

# Michael Hughes

## List of Publications by Year in descending order

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26  
papers

420  
citations

840776

11  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endoscopic en-face optical coherence tomography and fluorescence imaging using correlation-based probe tracking. <i>Biomedical Optics Express</i> , 2022, 13, 761.	2.9	3
2	Reduced motion artifacts and speed improvements in enhanced line-scanning fiber bundle endomicroscopy. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	3
3	Inline holographic microscopy through fiber imaging bundles. <i>Applied Optics</i> , 2021, 60, A1.	1.8	5
4	Direct en-face, speckle-reduced images using angular-compounded Masterâ€Slave optical coherence tomography. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 055302.	2.2	1
5	Automatic motion compensation for structured illumination endomicroscopy using a flexible fiber bundle. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	3
6	Intraoperative Robotic-Assisted Large-Area High-Speed Microscopic Imaging and Intervention. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 208-216.	4.2	26
7	Fiber bundle shifting endomicroscopy for high-resolution imaging. <i>Biomedical Optics Express</i> , 2018, 9, 4649.	2.9	31
8	Flexible Robotic Scanning Device for Intraoperative Endomicroscopy in MIS. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 1728-1735.	5.8	13
9	Methylene-blue aided rapid confocal laser endomicroscopy of breast cancer. <i>Journal of Biomedical Optics</i> , 2017, 22, 020501.	2.6	6
10	From Macro to Micro: Autonomous Multiscale Image Fusion for Robotic Surgery. <i>IEEE Robotics and Automation Magazine</i> , 2017, 24, 63-72.	2.0	17
11	Three-dimensional robotic-assisted endomicroscopy with a force adaptive robotic arm. , 2017, , .		11
12	Autonomous scanning for endomicroscopic mosaicing and 3D fusion. , 2017, , .		27
13	A balloon endomicroscopy scanning device for diagnosing barrett's oesophagus. , 2017, , .		2
14	The potential role of optical biopsy in the study and diagnosis of environmental enteric dysfunction. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 727-738.	17.8	20
15	Fiber-shifting endomicroscopy for enhanced resolution imaging. , 2017, , .		0
16	Line-scanning fiber bundle endomicroscopy with a virtual detector slit. <i>Biomedical Optics Express</i> , 2016, 7, 2257.	2.9	34
17	Novel Balloon Surface Scanning Device for Intraoperative Breast Endomicroscopy. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2313-2326.	2.5	18
18	A miniaturised robotic probe for real-time intraoperative fusion of ultrasound and endomicroscopy. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	Force adaptive robotically assisted endomicroscopy for intraoperative tumour identification. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 825-832.	2.8	20
20	A hand-held flexible mechatronic device for arthroscopy. , 2015, , .		10
21	High speed, line-scanning, fiber bundle fluorescence confocal endomicroscopy for improved mosaicking. Biomedical Optics Express, 2015, 6, 1241.	2.9	30
22	Development of a large area scanner for intraoperative breast endomicroscopy. , 2014, , .		5
23	Color reflectance fiber bundle endomicroscopy without back-reflections. Journal of Biomedical Optics, 2014, 19, 030501.	2.6	11
24	Fiber bundle endocytoscopy. Biomedical Optics Express, 2013, 4, 2781.	2.9	59
25	Robotics and smart instruments for translating endomicroscopy to in situ, in vivo applications. Computerized Medical Imaging and Graphics, 2012, 36, 589-590.	5.8	4
26	Speckle noise reduction in optical coherence tomography of paint layers. Applied Optics, 2010, 49, 99.	2.1	52