

Kai Sprengel

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

768
citations

623188

14
h-index

610482

24
g-index

62
all docs

62
docs citations

62
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	Change of transfusion and treatment paradigm in major trauma patients. <i>Anaesthesia</i> , 2017, 72, 1317-1326.	1.8	112
2	Whole-body CT-based imaging algorithm for multiple trauma patients: radiation dose and time to diagnosis. <i>British Journal of Radiology</i> , 2015, 88, 20140616.	1.0	57
3	Early computed tomography or focused assessment with sonography in abdominal trauma: what are the leading opinions?. <i>European Journal of Trauma and Emergency Surgery</i> , 2018, 44, 3-8.	0.8	47
4	How to detect a polytrauma patient at risk of complications: A validation and database analysis of four published scales. <i>PLoS ONE</i> , 2020, 15, e0228082.	1.1	47
5	A Consensus-Based Criterion Standard for the Requirement of a Trauma Team. <i>World Journal of Surgery</i> , 2018, 42, 2800-2809.	0.8	26
6	Effect of elevated serum alcohol level on the outcome of severely injured patients. <i>Emergency Medicine Journal</i> , 2014, 31, 813-817.	0.4	24
7	Are Pre-hospital Trauma Deaths Preventable? A Systematic Literature Review. <i>World Journal of Surgery</i> , 2019, 43, 2438-2446.	0.8	24
8	Role of Pre-Operative Blood Transfusion and Subcutaneous Fat Thickness as Risk Factors for Surgical Site Infection after Posterior Thoracic Spine Stabilization. <i>Surgical Infections</i> , 2015, 16, 333-337.	0.7	23
9	In-screw cement augmentation for iliosacral screw fixation in posterior ring pathologies with insufficient bone stock. <i>European Journal of Trauma and Emergency Surgery</i> , 2018, 44, 203-210.	0.8	23
10	Systematic Review and Meta-Analysis of 3 Treatment Arms for Vertebral Compression Fractures. <i>JBJS Reviews</i> , 2021, 9, .	0.8	19
11	Improvement of prognostic performance in severely injured patients by integrated clinico-transcriptomics: a translational approach. <i>Critical Care</i> , 2015, 19, 414.	2.5	18
12	Maxillofacial injuries in severely injured patients. <i>Journal of Trauma Management and Outcomes</i> , 2015, 9, 4.	0.9	18
13	TASCI-transcutaneous tibial nerve stimulation in patients with acute spinal cord injury to prevent neurogenic detrusor overactivity: protocol for a nationwide, randomised, sham-controlled, double-blind clinical trial. <i>BMJ Open</i> , 2020, 10, e039164.	0.8	18
14	The benefits of elective spinal implant removal: a retrospective study of 137 patients. <i>European Spine Journal</i> , 2016, 25, 856-864.	1.0	17
15	Comparison of two different coagulation algorithms on the use of allogenic blood products and coagulation factors in severely injured trauma patients: a retrospective, multicentre, observational study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 4.	1.1	17
16	Implementation of new standard operating procedures for geriatric trauma patients with multiple injuries: a single level I trauma centre study. <i>BMC Geriatrics</i> , 2019, 19, 359.	1.1	17
17	Improved pre-hospital care efficiency due to the implementation of pre-hospital trauma life support (PHTLS®) algorithms. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 1321-1325.	0.8	17
18	Influence of metal ions on human lymphocytes and the generation of titanium-specific T-lymphocytes. <i>Journal of Applied Biomaterials and Biomechanics</i> , 2011, 9, 137-143.	0.4	15

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19	Repeated CT scans in trauma transfers: An analysis of indications, radiation dose exposure, and costs. <i>European Journal of Radiology</i> , 2017, 88, 135-140.	1.2	15
20	3D navigation of endoscopic rhizotomy at the lumbar spine. <i>Journal of Clinical Neuroscience</i> , 2016, 23, 101-105.	0.8	14
21	Subcutaneous internal anterior fixation of pelvis fracturesâ€”which configuration of the InFix is clinically optimal?â€”a retrospective study. <i>International Orthopaedics</i> , 2019, 43, 2161-2166.	0.9	14
22	An Integrated Clinico-transcriptomic Approach Identifies a Central Role of the Heme Degradation Pathway for Septic Complications after Trauma. <i>Annals of Surgery</i> , 2016, 264, 1125-1134.	2.1	13
23	Comparison of different CT metal artifact reduction strategies for standard titanium and carbonâ€”fiber reinforced polymer implants in sheep cadavers. <i>BMC Medical Imaging</i> , 2021, 21, 29.	1.4	12
24	Single-level vertebral kyphoplasty is not associated with an increased risk of symptomatic secondary adjacent osteoporotic vertebral compression fractures: a matched caseâ€”control analysis. <i>Archives of Osteoporosis</i> , 2018, 13, 82.	1.0	11
25	Fresh frozen plasma is permissive for systemic inflammatory response syndrome, infection, and sepsis in multiple-injured patients. <i>American Journal of Emergency Medicine</i> , 2016, 34, 1480-1485.	0.7	10
26	Symmetry Matching of the Medial Acetabular Surfaceâ€”A Quantitative Analysis in View of Patient-Specific Implants. <i>Journal of Orthopaedic Trauma</i> , 2019, 33, e79-e83.	0.7	10
27	Assessment of polytraumatized patients according to the Berlin Definition: Does the addition of physiological data really improve interobserver reliability?. <i>PLoS ONE</i> , 2018, 13, e0201818.	1.1	9
28	Incidence, impact and risk factors for multidrug-resistant organisms (MDRO) in patients with major trauma: a European Multicenter Cohort Study. <i>European Journal of Trauma and Emergency Surgery</i> , 2022, 48, 659-665.	0.8	9
29	Impact of a goal-directed factor-based coagulation management on thromboembolic events following major trauma. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2019, 27, 117.	1.1	8
30	Early fixation strategies for high energy pelvic ring injuries â€” the Zurich algorithm. <i>Injury</i> , 2021, 52, 2712-2718.	0.7	8
31	Interobserver variability of injury severity assessment in polytrauma patients: does the anatomical region play a role?. <i>European Journal of Medical Research</i> , 2021, 26, 35.	0.9	8
32	Rate of intraoperative problems during sacroiliac screw removal: expect the unexpected. <i>BMC Surgery</i> , 2019, 19, 39.	0.6	7
33	Evaluation of a standardized instrument for post hoc analysis of trauma-team-activation-criteria in 75,613 injured patients an analysis of the TraumaRegister DGUâ„®. <i>European Journal of Trauma and Emergency Surgery</i> , 2022, 48, 1101-1109.	0.8	7
34	Is the Regular Intake of Anticoagulative Agents an Independent Risk Factor for the Severity of Traumatic Brain Injuries in Geriatric Patients? A Retrospective Analysis of 10,559 Patients from the TraumaRegister DGUâ„®. <i>Brain Sciences</i> , 2020, 10, 842.	1.1	6
35	Reimbursement of care for severe trauma under SwissDRG. <i>Swiss Medical Weekly</i> , 2016, 146, w14334.	0.8	6
36	Automatic radiation dose monitoring for CT of trauma patients with different protocols: feasibility and accuracy. <i>Clinical Radiology</i> , 2016, 71, 905-911.	0.5	5

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37	Age-Dependent Patient and Trauma Characteristics and Hospital Resource Requirementsâ€”Can Improvement Be Made? An Analysis from the German Trauma Registry. <i>Medicina (Lithuania)</i> , 2021, 57, 330.	0.8	5
38	Osseous vitality in single photon emission computed tomography/computed tomography (SPECT/CT) after balloon tibioplasty of the tibial plateau: a case series. <i>BMC Medical Imaging</i> , 2015, 15, 56.	1.4	4
39	The impact of mild induced hypothermia on the rate of transfusion and the mortality in severely injured patients: a retrospective multi-centre study. <i>European Journal of Medical Research</i> , 2016, 21, 37.	0.9	4
40	The impact of non-thermal injuries in combined burn trauma: A retrospective analysis over the past 35 years. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019, 72, 438-446.	0.5	4
41	Is There Any Difference in the Outcome of Geriatric and Non-Geriatric Severely Injured Patients?â€”A Seven-Year, Retrospective, Observational Cohort Study with Matched-Pair Analysis. <i>Journal of Clinical Medicine</i> , 2020, 9, 3544.	1.0	4
42	Pre-hospital trauma care in Switzerland and Germany: do they speak the same language?. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, 47, 1273-1280.	0.8	4
43	The GERtality Score: The Development of a Simple Tool to Help Predict in-Hospital Mortality in Geriatric Trauma Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 1362.	1.0	4
44	OF-Pelvis classification of osteoporotic sacral and pelvic ring fractures. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 992.	0.8	4
45	Comparison of metal artifact reduction techniques in magnetic resonance imaging of carbon-reinforced PEEK and titanium spinal implants. <i>Acta Radiologica</i> , 2022, 63, 1062-1070.	0.5	3
46	Paradigm shifts in diagnostics and treatment of multiply injured patients â€” How does it affect visceral injuries?. <i>Injury</i> , 2017, 48, 565-567.	0.7	2
47	Curiosity or Underdiagnosed? Injuries to Thoracolumbar Spine with Concomitant Trauma to Pancreas. <i>Journal of Clinical Medicine</i> , 2021, 10, 700.	1.0	2
48	Practicability of avoiding hypothermia in resuscitation room phase in severely injured patients. <i>Journal of Medical Engineering and Technology</i> , 2015, 39, 223-225.	0.8	1
49	Analysis of fluid resuscitation in critically injured patientsâ€”A central role of saline solutions. <i>Journal of Acute Medicine</i> , 2016, 6, 29-34.	0.2	1
50	Resuscitation with polymeric plasma substitutes is permissive for systemic inflammatory response syndrome and sepsis in multiply injured patients: a retrospective cohort study. <i>European Journal of Medical Research</i> , 2016, 21, 39.	0.9	1
51	Trauma Team Activation: Which Surgical Capability Is Immediately Required in Polytrauma? A Retrospective, Monocentric Analysis of Emergency Procedures Performed on 751 Severely Injured Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 4335.	1.0	1
52	Discrimination and calibration of a prediction model for mortality is decreased in secondary transferred patients: a validation in the TraumaRegister DGU. <i>BMJ Open</i> , 2022, 12, e056381.	0.8	1
53	Survey on structural preparedness for treatment of thoracic and abdominal trauma in German-speaking level 1 trauma centers. <i>European Journal of Trauma and Emergency Surgery</i> , 2019, 47, 949-953.	0.8	0
54	Chylomicronemia Mimicking an Infection During Emergent Fracture Surgery. <i>JBJS Case Connector</i> , 2021, 11, .	0.1	0

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55	Simultaneous Casualty Admissionsâ€”Do they Affect Treatment in the Receiving Trauma Center?. World Journal of Surgery, 2021, 45, 2037-2045.	0.8	0
56	Stand-alone percutaneous stent-kyphoplasty for thoracolumbar split and burst-split fractures. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2022, 29, 101539.	0.2	0