Giju Thomas Mbbs

List of Publications by Year
in descending order

37 papers	614 citations	687363 13 h-index	610901 24 g-index
37 all docs	37 docs citations	37 times ranked	705 citing authors

#	Article	IF	Citations
1	InÂvivo Raman spectroscopy monitors cervical change during labor. American Journal of Obstetrics and Gynecology, 2022, 227, 275.e1-275.e14.	1.3	6
2	Current state of intraoperative use of near infrared fluorescence for parathyroid identification and preservation. Surgery, 2021, 169, 868-878.	1.9	67
3	Development of an imaging device for labelâ€free parathyroid gland identification and vascularity assessment. Journal of Biophotonics, 2021, 14, e202100008.	2.3	10
4	A multimodal imaging system for label-free parathyroid gland identification and vascularity assessment. , 2021, , .		0
5	Assessing a fiber probe-based approach to detect near infrared fluorescence for identifying and preserving parathyroid glands during neck surgeries. , 2021, , .		0
6	Initial clinical experiences using the intraoperative probeâ€based parathyroid autofluorescence identification systemâ€”PTeyeâ„¢ during thyroid and parathyroid procedures. Journal of Surgical Oncology, 2021, 124, 271-281.	1.7	20
7	Comparing intraoperative parathyroid identification based on surgeon experience versus near infrared autofluorescence detection â€“ A surgeon-blinded multi-centric study. American Journal of Surgery, 2021, 222, 944-951.	1.8	16
8	Assessing Intraoperative Laser Speckle Contrast Imaging of Parathyroid Glands in Relation to Total Thyroidectomy Patient Outcomes. Thyroid, 2021, 31, 1558-1565.	4.5	7
9	Detecting the Near Infrared Autofluorescence of the Human Parathyroid. Annals of Surgery, 2020, 272, 973-985.	4.2	56
10	Probing metabolic alterations in breast cancer in response to molecular inhibitors with Raman spectroscopy and validated with mass spectrometry. Chemical Science, 2020, 11, 9863-9874.	7.4	16
11	Novel Insights Into Tissue-Specific Biochemical Alterations in Pediatric Eosinophilic Esophagitis Using Raman Spectroscopy. Clinical and Translational Gastroenterology, 2020, 11, e00195.	2.5	3
12	Feature Selection and Rapid Characterization of Bloodstains on Different Substrates. Applied Spectroscopy, 2020, 74, 1238-1251.	2.2	14
13	NIR Autofluorescence: Molecular Origins and Emerging Clinical Applications. , 2020, , 21-47.		2
14	Applying a Fiber Probe-based Approach for Identifying Parathyroid Glands and Assessing its Vascularity During Neck Surgeries. , 2020, , .		1
15	Nonlinear optical microscopy of lipogenesis and metabolism in HER2+ breast cancer (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock		0
16	Imaging or Fiber Probe-Based Approach? Assessing Different Methods to Detect Near Infrared Autofluorescence for Intraoperative Parathyroid Identification. Journal of the American College of Surgeons, 2019, 229, 596-608e3.	0.5	25
17	Clinical translational application of Raman spectroscopy to advance Benchside biochemical characterization to bedside diagnosis of esophageal diseases. Journal of Gastroenterology and Hepatology (Australia), 2019, 34, 1911-1921.	2.8	10
18	Enhancing Parathyroid Gland Visualization Using a Near Infrared Fluorescence-Based Overlay Imaging System. Journal of the American College of Surgeons, 2019, 228, 730-743.	0.5	30

#	Article	IF	Citations
19	Innovative surgical guidance for label-free real-time parathyroid identification. Surgery, 2019, 165, 114-123.	1.9	43
20	A combined autofluorescence and laser speckle contrast imaging system for parathyroid surgical guidance (Conference Presentation). , 2019, , .		2
21	Navigating the leap from lab to market for a parathyroid identification device: an academicâ€™s perspective (Conference Presentation). , 2019, , .		0
22	InÂvivo Raman spectroscopy for biochemical monitoring ofÂthe human cervix throughout pregnancy. American Journal of Obstetrics and Gynecology, 2018, 218, 528.e1-528.e18.	1.3	29
23	Beyond the H&E: Advanced Technologies for in situ Tissue Biomarker Imaging. ILAR Journal, 2018, 59, 51-65.	1.8	10
24	Sa1126 - Feasibility, Safety, and Utility of a Novel Fiberoptic Raman Spectroscopy Probe for Real-Time, In Vivo Identification of Eosinophilic Esophagitis in Children: Interim Analysis. Gastroenterology, 2018, 154, S-249-S-250.	1.3	2
25	Developing a Clinical Prototype to Guide Surgeons for Intraoperative Label-Free Identification of Parathyroid Glands in Real Time. Thyroid, 2018, 28, 1517-1531.	4.5	54
26	Development of a modular fluorescence overlay tissue imaging system for wide-field intraoperative surgical guidance. Journal of Medical Imaging, 2018, 5, 1.	1.5	7
27	Studying skin tumourigenesis and progression in immunocompetent hairless SKH1-hr mice using chronic 7,12-dimethylbenz(a)anthracene topical applications to develop a useful experimental skin cancer model. Laboratory Animals, 2017, 51, 24-35.	1.0	12
28	Intraoperative Assessment of Parathyroid Viability using Laser Speckle Contrast Imaging. Scientific Reports, 2017, 7, 14798.	3.3	36
29	Real-Time Identification of In Situ Pulmonary Nodule and Pathology Using Optical Coherence Tomography. Journal of the American College of Surgeons, 2017, 225, e63.	0.5	0
30	Evaluating feasibility of an automated 3-dimensional scanner using Raman spectroscopy for intraoperative breast margin assessment. Scientific Reports, 2017, 7, 13548.	3.3	45
31	Intraoperative detection of parathyroid gland perfusion during endocrine surgeries (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock		0
32	Identifying the novel endogenous near-infrared fluorophore within parathyroid and other endocrine tissues. , 2016, , .		7
33	In vivononlinear optical imaging to monitor early microscopic changes in a murine cutaneous squamous cell carcinoma model. Journal of Biophotonics, 2015, 8, 668-680.	2.3	5
34	In vivo nonlinear spectral imaging as a tool to monitor early spectroscopic and metabolic changes in a murine cutaneous squamous cell carcinoma model. Biomedical Optics Express, 2014, 5, 4281.	2.9	7
35	Estimating the risk of squamous cell cancer induction in skin following nonlinear optical imaging. Journal of Biophotonics, 2014, 7, 492-505.	2.3	6
36	Advances and challenges in label-free nonlinear optical imaging using two-photon excitation fluorescence and second harmonic generation for cancer research. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 128-138.	3.8	52

#	Article	IF	Citations
37	Carcinogenic damage to deoxyribonucleic acid is induced by near-infrared laser pulses in multiphoton microscopy via combination of two- and three-photon absorption. Journal of Biomedical Optics, 2012, 17, 116024.	2.6	14