Kai-Uwe Lewandrowski

List of Publications by Year
in descending order

95 papers	2,000 citations	279798 23 h-index	315739 38 g-index
96 all docs	96 docs citations	96 times ranked	1460 citing authors

#	Article	IF	Citations
1	Patient selection criteria for percutaneous anterior cervical laser versus endoscopic discectomy. Lasers in Surgery and Medicine, 2022, 54, 530-539.	2.1	3
2	A Differential Clinical Benefit Examination of Full Lumbar Endoscopy vs Interspinous Process Spacers in the Treatment of Spinal Stenosis: An Effect Size Meta-Analysis of Clinical Outcomes. International Journal of Spine Surgery, 2022, 16, 102-123.	1.5	1
3	Editorsâ€™ Commentary: The Effect of Vitamin D Deficiency on Outcomes of Patients Undergoing Elective Spinal Fusion Surgery: A Systematic Review and Meta-Analysis by Khalooeifard et al. International Journal of Spine Surgery, 2022, 16, 2-3.	1.5	0
4	Endoscopic Techniques for Lumbar Interbody Fusion: Principles and Context. BioMed Research International, 2022, 2022, 1-9.	1.9	8
5	Differential Agnostic Effect Size Analysis of Lumbar Stenosis Surgeries. International Journal of Spine Surgery, 2022, 16, 318-342.	1.5	3
6	Magnetic Resonance Imaging Documentation of Approach Trauma With Lumbar Endoscopic Interlaminar, Translaminar, Compared to Open Microsurgical Discectomy. International Journal of Spine Surgery, 2022, 16, 343-352.	1.5	0
7	A Proposed Personalized Spine Care Protocol (SpineScreen) to Treat Visualized Pain Generators: An Illustrative Study Comparing Clinical Outcomes and Postoperative Reoperations between Targeted Endoscopic Lumbar Decompression Surgery, Minimally Invasive TLIF and Open Laminectomy. Journal of Personalized Medicine, 2022, 12, 1065.	2.5	2
8	Indication and Contraindication of Endoscopic Transforaminal Lumbar Decompression. World Neurosurgery, 2021, 145, 631-642.	1.3	18
9	Minimally invasive debridement and drainage using intraoperative CT-Guide in multilevel spondylodiscitis: a longâ€term followâ€up study. BMC Musculoskeletal Disorders, 2021, 22, 120.	1.9	6
10	Full Endoscopic Lumbar Discectomy Versus Laminectomy for Cauda Equina Syndrome. International Journal of Spine Surgery, 2021, 15, 105-112.	1.5	5
11	Dural Tears During Lumbar Spinal Endoscopy: Surgeon Skill, Training, Incidence, Risk Factors, and Management. International Journal of Spine Surgery, 2021, 15, 280-294.	1.5	17
12	Full-Endoscopic Oblique Lateral Lumbar Interbody Fusion: A Technical Note With 1-Year Follow-Up. International Journal of Spine Surgery, 2021, 15, 8072.	1.5	12
13	Durability of Endoscopes Used During Routine Lumbar Endoscopy: An Analysis of Use Patterns, Common Failure Modes, Impact on Patient Care, and Contingency Plans. International Journal of Spine Surgery, 2021, 15, 1147-1160.	1.5	3
14	Difficulties, Challenges, and the Learning Curve of Avoiding Complications in Lumbar Endoscopic Spine Surgery. International Journal of Spine Surgery, 2021, 15, S21-S37.	1.5	14
15	Worldwide research productivity in the field of full-endoscopic spine surgery: a bibliometric study. European Spine Journal, 2020, 29, 153-160.	2.2	51
16	The strategies behind â€œinside-outâ€•and â€œoutside-inâ€•endoscopy of the lumbar spine: treating the pain generator. Journal of Spine Surgery, 2020, 6, S35-S39.	1.2	16
17	Five-year clinical outcomes with endoscopic transforaminal foraminoplasty for symptomatic degenerative conditions of the lumbar spine: a comparative study of inside-out versus outside-in techniques. Journal of Spine Surgery, 2020, 6, S66-S83.	1.2	33
18	Dysethesia due to irritation of the dorsal root ganglion following lumbar transforaminal endoscopy: Analysis of frequency and contributing factors. Clinical Neurology and Neurosurgery, 2020, 197, 106073.	1.4	20

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19	Feasibility of Using Intraoperative Neuromonitoring in the Prophylaxis of Dysesthesia in Transforaminal Endoscopic Discectomies of the Lumbar Spine. Brain Sciences, 2020, 10, 522.	2.3	6
20	Transforaminal endoscopic decompression and uninstrumented allograft lumbar interbody fusion: A feasibility study in patients with end-stage vacuum degenerative disc disease. Clinical Neurology and Neurosurgery, 2020, 196, 106002.	1.4	3
21	Virtual reality in spinal endoscopy: a paradigm shift in education to support spine surgeons. Journal of Spine Surgery, 2020, 6, S208-S223.	1.2	35
22	Standalone lordotic endoscopic wedge lumbar interbody fusion (LEW-LIFâ„¢) with a threaded cylindrical peek cage: report of two cases. Journal of Spine Surgery, 2020, 6, S275-S285.	1.2	10
23	Five-year clinical outcomes with endoscopic transforaminal outside-in foraminoplasty techniques for symptomatic degenerative conditions of the lumbar spine. Journal of Spine Surgery, 2020, 6, S54-S65.	1.2	18
24	Surgeon motivation, and obstacles to the implementation of minimally invasive spinal surgery techniques. Journal of Spine Surgery, 2020, 6, S249-S259.	1.2	14
25	Clinical outcomes with endoscopic resection of lumbar extradural cysts. Journal of Spine Surgery, 2020, 6, S133-S144.	1.2	6
26	Meaningful outcome research to validate endoscopic treatment of common lumbar pain generators with durability analysis. Journal of Spine Surgery, 2020, 6, S6-S13.	1.2	8
27	Outcomes with transforaminal endoscopic versus percutaneous laser decompression for contained lumbar herniated disc: a survival analysis of treatment benefit. Journal of Spine Surgery, 2020, 6, S84-S99.	1.2	12
28	Surgical treatment of cervical radiculopathy using an anterior cervical endoscopic decompression. Journal of Spine Surgery, 2020, 6, S179-S185.	1.2	6
29	Subsidence induced recurrent radiculopathy after staged two- level standalone endoscopic lumbar interbody fusion with a threaded cylindrical cage: a case report. Journal of Spine Surgery, 2020, 6, S286-S293.	1.2	15
30	Regional variations in acceptance, and utilization of minimally invasive spinal surgery techniques among spine surgeons: results of a global survey. Journal of Spine Surgery, 2020, 6, S260-S274.	1.2	28
31	Surgeon training and clinical implementation of spinal endoscopy in routine practice: results of a global survey. Journal of Spine Surgery, 2020, 6, S237-S248.	1.2	18
32	Return to work and recovery time analysis after outpatient endoscopic lumbar transforaminal decompression surgery. Journal of Spine Surgery, 2020, 6, S100-S115.	1.2	17
33	Technology advancements in spinal endoscopy for staged management of painful spine conditions. Journal of Spine Surgery, 2020, 6, S19-S28.	1.2	16
34	Navigating the learning curve of spinal endoscopy as an established traditionally trained spine surgeon. Journal of Spine Surgery, 2020, 6, S197-S207.	1.2	25
35	Lumbar vacuum disc, vertical instability, standalone endoscopic interbody fusion, and other treatments: an opinion based survey among minimally invasive spinal surgeons. Journal of Spine Surgery, 2020, 6, S165-S178.	1.2	14
36	Patient selection protocols for endoscopic transforaminal, interlaminar, and translaminar decompression of lumbar spinal stenosis. Journal of Spine Surgery, 2020, 6, S120-S132.	1.2	20

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37	Comparative study of curative effect of spinal endoscopic surgery and anterior cervical decompression for cervical spondylotic myelopathy. Journal of Spine Surgery, 2020, 6, S186-S196.	1.2	15
38	Is Asia truly a hotspot of contemporary minimally invasive and endoscopic spinal surgery?. Journal of Spine Surgery, 2020, 6, S224-S236.	1.2	17
39	Early and staged endoscopic management of common pain generators in the spine. Journal of Spine Surgery, 2020, 6, S1-S5.	1.2	19
40	Minimal Clinically Important Difference in Patient-Reported Outcome Measures with the Transforaminal Endoscopic Decompression for Lateral Recess and Foraminal Stenosis. International Journal of Spine Surgery, 2020, 14, 254-266.	1.5	20
41	Endoscopic Transforaminal Lumbar Interbody Fusion With a Single Oblique PEEK Cage and Posterior Supplemental Fixation. International Journal of Spine Surgery, 2020, 14, 7126.	1.5	7
42	Artificial Intelligence Comparison of the Radiologist Report With Endoscopic Predictors of Successful Transforaminal Decompression for Painful Conditions of the Lumber Spine: Application of Deep Learning Algorithm Interpretation of Routine Lumbar Magnetic Resonance Imaging Scan. International Journal of Spine Surgery, 2020, 14, S75-S85.	1.5	11
43	Feasibility of Deep Learning Algorithms for Reporting in Routine Spine Magnetic Resonance Imaging. International Journal of Spine Surgery, 2020, 14, S86-S97.	1.5	23
44	Reliability Analysis of Deep Learning Algorithms for Reporting of Routine Lumbar MRI Scans. International Journal of Spine Surgery, 2020, 14, 7132.	1.5	3
45	Lumbar Endoscopic Bony and Soft Tissue Decompression With the Hybridized Inside-Out Approach: A Review And Technical Note. Neurospine, 2020, 17, S34-S43.	2.9	7
46	Editors' Introduction: Modern Technology Applications in Minimally Invasive Spine Surgery Techniques. International Journal of Spine Surgery, 2020, 14, S3-S3.	1.5	0
47	Expandable Interbody Fusion Cages: An Editorial on the Surgeon's Perspective on Recent Technological Advances and Their Biomechanical Implications. International Journal of Spine Surgery, 2020, 14, S56-S62.	1.5	2
48	Transforaminal Endoscopic Discectomy Combined With an Interspinous Process Distraction System for Spinal Stenosis. International Journal of Spine Surgery, 2020, 14, S4-S12.	1.5	1
49	Transforaminal Endoscopic Discectomy Combined With an Interspinous Process Distraction System for Spinal Stenosis. International Journal of Spine Surgery, 2020, 14, S4-S12.	1.5	5
50	Expandable Interbody Fusion Cages: An Editorial on the Surgeon's Perspective on Recent Technological Advances and Their Biomechanical Implications. International Journal of Spine Surgery, 2020, 14, S56-S62.	1.5	9
51	Current Concepts of Contemporary Expandable Lumbar Interbody Fusion Cage Designs, Part 1: An Editorial on Their Biomechanical Characteristics. International Journal of Spine Surgery, 2020, 14, S63-S67.	1.5	3
52	Treatment of Soft Tissue and Bony Spinal Stenosis by a Visualized Endoscopic Transforaminal Technique Under Local Anesthesia. Neurospine, 2019, 16, 52-62.	2.9	56
53	Retrospective analysis of accuracy and positive predictive value of preoperative lumbar MRI grading after successful outcome following outpatient endoscopic decompression for lumbar foraminal and lateral recess stenosis. Clinical Neurology and Neurosurgery, 2019, 181, 52.	1.4	12
54	Retrospective analysis of accuracy and positive predictive value of preoperative lumbar MRI grading after successful outcome following outpatient endoscopic decompression for lumbar foraminal and lateral recess stenosis. Clinical Neurology and Neurosurgery, 2019, 179, 74-80.	1.4	28

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55	The Concept for A Standalone Lordotic Endoscopic Wedge Lumbar Interbody Fusion: The LEW-LIF. Neurospine, 2019, 16, 82-95.	2.9	38
56	Incidence, Management, and Cost of Complications After Transforaminal Endoscopic Decompression Surgery for Lumbar Foraminal and Lateral Recess Stenosis: A Value Proposition for Outpatient Ambulatory Surgery. International Journal of Spine Surgery, 2019, 13, 53-67.	1.5	63
57	Use of â€œInside-Outâ€•Technique for Direct Visualization of a Vacuum Vertically Unstable Intervertebral Disc During Routine Lumbar Endoscopic Transforaminal Decompressionâ€"A Correlative Study of Clinical Outcomes and the Prognostic Value of Lumbar Radiographs. International Journal of Spine Surgery, 2019, 13, 399-414.	1.5	11
58	Intradiscal Expandable Balloon Distraction During Transforaminal Decompression for Lumbar Foraminal and Lateral Recess Stenosis. Surgical Innovation, 2018, 25, 165-173.	0.9	2
59	Successful outcome after outpatient transforaminal decompression for lumbar foraminal and lateral recess stenosis: The positive predictive value of diagnostic epidural steroid injection. Clinical Neurology and Neurosurgery, 2018, 173, 38-45.	1.4	40
60	Endoscopic Transforaminal and Lateral Recess Decompression After Previous Spinal Surgery. International Journal of Spine Surgery, 2018, 12, 98-111.	1.5	23
61	Readmissions After Outpatient Transforaminal Decompression for Lumbar Foraminal and Lateral Recess Stenosis. International Journal of Spine Surgery, 2018, 12, 342-351.	1.5	37
62	â€œOutside-inâ€•Technique, Clinical Results, and Indications with Transforaminal Lumbar Endoscopic Surgery: a Retrospective Study on 220 Patients on Applied Radiographic Classification of Foraminal Spinal Stenosis. International Journal of Spine Surgery, 2014, 8, 26.	1.5	83
63	Brachial Neuritis. Spine, 2007, 32, E640-E644.	2.0	16
64	Vertebral osteolysis after posterior interbody lumbar fusion with recombinant human bone morphogenetic protein 2: A report of five cases. Spine Journal, 2007, 7, 609-614.	1.3	160
65	Atraumatic odontoid fractures in patients with rheumatoid arthritis. Spine Journal, 2006, 6, 529-533.	1.3	13
66	Three-level bilateral pediculolysis following osteoporotic lumbar compression fracture. Spine Journal, 2006, 6, 539-543.	1.3	6
67	Cord and Cauda Equina Injury Complicating Elective Orthopedic Surgery. Spine, 2006, 31, 1056-1059.	2.0	21
68	A poly(propylene glycol-co-fumaric acid) based bone graft extender for lumbar spinal fusion: in vivo assessment in a rabbit model. European Spine Journal, 2006, 15, 936-943.	2.2	14
69	A ROLE FOR VERTEBRAL BIOPSY IN SELECTED PATIENTS WITH KNOWN MALIGNANCY. Journal of Bone and Joint Surgery - Series A, 2005, 87, 1348-1353.	3.0	1
70	Diastematomyelia presenting as progressive weakness in an adult after spinal fusion for adolescent idiopathic scoliosis. Spine Journal, 2004, 4, 116-119.	1.3	27
71	Anterior Spinal Arthrodesis With Structural Cortical Allografts and Instrumentation for Spine Tumor Surgery. Spine, 2004, 29, 1150-1158.	2.0	43
72	Quantitative Measures of Osteoinductivity of a Porous Poly(propylene fumarate) Bone Graft Extender. Tissue Engineering, 2003, 9, 85-93.	4.6	23

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73	Enhanced bioactivity of a poly(propylene fumarate) bone graft substitute by augmentation with nano-hydroxyapatite. Bio-Medical Materials and Engineering, 2003, 13, 115-24.	0.6	21
74	Porous Poly(propylene Fumarate) Foam Coating of Orthotopic Cortical Bone Grafts for Improved Osteoconduction. Tissue Engineering, 2002, 8, 1017-1027.	4.6	10
75	Biomechanical Analysis of Biodegradable Interbody Fusion Cages Augmented With Poly(Propylene) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	24
76	Composite poly(lactide)/hydroxylapatite screws for fixation of osteochondral osteotomies. A morphometric, histologic and radiographic study in sheep. Journal of Biomaterials Science, Polymer Edition, 2002, 13, 1241-1258.	3.5	4
77	Healing of osteochondral osteotomies after fixation with a hydroxyapatite-buffered polylactide. A histomorphometric and radiographic study in rabbits. Bio-Medical Materials and Engineering, 2002, 12, 259-70.	0.6	0
78	Composite resorbable polymer/hydroxylapatite composite screws for fixation of osteochondral osteotomies. Bio-Medical Materials and Engineering, 2002, 12, 423-38.	0.6	1
79	Immune response to perforated and partially demineralized bone allografts. Journal of Orthopaedic Science, 2001, 6, 545-555.	1.1	42
80	Advances in the biology of spinal fusion: growth factors and gene therapy. Current Opinion in Orthopaedics, 2000, 11, 167-175.	0.3	2
81	Bioresorbable bone graft substitutes of different osteoconductivities: a histologic evaluation of osteointegration of poly(propylene glycol-co-fumaric acid)-based cement implants in rats. Biomaterials, 2000, 21, 757-764.	11.4	143
82	Osteoconductivity of an injectable and bioresorbable poly(propylene glycol-co-fumaric acid) bone cement. Biomaterials, 2000, 21, 293-298.	11.4	51
83	Experimental anterior spine fusion using bovine bone morphogenetic protein: a study in rabbits. Journal of Orthopaedic Science, 2000, 5, 165-170.	1.1	20
84	Biodegradable Foam Coating of Cortical Allografts. Tissue Engineering, 2000, 6, 217-227.	4.6	11
85	Tissue responses to molecularly reinforced polylactide-co-glycolide implants. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 401-414.	3.5	11
86	Developing porosity of poly(propylene glycol-co-fumaric acid) bone graft substitutes and the effect on osteointegration: A preliminary histology study in rats. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 879-889.	3.5	38
87	Effect of a Poly(propylene fumarate) Foaming Cement on the Healing of Bone Defects. Tissue Engineering, 1999, 5, 305-316.	4.6	38
88	Mechanical Properties of Perforated and Partially Demineralized Bone Grafts. Clinical Orthopaedics and Related Research, 1998, 353, 238-246.	1.5	14
89	Concomitant Meniscal and Articular Cartilage Lesions in the Femorotibial Joint. American Journal of Sports Medicine, 1997, 25, 486-494.	4.2	57
90	Improved osteoinduction of cortical bone allografts: A study of the effects of laser perforation and partial demineralization. Journal of Orthopaedic Research, 1997, 15, 748-756.	2.3	30

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91	Repopulation of laser-perforated chondroepiphyseal matrix with xenogeneic chondrocytes: An experimental model. Journal of Orthopaedic Research, 1996, 14, 102-107.	2.3	12
92	Use of the Er:YAG laser for improved plating in maxillofacial surgery: Comparison of bone healing in laser and drill osteotomies. , 1996, 19, 40-45.		92
93	Kinetics of cortical bone demineralization: Controlled demineralization?a new method for modifying cortical bone allografts. , 1996, 31, 365-372.		26
94	Use of the Er:YAG laser for improved plating in maxillofacial surgery: Comparison of bone healing in laser and drill osteotomies. Lasers in Surgery and Medicine, 1996, 19, 40-45.	2.1	9
95	Kinetics of cortical bone demineralization: Controlled demineralizationâ€"a new method for modifying cortical bone allografts. Journal of Biomedical Materials Research Part B, 1996, 31, 365-372.	3.1	2