and proximal screw constructs in plate osteosynthesis of distal femur fractures. <i>Injury</i> , 2017, 48, 2597-2601.	1.7	57
42	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
43	Putting the Brakes on Breaks: Osteoporosis Screening and Fracture Prevention. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2017, 8, 238-243.	1.4	4
44	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
45	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
46	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
47	Do 25-Hydroxyvitamin D Levels Correlate With Fracture Complications?. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, e312-e317.	1.4	18
48	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
49	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
50	Optimising femoral-head osteochondral allograft transplantation in a preclinical model. <i>Journal of Orthopaedic Translation</i> , 2016, 5, 48-56.	3.9	9
51	Improving Patient Satisfaction Through Computer-Based Questionnaires. <i>Orthopedics</i> , 2016, 39, e31-5.	1.1	17
52	Prevalence of Low Vitamin D Levels in Patients With Orthopedic Trauma. <i>American Journal of Orthopedics</i> , 2016, 45, E522-E526.	0.7	5
53	Effectiveness of Vitamin D Therapy in Orthopaedic Trauma Patients. <i>Journal of Orthopaedic Trauma</i> , 2015, 29, e451-e453.	1.4	14
54	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

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55	Orthopedic Trauma and Aging. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2015, 6, 33-36.	1.4	14
56	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
57	Negative Pressure Wound Therapy With Instillation: Review of Evidence and Recommendations. <i>Wounds</i> , 2015, 27, S2-S19.	0.5	51
58	Total Hip Replacement with Use of a Direct Anterior Approach. <i>JBJS Reviews</i> , 2014, 2, .	2.0	7
59	Improved Radiographic Outcomes With Patient-Specific Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2014, 29, 2100-2103.	3.1	41
60	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
61	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
62	Hip Fracture Protocols. <i>Orthopedic Clinics of North America</i> , 2013, 44, 163-182.	1.2	20
63	Percutaneous treatment of high-risk patients with intra-articular calcaneus fractures: A case series. <i>Injury</i> , 2013, 44, 1483-1485.	1.7	33
64	Comanagement of Geriatric Patients With Hip Fractures. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2013, 4, 10-15.	1.4	111
65	Open Dislocation of the Knee with Draining Urine. <i>JBJS Case Connector</i> , 2013, 3, e15.	0.3	0
66	Surgical timing of treating injured extremities: an evolving concept of urgency. <i>Instructional Course Lectures</i> , 2013, 62, 17-28.	0.2	5
67	Anterolateral approach to the distal tibia for fixation of pilon fractures. <i>Current Orthopaedic Practice</i> , 2012, 23, 111-115.	0.2	1
68	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
69	Surgical Timing of Treating Injured Extremities. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 1514-1524.	3.0	19
70	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
71	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
72	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

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73	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
74	A New Technique for Removing Intramedullary Cement. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 762-766.	1.4	10
75	Pitfalls in the Application of Distal Femur Plates for Fractures. <i>Journal of Orthopaedic Trauma</i> , 2011, 25, 695-706.	1.4	60
76	Removal technique for cold-welded titanium locking screws. <i>Injury</i> , 2011, 42, 1377-1379.	1.7	11
77	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
78	pilon Fractures: Advances in Surgical Management. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2011, 19, 612-622.	2.5	76
79	Pilon Fracture Complicated by Compartment Syndrome: A Case Report. <i>Journal of Orthopaedic Trauma</i> , 2010, 24, e54-e57.	1.4	12
80	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
81	An Integrated Computer-Aided Engineering Approach for Parametric Investigation of Locked Plating Systems Design. , 2010, , .		1
82	Parathyroid Hormone: Is There a Role in Fracture Healing?. <i>Journal of Orthopaedic Trauma</i> , 2010, 24, S31-S35.	1.4	14
83	Simulation-Based Design of Orthopedic Trauma Implants. , 2010, , .		3
84	Compartment Syndrome Surgical Management Techniques Associated with Tibial Plateau Fractures. <i>Journal of Knee Surgery</i> , 2010, 23, 003-007.	1.6	9
85	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
86	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
87	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
88	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
89	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
90	A novel technique for the removal of a broken solid tibial nail. <i>Current Orthopaedic Practice</i> , 2008, 19, 570-574.	0.2	0

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91	Use of a quick connect drill adapter as an intraoperative file. <i>Current Orthopaedic Practice</i> , 2008, 19, 691-692.	0.2	0
92	Pilon fractures. <i>Current Orthopaedic Practice</i> , 2008, 19, 242-248.	0.2	2
93	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
94	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
95	Osteoid Osteoma of the Lumbar Spine. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 414-415.	3.0	11
96	Complete Tooth Extraction: A Case Report. <i>Journal of Orthopaedic Trauma</i> , 2002, 16, 523-524.	1.4	0