

Werner Kneist

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,585
citations

304743

22
h-index

361022

35
g-index

115
all docs

115
docs citations

115
times ranked

1472
citing authors

#	ARTICLE	IF	CITATIONS
1	Reply to Gachabayov et al. "Consensus statement on TaTME: other thoughts". <i>Colorectal Disease</i> , 2021, 23, 553-555.	1.4	3
2	HoloPointer: a virtual augmented reality pointer for laparoscopic surgery training. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 161-168.	2.8	17
3	Using virtual 3D-models in surgical planning: workflow of an immersive virtual reality application in liver surgery. <i>Langenbeck's Archives of Surgery</i> , 2021, 406, 911-915.	1.9	35
4	Virtual reality and 3D printing improve preoperative visualization of 3D liver reconstructions" results from a preclinical comparison of presentation modalities and user" preferences. <i>Annals of Translational Medicine</i> , 2021, 9, 1074-1074.	1.7	32
5	Comparative analysis of nuclear and mitochondrial DNA from tissue and liquid biopsies of colorectal cancer patients. <i>Scientific Reports</i> , 2021, 11, 16745.	3.3	13
6	Robotic Setup Promises Consistent Effects of Multilocular Gastrointestinal Electrical Stimulation: First Results of a Porcine Study. <i>European Surgical Research</i> , 2020, 61, 14-22.	1.3	2
7	Toward interprofessional team training for surgeons and anesthesiologists using virtual reality. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020, 15, 2109-2118.	2.8	27
8	Translational development and pre-clinical evaluation of prototype gastrointestinal mock-up devices: only robotic placement of plastic?. <i>Journal of Medical Engineering and Technology</i> , 2020, 44, 108-113.	1.4	1
9	Da Vinci Single-Port robot-assisted transanal mesorectal excision: a promising preclinical experience. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 3232-3235.	2.4	24
10	Quality-based assessment of camera navigation skills for laparoscopic fundoplication. <i>Ecological Management and Restoration</i> , 2020, 33, .	0.4	1
11	Fecal incontinence after total mesorectal excision for rectal cancer" impact of potential risk factors and pelvic intraoperative neuromonitoring. <i>World Journal of Surgical Oncology</i> , 2020, 18, 12.	1.9	19
12	Local, semi-automatic, three-dimensional liver reconstruction or external provider? An analysis of performance and time expense. <i>Langenbeck's Archives of Surgery</i> , 2020, 405, 173-179.	1.9	10
13	International expert consensus guidance on indications, implementation and quality measures for transanal total mesorectal excision. <i>Colorectal Disease</i> , 2020, 22, 749-755.	1.4	40
14	Higher quality camera navigation improves the surgeon's performance: Evidence from a pre-clinical study. <i>Journal of Minimal Access Surgery</i> , 2020, 16, 355.	0.7	5
15	Management of Bleeding Complications in Virtual Reality Laparoscopy. <i>International Surgery</i> , 2019, 104, 277-282.	0.1	0
16	Five-fold Gastrointestinal Electrical Stimulation With Electromyography-based Activity Analysis: Towards Multilocular Theranostic Intestinal Implants. <i>Journal of Neurogastroenterology and Motility</i> , 2019, 25, 461-470.	2.4	10
17	Tu1141 EVALUATION OF A NEW DEMILUNE SHAPED DEVICE FOR ENDOSCOPIC SUBMUCOSAL DISSECTION (ESD). <i>Gastrointestinal Endoscopy</i> , 2019, 89, AB576.	1.0	0
18	Head-Mounted Mixed-Reality Technology During Robotic-Assisted Transanal Total Mesorectal Excision. <i>Diseases of the Colon and Rectum</i> , 2019, 62, 258-261.	1.3	23

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19	A Roadmap to the Pelvic Autonomic Nerves During Transanal Dissection. , 2019, , 335-342.		0
20	An Interactive Demonstration of Collaborative VR for Laparoscopic Liver Surgery Training. , 2019, , .		5
21	Collaborative Virtual Reality for Laparoscopic Liver Surgery Training. , 2019, , .		23
22	Research platform for medical device development to simplify translation to the market*. , 2019, 2019, 1452-1455.		1
23	Technical, Medical and Ethical Challenges in Networks of Smart Active Implants*. , 2019, 2019, 1484-1487.		1
24	How to Report on Distal Resection Margins in Trials on Rectal Cancer Surgery. Diseases of the Colon and Rectum, 2019, 62, e1-e2.	1.3	2
25	Application of a newly designed microfork probe for robotic-guided pelvic intraoperative neuromapping. Journal of Minimal Access Surgery, 2019, 15, 182.	0.7	3
26	Artificial Versus Video-Based Immersive Virtual Surroundings: Analysis of Performance and User's Preference. Surgical Innovation, 2018, 25, 280-285.	0.9	19
27	Extracorporeal Stimulation of Sacral Nerve Roots for Observation of Pelvic Autonomic Nerve Integrity: Description of a Novel Methodological Setup. IEEE Transactions on Biomedical Engineering, 2018, 65, 550-555.	4.2	4
28	Highly immersive virtual reality laparoscopy simulation: development and future aspects. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 281-290.	2.8	79
29	Interactive Implants: Ethical, legal and social implications. Current Directions in Biomedical Engineering, 2018, 4, 13-16.	0.4	2
30	Motility analysis by means of video tracked markers. Current Directions in Biomedical Engineering, 2018, 4, 341-344.	0.4	1
31	Electrical stimulation with motility analysis of five parts of the gastrointestinal tract. Current Directions in Biomedical Engineering, 2018, 4, 9-11.	0.4	4
32	Laparoscopic right hemicolectomy with CME: standardization using the "critical view" concept. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 5021-5030.	2.4	73
33	Robot-guided neuromapping during nerve-sparing taTME for low rectal cancer. International Journal of Colorectal Disease, 2018, 33, 1803-1805.	2.2	8
34	Structured assessment of laparoscopic camera navigation skills: the SALAS score. Surgical Endoscopy and Other Interventional Techniques, 2018, 32, 4980-4984.	2.4	13
35	Novel multi-image view for neuromapping meets the needs of the robotic surgeon. Techniques in Coloproctology, 2018, 22, 445-448.	1.8	6
36	Laparoscopic assistance by operating room nurses: Results of a virtual-reality study. Nurse Education Today, 2017, 51, 68-72.	3.3	10

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37	New dimensions in surgical training: immersive virtual reality laparoscopic simulation exhilarates surgical staff. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2017, 31, 4472-4477.	2.4	127
38	Risk Factor Analysis for Newly Developed Urogenital Dysfunction after Total Mesorectal Excision and Impact of Pelvic Intraoperative Neuromonitoringâ€™a Prospective 2-Year Follow-Up Study. <i>Journal of Gastrointestinal Surgery</i> , 2017, 21, 1038-1047.	1.7	14
39	Transanal total mesorectal excision for restorative coloproctectomy in an obese high-risk patient with colitis-associated carcinoma. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2017, 26, 188-191.	1.2	6
40	Pelvic Autonomic Nerve Preservation during Total Mesorectal Excision (TME) from Werner Kneist. , 2017, , 383-403.		0
41	Urethral injury in body donor TaTME training. <i>Coloproctology</i> , 2017, 39, 179-183.	0.3	17
42	Inferior rectal plexus is no longer isolated in no manâ€™s land. <i>Coloproctology</i> , 2017, 39, 85-87.	0.3	6
43	Multifunctional surface probe for less invasive stimulation of sacral somatic and autonomic outflow under EMG feedback control. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 265-268.	0.4	0
44	Postprocessing algorithm for automated analysis of pelvic intraoperative neuromonitoring signals. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 189-192.	0.4	3
45	Modeling the pelvic region for non-invasive pelvic intraoperative neuromonitoring. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 185-188.	0.4	1
46	Continuous intraoperative monitoring of pelvic autonomic nerves during TME to prevent urogenital and anorectal dysfunction in rectal cancer patients (NEUROS): a randomized controlled trial. <i>BMC Cancer</i> , 2016, 16, 323.	2.6	20
47	Surgeonsâ€™ assessment of internal anal sphincter nerve supply during TaTME - inbetween expectations and reality. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2016, 25, 241-246.	1.2	26
48	Surface Electromyography Reliably Records Electrophysiologically Evoked Internal Anal Sphincter Activity: A More Minimally Invasive Approach for Monitoring Extrinsic Innervation. <i>European Surgical Research</i> , 2016, 57, 81-88.	1.3	6
49	Transsacral rectocele following combined neurinoma resection: A case report. <i>International Journal of Surgery Case Reports</i> , 2016, 20, 101-103.	0.6	0
50	Pelvic intraoperative neuromonitoring during robotic-assisted low anterior resection for rectal cancer. <i>Journal of Robotic Surgery</i> , 2016, 10, 157-160.	1.8	16
51	Electrophysiology-based quality assurance of nerve-sparing in laparoscopic rectal cancer surgery: Is it worth the effort?. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2016, 30, 4525-4532.	2.4	15
52	Midterm functional results of taTME with neuromapping for low rectal cancer. <i>Techniques in Coloproctology</i> , 2016, 20, 41-49.	1.8	47
53	Transanal minimally invasive surgery (TAMIS) approach for large juxta-anal gastrointestinal stromal tumour. <i>Journal of Minimal Access Surgery</i> , 2016, 12, 289.	0.7	12
54	Impact of inhalation vs. intravenous anaesthesia on autonomic nerves and internal anal sphincter tone. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 1119-1125.	1.6	10

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55	The Use of Caffeinated Substances by Surgeons for Cognitive Enhancement. <i>Annals of Surgery</i> , 2015, 261, 1091-1095.	4.2	37
56	Surgical therapy of primary intestinal lymphangiectasia in adults. <i>Journal of Surgical Case Reports</i> , 2015, 2015, rjv081.	0.4	8
57	Topography of the extrinsic internal anal sphincter nerve supply during laparoscopic-assisted TAMIS TME: five key zones of risk from the surgeons'™ view. <i>International Journal of Colorectal Disease</i> , 2015, 30, 71-78.	2.2	43
58	Anatomie und Schonung der autonomen Nerven im Becken. , 2015, , 87-98.		1
59	Preconditioning in laparoscopic surgery" results of a virtual reality pilot study. <i>Langenbeck's Archives of Surgery</i> , 2014, 399, 889-895.	1.9	13
60	Laparoscopic Neuromapping in Pelvic Surgery. <i>Surgical Innovation</i> , 2014, 21, 213-220.	0.9	22
61	Tailored instructor feedback leads to more effective virtual-reality laparoscopic training. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 967-973.	2.4	22
62	Influence of a short term camera navigation training on laparoscopic performance and team cooperation in a virtual reality setting. <i>Journal of the American College of Surgeons</i> , 2014, 219, e165.	0.5	3
63	Risk Factors for Urinary Dysfunction after Rectal Cancer Surgery. <i>Journal of the American College of Surgeons</i> , 2014, 219, S19.	0.5	0
64	Percutaneous nerve evaluation based on electrode placement under control of autonomic innervation. <i>Techniques in Coloproctology</i> , 2014, 18, 725-730.	1.8	5
65	Common variants in the HLA-DQ region confer susceptibility to idiopathic achalasia. <i>Nature Genetics</i> , 2014, 46, 901-904.	21.4	104
66	Resection rectopexy"laparoscopic neuromapping reveals neurogenic pathways to the lower segment of the rectum: preliminary results. <i>Langenbeck's Archives of Surgery</i> , 2013, 398, 565-570.	1.9	4
67	Cold-start capability in virtual-reality laparoscopic camera navigation: a base for tailored training in undergraduates. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 2169-2177.	2.4	10
68	Intraoperative Monitoring of Bladder and Internal Anal Sphincter Innervation: A Predictor of Erectile Function following Low Anterior Rectal Resection for Rectal Cancer? Results of a Prospective Clinical Study. <i>Digestive Surgery</i> , 2013, 30, 459-465.	1.2	24
69	Is intraoperative neuromonitoring associated with better functional outcome in patients undergoing open TME?. <i>European Journal of Surgical Oncology</i> , 2013, 39, 994-999.	1.0	46
70	Individualisierte Chirurgie bei Rektumkarzinomen. , 2013, , 297-389.		0
71	A matched case-control" study of functional outcomes on rectal cancer patients undergoing surgery with or without intraoperative neuromonitoring. <i>Journal of the American College of Surgeons</i> , 2012, 215, S12-S13.	0.5	0
72	Total Mesorectal Excision"Does the Choice of Dissection Technique have an Impact on Pelvic Autonomic Nerve Preservation?. <i>Journal of Gastrointestinal Surgery</i> , 2012, 16, 1218-1224.	1.7	16

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73	Continuous intraoperative monitoring of autonomic nerves during low anterior rectal resection: an innovative approach for observation of functional nerve integrity in pelvic surgery. <i>Langenbeck's Archives of Surgery</i> , 2012, 397, 787-792.	1.9	6
74	Total Mesorectal Excision with Intraoperative Assessment of Internal Anal Sphincter Innervation Provides New Insights into Neurogenic Incontinence. <i>Journal of the American College of Surgeons</i> , 2012, 214, 306-312.	0.5	30
75	Intraoperative Neuromonitoring. , 2011, , 1043-1058.		8
76	Total mesorectal excision - does the choice of dissection technique have an impact on pelvic autonomic nerve preservation?. <i>Journal of the American College of Surgeons</i> , 2011, 213, S24.	0.5	0
77	Intraoperative pelvic nerve stimulation performed under continuous electromyography of the internal anal sphincter. <i>International Journal of Colorectal Disease</i> , 2010, 25, 1325-1331.	2.2	13
78	Continuous intraoperative monitoring of pelvic autonomic nerves as a microtechnological navigation instrument. <i>Journal of the American College of Surgeons</i> , 2010, 211, S24.	0.5	0
79	Local excision for more advanced rectal tumors. <i>Acta OncolÃ³gica</i> , 2008, 47, 1140-1147.	1.8	11
80	Incurable Esophageal Cancer: Patterns of Tumor Spread and Therapeutic Consequences. <i>World Journal of Surgery</i> , 2006, 30, 183-190.	1.6	17
81	Transhiatal and transthoracic resection in adenocarcinoma of the esophagus: does the operative approach have an influence on the long-term prognosis?. <i>World Journal of Surgical Oncology</i> , 2005, 3, 40.	1.9	32
82	Prospective Evaluation of Positron Emission Tomography in the Preoperative Staging of Esophageal Carcinoma. <i>Archives of Surgery</i> , 2004, 139, 1043.	2.2	34
83	Subtotal Esophageal Resection in Motility Disorders of the Esophagus. <i>Digestive Diseases</i> , 2004, 22, 396-401.	1.9	28
84	Intraoperative identification and neurophysiologic parameters to verify pelvic autonomic nerve function during total mesorectal excision for rectal cancer. <i>Journal of the American College of Surgeons</i> , 2004, 198, 59-66.	0.5	30
85	Laparoscopic Gastric Banding as a Universal Method for the Treatment of Patients with Morbid Obesity. <i>Obesity Surgery</i> , 2004, 14, 1123-1127.	2.1	16
86	Positron Emission Tomography for Staging Esophageal Cancer: Does It Lead to a Different Therapeutic Approach?. <i>World Journal of Surgery</i> , 2003, 27, 1105-1112.	1.6	53
87	T Cell Phenotype in Allergic Asthma and Atopic Dermatitis. <i>International Archives of Allergy and Immunology</i> , 2003, 131, 272-282.	2.1	35
88	Chirurgische Anatomie und neurophysiologische Parameter zur intraoperativen Identifikation und FunktionsprÃ¼fung autonomer Beckennerven bei TME wegen Rektumkarzinom. <i>Langenbecks Archiv FÃ¼r Chirurgie Supplement</i> , 2003, , 203-205.	0.0	2