

Keith L Obstein

List of Publications by Year in descending order

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54
papers

1,118
citations

394421

19
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414414

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all docs

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docs citations

54
times ranked

991
citing authors

#	ARTICLE	IF	CITATIONS
1	Rate of and Factors Associated with Palliative Care Referral among Patients Declined for Liver Transplantation. <i>Journal of Palliative Medicine</i> , 2022, 25, 1404-1408.	1.1	5
2	Active Stabilization of Interventional Tasks Utilizing a Magnetically Manipulated Endoscope. <i>Frontiers in Robotics and AI</i> , 2022, 9, 854081.	3.2	3
3	Robotic Autonomy for Magnetic Endoscope Biopsy. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2022, 4, 599-607.	3.2	6
4	Enteral Stents for Malignant Gastric Outlet Obstruction: Low Reintervention Rates for Obstruction due to Pancreatic Adenocarcinoma Versus Other Etiologies. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 720-727.	1.7	8
5	Magnetic flexible endoscope for colonoscopy: an initial learning curve analysis. <i>Endoscopy International Open</i> , 2021, 09, E171-E180.	1.8	10
6	Guidelines for Robotic Flexible Endoscopy at the Time of COVID-19. <i>Frontiers in Robotics and AI</i> , 2021, 8, 612852.	3.2	10
7	Closed-loop control of soft continuum manipulators under tip follower actuation. <i>International Journal of Robotics Research</i> , 2021, 40, 923-938.	8.5	30
8	An Origami-Based Soft Robotic Actuator for Upper Gastrointestinal Endoscopic Applications. <i>Frontiers in Robotics and AI</i> , 2021, 8, 664720.	3.2	17
9	All tied up: not your typical distended abdomen. <i>Gastroenterology</i> , 2021, , .	1.3	0
10	Development of gastroenterology and transplant hepatology milestones 2.0: a guide for programs, faculty, and fellows. <i>American Journal of Gastroenterology</i> , 2021, Publish Ahead of Print, 2009-2013.	0.4	1
11	Development of Gastroenterology and Transplant Hepatology Milestones 2.0: A Guide For Programs, Faculty, and Fellows. <i>Hepatology</i> , 2021, 74, 2226-2232.	7.3	2
12	Development of gastroenterology and transplant hepatology milestones 2.0: a guide for programs, faculty, and fellows. <i>Gastrointestinal Endoscopy</i> , 2021, 94, 665-670.	1.0	0
13	Development of Gastroenterology and Transplant Hepatology Milestones 2.0: A Guide for Programs, Faculty, and Fellows. <i>Gastroenterology</i> , 2021, 161, 1318-1324.	1.3	0
14	Enabling the future of colonoscopy with intelligent and autonomous magnetic manipulation. <i>Nature Machine Intelligence</i> , 2020, 2, 595-606.	16.0	113
15	Parallel Helix Actuators for Soft Robotic Applications. <i>Frontiers in Robotics and AI</i> , 2020, 7, 119.	3.2	8
16	Teleoperation and Contact Detection of a Waterjet-Actuated Soft Continuum Manipulator for Low-Cost Gastroscopy. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 6427-6434.	5.1	15
17	Su1351 THE MAGNETIC FLEXIBLE ENDOSCOPE (MFE): A LEARNING CURVE ANALYSIS. <i>Gastroenterology</i> , 2020, 158, S-561.	1.3	1
18	A Compression Valve for Sanitary Control of Fluid-Driven Actuators. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1005-1015.	5.8	7

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19	Online Disturbance Estimation for Improving Kinematic Accuracy in Continuum Manipulators. IEEE Robotics and Automation Letters, 2020, 5, 2642-2649.	5.1	16
20	The waterjet necrosectomy device for endoscopic management of pancreatic necrosis: design, development, and preclinical testing (with videos). Gastrointestinal Endoscopy, 2020, 92, 770-775.	1.0	7
21	The impact of distraction minimization on endoscopic mentoring and performance. Endoscopy International Open, 2020, 08, E1804-E1810.	1.8	1
22	Sensorless Estimation of the Planar Distal Shape of a Tip-Actuated Endoscope. IEEE Robotics and Automation Letters, 2019, 4, 3371-3377.	5.1	3
23	Adaptive Dynamic Control for Magnetically Actuated Medical Robots. IEEE Robotics and Automation Letters, 2019, 4, 3633-3640.	5.1	41
24	Competency in esophagogastroduodenoscopy: a validated tool for assessment and generalizable benchmarks for gastroenterology fellows. Gastrointestinal Endoscopy, 2019, 90, 613-620.e1.	1.0	27
25	Intelligent magnetic manipulation for gastrointestinal ultrasound. Science Robotics, 2019, 4, .	17.6	77
26	Sensitivity Ellipsoids for Force Control of Magnetic Robots With Localization Uncertainty. IEEE Transactions on Robotics, 2019, 35, 1123-1135.	10.3	7
27	Evaluation of a novel low-cost disposable endoscope for visual assessment of the esophagus and stomach in an ex-vivo phantom model. Endoscopy International Open, 2019, 07, E1175-E1183.	1.8	7
28	Magnetic Levitation for Soft-Tethered Capsule Colonoscopy Actuated With a Single Permanent Magnet: A Dynamic Control Approach. IEEE Robotics and Automation Letters, 2019, 4, 1224-1231.	5.1	83
29	Explicit Model Predictive Control of a Magnetic Flexible Endoscope. IEEE Robotics and Automation Letters, 2019, 4, 716-723.	5.1	21
30	Dual-Continuum Design Approach for Intuitive and Low-Cost Upper Gastrointestinal Endoscopy. IEEE Transactions on Biomedical Engineering, 2019, 66, 1963-1974.	4.2	31
31	Autonomously Controlled Magnetic Flexible Endoscope for Colon Exploration. Gastroenterology, 2018, 154, 1577-1579.e1.	1.3	24
32	Toward Autonomous Robotic Colonoscopy: Motion Strategies for Magnetic Capsule Navigation. , 2018, , .		2
33	Enhanced real-time pose estimation for closed-loop robotic manipulation of magnetically actuated capsule endoscopes. International Journal of Robotics Research, 2018, 37, 890-911.	8.5	94
34	A disposable continuum endoscope using piston-driven parallel bellow actuator. , 2018, , .		19
35	ROBOTIC CAPSULE ENDOSCOPY. , 2018, , 451-470.		0
36	Gastric Cancer Screening in Low-Income Countries: System Design, Fabrication, and Analysis for an Ultralow-Cost Endoscopy Procedure. IEEE Robotics and Automation Magazine, 2017, 24, 73-81.	2.0	18

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37	Autonomous Retroflexion of a Magnetic Flexible Endoscope. IEEE Robotics and Automation Letters, 2017, 2, 1352-1359.	5.1	35
38	Su1180 Evaluation of a Novel Disposable Upper Endoscope for Unsedated Bedside (Non-Endoscopy Unit) Tj ETQq0 0 0 rgBT /Overlock 1 AB304.	1.0	1
39	Evaluation of a novel tablet application for improvement in colonoscopy training and mentoring (with video). Gastrointestinal Endoscopy, 2017, 85, 559-565.e1.	1.0	7
40	Towards Recovering a Lost Degree of Freedom in Magnet-Driven Robotic Capsule Endoscopy. , 2017, , .		1
41	Nonholonomic closed-loop velocity control of a soft-tethered magnetic capsule endoscope. , 2016, 2016, 1139-1144.		19
42	Video on Diet Before Outpatient Colonoscopy Does Not Improve Quality of Bowel Preparation: A Prospective, Randomized, Controlled Trial. American Journal of Gastroenterology, 2016, 111, 1564-1571.	0.4	28
43	Restoring Haptic Feedback in NOTES Procedures with a Novel Wireless Tissue Stiffness Probe. Journal of Medical Robotics Research, 2016, 01, 1650002.	1.2	2
44	Reliability of the Boston Bowel Preparation Scale in the Endoscopy Nurse Population. Clinical Gastroenterology and Hepatology, 2016, 14, 775-776.	4.4	6
45	Providing Hospitalized Patients With an Educational Booklet Increases the Quality of Colonoscopy Bowel Preparation. Clinical Gastroenterology and Hepatology, 2016, 14, 858-864.	4.4	39
46	Closed Loop Control of a Tethered Magnetic Capsule Endoscope. , 2016, 2016, .		20
47	Capsule endoscopy of the future: Whatâ€™s on the horizon?. World Journal of Gastroenterology, 2015, 21, 10528.	3.3	47
48	A Platform for Gastric Cancer Screening in Low- and Middle-Income Countries. IEEE Transactions on Biomedical Engineering, 2015, 62, 1324-1332.	4.2	28
49	Emerging issues and future developments in capsule endoscopy. Techniques in Gastrointestinal Endoscopy, 2015, 17, 40-46.	0.3	50
50	Controlled colonic insufflation by a remotely triggered capsule for improved mucosal visualization. Endoscopy, 2014, 46, 614-618.	1.8	13
51	Advanced endoscopic technologies for colorectal cancer screening. World Journal of Gastroenterology, 2013, 19, 431.	3.3	28
52	Evaluation of colonoscopy technical skill levels by use of an objective kinematic-based system. Gastrointestinal Endoscopy, 2011, 73, 315-321.e1.	1.0	42
53	Endoscopic ultrasound-guided celiac plexus neurolysis using a reverse phase polymer. World Journal of Gastroenterology, 2010, 16, 728.	3.3	7
54	Endoscopy after bariatric surgery (with videos). Gastrointestinal Endoscopy, 2009, 70, 1161-1166.	1.0	31