

Kan Lin

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,368
citations

304743

22
h-index

477307

29
g-index

35
all docs

35
docs citations

35
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Raman spectroscopy and trimodal wide-field imaging techniques for real-time in vivo tissue Raman measurements at endoscopy. <i>Optics Letters</i> , 2009, 34, 758.	3.3	120
2	<i>In vivo</i> diagnosis of gastric cancer using Raman endoscopy and ant colony optimization techniques. <i>International Journal of Cancer</i> , 2011, 128, 2673-2680.	5.1	97
3	Characterizing variability in in vivo Raman spectra of different anatomical locations in the upper gastrointestinal tract toward cancer detection. <i>Journal of Biomedical Optics</i> , 2011, 16, 037003.	2.6	94
4	In vivo detection of epithelial neoplasia in the stomach using image-guided Raman endoscopy. <i>Biosensors and Bioelectronics</i> , 2010, 26, 383-389.	10.1	90
5	Combining near-infrared-excited autofluorescence and Raman spectroscopy improves in vivo diagnosis of gastric cancer. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4104-4110.	10.1	89
6	Raman endoscopy for in vivo differentiation between benign and malignant ulcers in the stomach. <i>Analyst</i> , 2010, 135, 3162.	3.5	86
7	Simultaneous fingerprint and high-wavenumber fiber-optic Raman spectroscopy enhances real-time <i>in vivo</i> diagnosis of adenomatous polyps during colonoscopy. <i>Journal of Biophotonics</i> , 2016, 9, 333-342.	2.3	79
8	In vivo early diagnosis of gastric dysplasia using narrow-band image-guided Raman endoscopy. <i>Journal of Biomedical Optics</i> , 2010, 15, 037017.	2.6	77
9	Optical diagnosis of laryngeal cancer using high wavenumber Raman spectroscopy. <i>Biosensors and Bioelectronics</i> , 2012, 35, 213-217.	10.1	66
10	Characterizing Variability of In Vivo Raman Spectroscopic Properties of Different Anatomical Sites of Normal Colorectal Tissue towards Cancer Diagnosis at Colonoscopy. <i>Analytical Chemistry</i> , 2015, 87, 960-966.	6.5	62
11	Simultaneous fingerprint and high-wavenumber fiber-optic Raman spectroscopy improves in vivo diagnosis of esophageal squamous cell carcinoma at endoscopy. <i>Scientific Reports</i> , 2015, 5, 12957.	3.3	46
12	Real-time In vivo Diagnosis of Nasopharyngeal Carcinoma Using Rapid Fiber-Optic Raman Spectroscopy. <i>Theranostics</i> , 2017, 7, 3517-3526.	10.0	46
13	Rapid Fiber-optic Raman Spectroscopy for Real-Time <i>In Vivo</i> Detection of Gastric Intestinal Metaplasia during Clinical Gastroscopy. <i>Cancer Prevention Research</i> , 2016, 9, 476-483.	1.5	45
14	Comparative study of the endoscope-based bevelled and volume fiber-optic Raman probes for optical diagnosis of gastric dysplasia in vivo at endoscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8303-8310.	3.7	40
15	Epi-Detected Hyperspectral Stimulated Raman Scattering Microscopy for Label-Free Molecular Subtyping of Glioblastomas. <i>Analytical Chemistry</i> , 2018, 90, 10249-10255.	6.5	36
16	Real-time in vivo diagnosis of laryngeal carcinoma with rapid fiber-optic Raman spectroscopy. <i>Biomedical Optics Express</i> , 2016, 7, 3705.	2.9	33
17	Fiber-optic Raman spectroscopy for in vivo diagnosis of gastric dysplasia. <i>Faraday Discussions</i> , 2016, 187, 377-392.	3.2	33
18	<i>In vivo</i> , real-time, transnasal, image-guided Raman endoscopy: defining spectral properties in the nasopharynx and larynx. <i>Journal of Biomedical Optics</i> , 2012, 17, 0770021.	2.6	32

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19	Advances in real-time fiber-optic Raman spectroscopy for early cancer diagnosis: Pushing the frontier into clinical endoscopic applications. <i>Translational Biophotonics</i> , 2021, 3, e202000018.	2.7	32
20	Fiber-Optic Raman Spectroscopy with Nature-Inspired Genetic Algorithms Enhances Real-Time in Vivo Detection and Diagnosis of Nasopharyngeal Carcinoma. <i>Analytical Chemistry</i> , 2019, 91, 8101-8108.	6.5	31
21	Integrated Mueller-matrix near-infrared imaging and point-wise spectroscopy improves colonic cancer detection. <i>Biomedical Optics Express</i> , 2016, 7, 1116.	2.9	25
22	Development of a hybrid Raman spectroscopy and optical coherence tomography technique for real-time in vivo tissue measurements. <i>Optics Letters</i> , 2016, 41, 3045.	3.3	25
23	Real time near-infrared Raman spectroscopy for the diagnosis of nasopharyngeal cancer. <i>Oncotarget</i> , 2017, 8, 49443-49450.	1.8	21
24	Deep Learning-Guided Fiberoptic Raman Spectroscopy Enables Real-Time <i>In Vivo</i> Diagnosis and Assessment of Nasopharyngeal Carcinoma and Post-treatment Efficacy during Endoscopy. <i>Analytical Chemistry</i> , 2021, 93, 10898-10906.	6.5	20
25	Label-Free Follow-Up Surveying of Post-Treatment Efficacy and Recurrence in Nasopharyngeal Carcinoma Patients with Fiberoptic Raman Endoscopy. <i>Analytical Chemistry</i> , 2021, 93, 2053-2061.	6.5	14
26	Characterizing biochemical and morphological variations of clinically relevant anatomical locations of oral tissue in vivo with hybrid Raman spectroscopy and optical coherence tomography technique. <i>Journal of Biophotonics</i> , 2018, 11, e201700113.	2.3	12
27	Integrated autofluorescence endoscopic imaging and point-wise spectroscopy for real-time in vivo tissue measurements. <i>Journal of Biomedical Optics</i> , 2010, 15, 1.	2.6	9
28	In vivo Raman spectroscopy integrated with multimodal endoscopic imaging for early diagnosis of gastric dysplasia. , 2010, , .		3
29	Simultaneous fingerprint and high-wavenumber fiber-optic Raman endoscopy for <i>in vivo</i> diagnosis of laryngeal cancer. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
30	Optical coherence tomography-guided confocal Raman microspectroscopy for rapid measurements in tissues. <i>Biomedical Optics Express</i> , 2022, 13, 344.	2.9	2
31	Multimodal endoscopic imaging and Raman spectroscopy for improving in vivo diagnosis of gastric malignancies during clinical gastroscopy. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
32	Image-Guided Raman Spectroscopy For In Vivo Diagnosis of Gastric Precancer At Gastroscopy. , 2010, , .		0
33	Detection of malignant lesions in vivo in the upper gastrointestinal tract using image-guided Raman endoscopy. , 2012, , .		0
34	A novel broadband Raman endoscopy for <i>in vivo</i> diagnosis of intestinal metaplasia in the stomach. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
35	Endoscope-based beveled and volume fiber-optic Raman probes for in vivo diagnosis of gastric dysplasia: a comparative study. , 2016, , .		0