

Thomas A Schildhauer

List of Publications by Year in descending order

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85
papers

2,420
citations

304602

22
h-index

214721

47
g-index

96
all docs

96
docs citations

96
times ranked

2045
citing authors

#	ARTICLE	IF	CITATIONS
1	Decompression and Lumbopelvic Fixation for Sacral Fracture-Dislocations With Spino-pelvic Dissociation. <i>Journal of Orthopaedic Trauma</i> , 2006, 20, 447-457.	0.7	241
2	Triangular Osteosynthesis and Iliosacral Screw Fixation for Unstable Sacral Fractures: A Cadaveric and Biomechanical Evaluation Under Cyclic Loads. <i>Journal of Orthopaedic Trauma</i> , 2003, 17, 22-31.	0.7	233
3	Use of Bone Morphogenetic Protein-2 in the Rabbit Ulnar Nonunion Model. <i>Clinical Orthopaedics and Related Research</i> , 1996, 327, 272-282.	0.7	196
4	Complications Associated With Surgical Stabilization of High-Grade Sacral Fracture Dislocations With Spino-Pelvic Instability. <i>Spine</i> , 2006, 31, S80-S88.	1.0	181
5	Anatomic and Radiographic Considerations for Placement of Transiliac Screws in Lumbopelvic Fixations. <i>Journal of Spinal Disorders and Techniques</i> , 2002, 15, 199-205.	1.8	126
6	Circumferential Pelvic Antishock Sheeting: A Temporary Resuscitation Aid. <i>Journal of Orthopaedic Trauma</i> , 2002, 16, 45-48.	0.7	117
7	Structure-related antibacterial activity of a titanium nanostructured surface fabricated by glancing angle sputter deposition. <i>Nanotechnology</i> , 2014, 25, 195101.	1.3	115
8	Extensor Mechanism-sparing Paratrigipital Posterior Approach to the Distal Humerus. <i>Journal of Orthopaedic Trauma</i> , 2003, 17, 374-378.	0.7	114
9	HALÂ® exoskeleton training improves walking parameters and normalizes cortical excitability in primary somatosensory cortex in spinal cord injury patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 68.	2.4	94
10	Effect of silver nanoparticles on human mesenchymal stem cell differentiation. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 2058-2069.	1.5	77
11	Temporary Bridge Plating of the Medial Column in Severe Midfoot Injuries. <i>Journal of Orthopaedic Trauma</i> , 2003, 17, 513-520.	0.7	72
12	The Effectiveness and Safety of Exoskeletons as Assistive and Rehabilitation Devices in the Treatment of Neurologic Gait Disorders in Patients with Spinal Cord Injury: A Systematic Review. <i>Global Spine Journal</i> , 2016, 6, 822-841.	1.2	67
13	Diagnosis and Management of Sacral Spine Fractures. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 166-175.	1.4	59
14	Metastatic Malignancy of the Cervical Spine. <i>Spine</i> , 1992, 17, S407-S412.	1.0	47
15	Functional Outcome of Neurologic-Controlled HAL-Exoskeletal Neurorehabilitation in Chronic Spinal Cord Injury: A Pilot With One Year Treatment and Variable Treatment Frequency. <i>Global Spine Journal</i> , 2017, 7, 735-743.	1.2	30
16	Multisegmental Open Sacral Fracture Due to Impalement. <i>Journal of Orthopaedic Trauma</i> , 2005, 19, 134-139.	0.7	29
17	Adherence of human mesenchymal stem cells on Ti and TiO ₂ nano-columnar surfaces fabricated by glancing angle sputter deposition. <i>Applied Surface Science</i> , 2014, 292, 626-631.	3.1	29
18	Muscle localization of heterotopic ossification following spinal cord injury. <i>Spine Journal</i> , 2017, 17, 1519-1522.	0.6	26

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19	Comparison of Chronic Dysphagia in Standalone versus Conventional Plate and Cage Fusion. <i>World Neurosurgery</i> , 2018, 109, e382-e388.	0.7	26
20	Push Screw for Indirect Reduction of Severe Joint Depression-Type Calcaneal Fractures. <i>Journal of Orthopaedic Trauma</i> , 2002, 16, 422-424.	0.7	25
21	Antibacterial activity of microstructured sacrificial anode thin films by combination of silver with platinum group elements (platinum, palladium, iridium). <i>Materials Science and Engineering C</i> , 2017, 74, 536-541.	3.8	24
22	Results of 70 consecutive ulnar nightstick fractures. <i>Injury</i> , 2015, 46, 1359-1366.	0.7	22
23	Pediatric pelvic ring injuries: How benign are they?. <i>Injury</i> , 2016, 47, 2228-2234.	0.7	22
24	Antibacterial Efficacy of Sacrificial Anode Thin Films Combining Silver with Platinum Group Elements within a Bacteria-Containing Human Plasma Clot. <i>Advanced Engineering Materials</i> , 2018, 20, 1700493.	1.6	22
25	Incidence, Time Course and Influence on Quality of Life of Intensive Care Unit-Acquired Weakness Symptoms in Long-Term Intensive Care Survivors. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 1313-1322.	1.3	21
26	The use of double lumen cannula for veno-venous ECMO in trauma patients with ARDS. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2015, 23, 30.	1.1	20
27	Blood Transfusion and Postoperative Infection in Spine Surgery: A Systematic Review. <i>Global Spine Journal</i> , 2018, 8, 198-207.	1.2	20
28	Glancing-Angle Deposition of Nanostructures on an Implant Material Surface. <i>Nanomaterials</i> , 2019, 9, 60.	1.9	20
29	Antibacterial activity of microstructured Ag/Au sacrificial anode thin films. <i>Materials Science and Engineering C</i> , 2015, 46, 276-280.	3.8	19
30	Trends in Spinal Surgery for Pott's Disease (2000-2016): An Overview and Bibliometric Study. <i>Global Spine Journal</i> , 2017, 7, 821-828.	1.2	17
31	Bacterial cell division is involved in the damage of gram-negative bacteria on a nano-pillar titanium surface. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 055002.	0.6	17
32	Results and complications of operative and non-operative navicular fracture treatment. <i>Injury</i> , 2015, 46, 1669-1677.	0.7	12
33	Isolated pediatric radial head and neck fractures. A rare injury. Analysis and follow up of 19 patients. <i>Injury</i> , 2015, 46, S10-S16.	0.7	11
34	Heterotopic ossification mimicking infection in patients with traumatic spinal cord injury. <i>Technology and Health Care</i> , 2016, 24, 87-91.	0.5	11
35	Fractures of the capitellum humeri and their associated injuries. <i>Obere Extremitat</i> , 2018, 13, 33-37.	0.4	11
36	Biomechanical Comparison of Bone Graft Used in Anterior Spinal Reconstruction. <i>Clinical Orthopaedics and Related Research</i> , 1993, &NA;, 131-135.	0.7	11

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37	Acetabular Fractures in Children and Adolescents: Comparison of Isolated Acetabular Fractures and Acetabular Fractures Associated With Pelvic Ring Injuries. <i>Journal of Orthopaedic Trauma</i> , 2018, 32, e39-e45.	0.7	10
38	Three-stage revision arthroplasty for the treatment of fungal periprosthetic joint infection: outcome analysis of a novel treatment algorithm. <i>Bone & Joint Open</i> , 2021, 2, 671-678.	1.1	10
39	Comparison of lumbopelvic fixation and iliosacral screw fixation for the treatment of bilateral sacral fractures. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 604.	0.9	10
40	Is the Midterm Progress of Pediatric and Adolescent Talus Fractures Stratified by Age?. <i>Journal of Foot and Ankle Surgery</i> , 2018, 57, 471-477.	0.5	9
41	Persistent Fistula for Treatment of a Failed Periprosthetic Joint Infection: Relic From the Past or a Viable Salvage Procedure?. <i>Journal of Arthroplasty</i> , 2020, 35, 544-549.	1.5	9
42	The iliac pillar â€œ Definition of an osseous fixation pathway for internal and external fixation. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2020, 106, 869-875.	0.9	9
43	Enhanced dissolution of silver nanoparticles in a physical mixture with platinum nanoparticles based on the sacrificial anode effect. <i>Nanotechnology</i> , 2020, 31, 055703.	1.3	8
44	Tibiocalcaneal arthrodesis using the Ilizarov fixator in compromised hosts: an analysis of 19 patients. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, 142, 1359-1366.	1.3	8
45	Does skeletal maturity affect pediatric pelvic injury patterns, associated injuries and treatment intervention?. <i>Injury</i> , 2018, 49, 1562-1567.	0.7	8
46	Treatment of Sacral Fractures with Neurologic Injuries. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2002, 8, 59-78.	0.8	8
47	Traumatic infra-renal aortic dissection after a high-energy trauma: a case report of a primary missed diagnosis. <i>Orthopedic Reviews</i> , 2014, 6, 5031.	0.3	7
48	Complications after operative treatment of femoral shaft fractures in childhood and adolescence. <i>Orthopedic Reviews</i> , 2017, 9, 7493.	0.3	7
49	Accuracy of radiographic measurement techniques for the Taylor spatial frame mounting parameters. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 284.	0.8	7
50	Iatrogenic Bowel Injury Following Minimally Invasive Lateral Approach to the Lumbar Spine: A Retrospective Analysis of 3 Cases. <i>Global Spine Journal</i> , 2019, 9, 375-382.	1.2	6
51	Microbial findings and the role of difficult-to-treat pathogens in patients with periprosthetic infection admitted to the intensive care unit. <i>Orthopedic Reviews</i> , 2020, 12, 8867.	0.3	6
52	Unstable Pediatric Sacral Fracture With Bone Loss Caused by a High-Energy Gunshot Injury. <i>Journal of Trauma</i> , 2007, 63, E95-E99.	2.3	6
53	Osteogenesis Imperfecta as a Differential Diagnosis of Pathologic Burst Fractures of the Spine. <i>Clinical Orthopaedics and Related Research</i> , 1993, &NA;, 113???117.	0.7	6
54	Fractures and Fracture-Dislocations At the Lumbosacral Junction. <i>Contemporary Spine Surgery</i> , 2006, 7, 1-5.	0.2	5

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55	Necrotizing fasciitis and the midterm outcomes after survival. SAGE Open Medicine, 2019, 7, 205031211984243.	0.7	5
56	Functional outcome of traumatic spinopelvic instabilities treated with lumbopelvic fixation. Scientific Reports, 2020, 10, 14878.	1.6	5
57	Poor outcome of octogenarians admitted to ICU due to periprosthetic joint infections: a retrospective cohort study. BMC Musculoskeletal Disorders, 2020, 21, 304.	0.8	5
58	Facing multidrug-resistant pathogens in periprosthetic joint infections with self-administered outpatient parenteral antimicrobial therapy—A prospective cohort study. Journal of Orthopaedic Research, 2021, 39, 320-332.	1.2	5
59	Rehabilitation during early postoperative period following total knee arthroplasty using single-joint hybrid assistive limb as new therapy device: a randomized, controlled clinical pilot study. Archives of Orthopaedic and Trauma Surgery, 2022, 142, 3941-3947.	1.3	5
60	Iliac Screw Fixation Revisited. Clinical Spine Surgery, 2022, 35, E127-E131.	0.7	4
61	Fixation Strength of Modified Iliac Screw Trajectory Compared to Traditional Iliac and S2 Alar-Iliac Trajectories: A Cadaveric Study. World Neurosurgery, 2021, 154, e481-e487.	0.7	4
62	Fecal diversion does not support healing of anus-near pressure ulcers in patients with spinal cord injury—results of a retrospective cohort study. Spinal Cord, 2022, 60, 477-483.	0.9	4
63	Clinical and Radiological Outcomes After Surgical Treatment of Lower Limb Fractures in Patients With Spinal Cord Injury. Global Spine Journal, 2020, 10, 715-719.	1.2	3
64	Osteology of the ilium revised: illuminating the clinical relevance. European Journal of Trauma and Emergency Surgery, 2021, 47, 1671-1677.	0.8	3
65	Fibrin glue as a protective tool for microanastomoses in limb reconstructive surgery. GMS Interdisciplinary Plastic and Reconstructive Surgery DGPW, 2015, 4, Doc14.	0.1	3
66	3D-Navigation Reduces Radiation Exposure and Operative Time in Lumbopelvic Fixations. Spine Journal, 2016, 16, S300.	0.6	2
67	Comparative analysis of clinical outcome and quality of life between amputations and combined bone and flap reconstructions at the lower leg. Disability and Rehabilitation, 2022, 44, 6744-6748.	0.9	2
68	Sacral Fractures. , 2011, , 1405-1421.		2
69	Does the Implementation of the PRO-IMPLANT Foundation Treatment Algorithm Improve the Outcome of Chronic Periprosthetic Knee Infections? Mid-Term Results of a Prospective Study. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2023, 161, 260-270.	0.4	2
70	43. Decompression and lumbopelvic fixation for highly displaced sacral fracture-dislocations with neurologic deficits. Spine Journal, 2004, 4, S24.	0.6	1
71	Fractures and Fracture-Dislocations at the Lumbosacral Junction. Contemporary Spine Surgery, 2006, 7, 1-7.	0.2	1
72	Management of Sacral Fractures. , 2012, , 2035-2045.		1

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73	Treatment of chronic acromioclavicular joint dislocation in a paraplegic patient with the Weaver-Dunn procedure and a hook-plate. <i>Orthopedic Reviews</i> , 2016, 8, 6371.	0.3	1
74	Patients with thoracic trauma and concomitant spinal cord injury have a markedly decreased mortality rate compared to patients without spinal cord injury. <i>International Orthopaedics</i> , 2016, 40, 155-159.	0.9	1
75	Similar Adenoma Detection Rates in Colonoscopic Procedures of Patients with Spinal Cord Injury Compared to Controls. <i>Digestive Diseases and Sciences</i> , 2020, 65, 1197-1205.	1.1	1
76	Surgical Stabilization Options for Fractures and Fracture-Dislocations at the Lumbosacral Junction and for Posterior Pelvic Ring Reconstruction. , 2010, , 321-333.		1
77	Conversion From Knee Arthrodesis Back to Arthroplasty: A Particular Challenge in Combination With Fungal Periprosthetic Joint Infection. <i>Arthroplasty Today</i> , 2020, 6, 1038-1044.	0.8	1
78	Fractures and Fracture-Dislocations at the Lumbosacral Junction. <i>Contemporary Spine Surgery</i> , 2006, 7, 1-8.	0.2	0
79	Descompresi??n y Fijaci??n Lumbo-p??lvica para Luxo-Fractura Sacra con Disociaci??n Espino-P??lvica. <i>Journal of Orthopaedic Trauma</i> , 2006, 20, 520.	0.7	0
80	Article Commentary: "Atraumatic Sacral Fracture in Late Pregnancy: A Case Report" <i>Global Spine Journal</i> , 2015, 5, 252-252.	1.2	0
81	IN RESPONSE:. <i>Spine</i> , 2018, 43, E1429.	1.0	0
82	Lâ€™isthme iliaqueÂ”Â©finition dâ€™une voie pour la fixation osseuse interne et externe. <i>Revue De Chirurgie Orthopedique Et Traumatologique</i> , 2020, 106, 501.	0.0	0
83	Hierarchical Ceramic Coating Reduces Adherence of Cells, Blood, Bacteria, and Tissue on Titanium Microsurgical Instruments. <i>Journal of Reconstructive Microsurgery</i> , 2021, , .	1.0	0
84	Sacral fractures. , 2012, , 399-403.		0
85	The Use of Fibrin Glue to Protect Microanastomoses in Limb Reconstructive Surgery. <i>Journal of Reconstructive Microsurgery</i> , 2014, 30, .	1.0	0