Rebecca R Richards-Kortum

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8305129/publications.pdf

Version: 2024-02-01

458 papers	22,479 citations	7096 78 h-index	13771 129 g-index
465 all docs	465 docs citations	465 times ranked	14768 citing authors

#	Article	IF	Citations
1	National scale of neonatal CPAP to district hospitals in Malawi improves survival for neonates weighing between 1.0 and 1.3 kg. Archives of Disease in Childhood, 2022, 107, 553-557.	1.9	1
2	Hands-On Training Courses for Cervical Cancer Screening, Diagnosis, and Treatment Procedures in Low- and Middle-Income Countries. JCO Global Oncology, 2022, 8, e2100214.	1.8	7
3	Sample-to-answer, extraction-free, real-time RT-LAMP test for SARS-CoV-2 in nasopharyngeal, nasal, and saliva samples: Implications and use for surveillance testing. PLoS ONE, 2022, 17, e0264130.	2.5	18
4	A neonatal ward-strengthening program improves survival for neonates treated with CPAP at district hospitals in Malawi. PLOS Global Public Health, 2022, 2, e0000195.	1.6	0
5	In vivo lensless microscopy via a phase mask generating diffraction patterns with high-contrast contours. Nature Biomedical Engineering, 2022, 6, 617-628.	22.5	35
6	Multi-task network for automated analysis of high-resolution endomicroscopy images to detect cervical precancer and cancer. Computerized Medical Imaging and Graphics, 2022, 97, 102052.	5.8	11
7	Advances in optical gastrointestinal endoscopy: a technical review. Molecular Oncology, 2021, 15, 2580-2599.	4.6	26
8	Automated software-assisted diagnosis of esophageal squamous cell neoplasia using high-resolution microendoscopy. Gastrointestinal Endoscopy, 2021, 93, 831-838.e2.	1.0	7
9	Initial Results of First In Vivo Imaging of Bladder Lesions Using a High-Resolution Confocal Microendoscope. Journal of Endourology, 2021, 35, 1190-1197.	2.1	1
10	Cervical cancer prevention in El Salvador: A prospective evaluation of screening and triage strategies incorporating highâ€resolution microendoscopy to detect cervical precancer. International Journal of Cancer, 2021, 148, 2571-2578.	5.1	9
11	American Society of Clinical Oncology (ASCO) Cervical Cancer Prevention Program: A Hands-On Training Course in Nepal. JCO Global Oncology, 2021, 7, 204-209.	1.8	4
12	Open-Source Miniature Fluorimeter to Monitor Real-Time Isothermal Nucleic Acid Amplification Reactions in Resource-Limited Settings. Journal of Visualized Experiments, 2021, , .	0.3	3
13	A low-cost bilirubin measurement tool for neonatal jaundice monitoring at the point-of-care: a comparison of BiliDx with a standard laboratory bilirubinometer and transcutaneous bilirubinometer. The Lancet Global Health, 2021, 9, S23.	6.3	1
14	Allele-Specific Recombinase Polymerase Amplification to Detect Sickle Cell Disease in Low-Resource Settings. Analytical Chemistry, 2021, 93, 4832-4840.	6.5	19
15	Real-time isothermal nucleic acid amplification detection in resource-limited settings: a description of an open-source miniature fluorimeter. The Lancet Global Health, 2021, 9, S6.	6.3	1
16	Allele-specific recombinase polymerase amplification for real-time detection of sickle cell anaemia in low-resource settings: evaluation of an isothermal nucleic acid amplification test to detect the Î²S globin point mutation in paediatric patients. The Lancet Global Health, 2021, 9, S13.	6.3	0
17	Reverse transcription loop-mediated isothermal amplification (RT-LAMP) for point-of-care detection of SARS-CoV-2: a clinical study to evaluate agreement with RT-qPCR. The Lancet Global Health, 2021, 9, S3.	6.3	4
18	Reply to: Comments on Cervical cancer prevention in El Salvador: A prospective evaluation of screening and triage strategies incorporating highâ€resolution microendoscopy to detect cervical precancer. International Journal of Cancer, 2021, 149, 969-971.	5.1	0

#	Article	IF	Citations
19	Cervical lesion assessment using realâ€time microendoscopy image analysis in Brazil: The <scp>CLARA</scp> study. International Journal of Cancer, 2021, 149, 431-441.	5.1	12
20	High frame rate video mosaicking microendoscope to image large regions of intact tissue with subcellular resolution. Biomedical Optics Express, 2021, 12, 2800.	2.9	5
21	CRISPR-Based Electrochemical Sensor Permits Sensitive and Specific Viral Detection in Low-Resource Settings. ACS Central Science, 2021, 7, 926-928.	11.3	10
22	Evaluation of the LeukoScope for Point-of-Care Measurement of White Blood Cell and Neutrophil Counts in Malawi. Annals of Biomedical Engineering, 2021, 49, 2566-2578.	2.5	1
23	Improving Performance of a SARS-CoV-2 RT-LAMP Assay for Use With a Portable Isothermal Fluorimeter: Towards a Point-of-Care Molecular Testing Strategy. Journal of Biomolecular Techniques, 2021, 32, 180-185.	1.5	7
24	Prospective evaluation of oral premalignant lesions using a multimodal imaging system: a pilot study. Head and Neck, 2020, 42, 171-179.	2.0	9
25	Using a peer mentorship approach improved the use of neonatal continuous positive airway pressure and related outcomes in Malawi. Acta Paediatrica, International Journal of Paediatrics, 2020, 109, 705-710.	1.5	13
26	Evaluation of a continuous neonatal temperature monitor for low-resource settings: a device feasibility pilot study. BMJ Paediatrics Open, 2020, 4, e000655.	1.4	2
27	Deep learning extended depth-of-field microscope for fast and slide-free histology. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 33051-33060.	7.1	42
28	A PIK3CA transgenic mouse model with chemical carcinogen exposure mimics human oral tongue tumorigenesis. International Journal of Experimental Pathology, 2020, 101, 45-54.	1.3	7
29	Development of Low-Cost Point-of-Care Technologies for Cervical Cancer Prevention Based on a Single-Board Computer. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-10.	3.7	18
30	In vivo imaging of cervical precancer using a low-cost and easy-to-use confocal microendoscope. Biomedical Optics Express, 2020, 11, 269.	2.9	11
31	Integrated Multimodal Optical Imaging for Automated Real-Time Clinical Evaluation of Oral Lesions. , 2020, , .		1
32	Design and evaluation of a low-cost sphygmomanometer to monitor women with pre-eclampsia in low-resource settings. Global Health Innovation, 2020, 3, 1-14.	0.5	0
33	In vitro comparison of performance including imposed work of breathing of CPAP systems used in low-resource settings. PLoS ONE, 2020, 15, e0242590.	2.5	4
34	Real-Time, In Vivo Projection of High-Risk Maps for Oral Biopsy Guidance. , 2020, , .		0
35	Algorithm to quantify nuclear features and confidence intervals for classification of oral neoplasia from high-resolution optical images. Journal of Medical Imaging, 2020, 7, 054502.	1.5	4
36	Advances in technologies for cervical cancer detection in low-resource settings. Expert Review of Molecular Diagnostics, 2019, 19, 695-714.	3.1	25

#	Article	IF	Citations
37	Low-cost, high-resolution imaging for detecting cervical precancer in medically-underserved areas of Texas. Gynecologic Oncology, 2019, 154, 558-564.	1.4	15
38	Clinical training and validation of the LeukoScope: a low-cost, point-of-care device to perform white blood cell and neutrophil counts. RSC Advances, 2019, 9, 27324-27333.	3.6	4
39	Neonatal CPAP for Respiratory Distress Across Malawi and Mortality. Pediatrics, 2019, 144, .	2.1	22
40	Low-Cost Instructional Apparatus to Improve Training for Cervical Cancer Screening and Prevention. Obstetrics and Gynecology, 2019, 133, 559-567.	2.4	11
41	A mobile-phone based high-resolution microendoscope to image cervical precancer. PLoS ONE, 2019, 14, e0211045.	2.5	13
42	Autofluorescence Imaging to Monitor the Progression of Oral Potentially Malignant Disorders. Cancer Prevention Research, 2019, 12, 791-800.	1.5	10
43	Development of an integrated multimodal optical imaging system with real-time image analysis for the evaluation of oral premalignant lesions. Journal of Biomedical Optics, 2019, 24, 1.	2.6	14
44	Toward development of a large field-of-view cancer screening patch (CASP) to detect cervical intraepithelial neoplasia. Biomedical Optics Express, 2019, 10, 6145.	2.9	3
45	Improving nuclear morphometry imaging with real-time and low-cost line-scanning confocal microendoscope. Optics Letters, 2019, 44, 654.	3.3	7
46	Design of Epifluorescence Cervical Cancer Patch to Screen across Large Field-of-View. , 2019, , .		0
47	Simple differential digital confocal aperture to improve axial response of line-scanning confocal microendoscopes. Optics Letters, 2019, 44, 4519.	3.3	5
48	Diagnosing Cervical Neoplasia in Rural Brazil Using a Mobile Van Equipped with In Vivo Microscopy: A Cluster-Randomized Community Trial. Cancer Prevention Research, 2018, 11, 359-370.	1.5	25
49	Advances in Point-of-Care Diagnostics for Infectious Disease. , 2018, , 1-21.		0
50	Optical imaging with a high-resolution microendoscope to identify sinonasal pathology. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2018, 39, 383-387.	1.3	3
51	Noninvasive diagnostic adjuncts for the evaluation of potentially premalignant oral epithelial lesions: current limitations and future directions. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2018, 125, 670-681.	0.4	60
52	Paper-based detection of HIV-1 drug resistance using isothermal amplification and an oligonucleotide ligation assay. Analytical Biochemistry, 2018, 544, 64-71.	2.4	21
53	Development of a universal, tunable, miniature fluorescence microscope for use at the point of care. Biomedical Optics Express, 2018, 9, 1041.	2.9	8
54	Is Proflavine Exposure Associated with Disease Progression in Women with Cervical Dysplasia? A Brief Report. Photochemistry and Photobiology, 2018, 94, 1308-1313.	2.5	14

#	Article	IF	Citations
55	In Vivo Multimodal Optical Imaging: Improved Detection of Oral Dysplasia in Low-Risk Oral Mucosal Lesions. Cancer Prevention Research, 2018, 11, 465-476.	1.5	13
56	Quantitative analysis of in vivo high-resolution microendoscopic images for the detection of neoplastic colorectal polyps. Journal of Biomedical Optics, 2018, 23, 1.	2.6	5
57	Impact of hypothermia on implementation of CPAP for neonatal respiratory distress syndrome in a low-resource setting. PLoS ONE, 2018, 13, e0194144.	2.5	16
58	High-resolution microendoscopy: a point-of-care diagnostic for cervical dysplasia in low-resource settings. European Journal of Cancer Prevention, 2017, 26, 63-70.	1.3	25
59	Diagnostics for global health: Hand-spun centrifuge. Nature Biomedical Engineering, 2017, 1, .	22.5	2
60	Prospective Evaluation of Multimodal Optical Imaging with Automated Image Analysis to Detect Oral Neoplasia In Vivo. Cancer Prevention Research, 2017, 10, 563-570.	1.5	20
61	Point-of-care diagnostics to improve maternal and neonatal health in low-resource settings. Lab on A Chip, 2017, 17, 3351-3387.	6.0	39
62	The potential role of optical biopsy in the study and diagnosis of environmental enteric dysfunction. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 727-738.	17.8	20
63	Diagnosing Postpartum Hemorrhage: A New Way to Assess Blood Loss in a Low-Resource Setting. Maternal and Child Health Journal, 2017, 21, 516-523.	1.5	9
64	Development of a multimodal foveated endomicroscope for the detection of oral cancer. Biomedical Optics Express, 2017, 8, 1525.	2.9	16
65	Fibre Optic Probes in Optical Spectroscopy, Clinical Applications. , 2017, , 603-617.		0
66	Tools To Reduce Newborn Deaths In Africa. Health Affairs, 2017, 36, 2019-2022.	5.2	3
67	Towards a point-of-care strip test to diagnose sickle cell anemia. PLoS ONE, 2017, 12, e0177732.	2.5	21
68	Towards a needle-free diagnosis of malaria: in vivo identification and classification of red and white blood cells containing haemozoin. Malaria Journal, 2017, 16, 447.	2.3	14
69	Point-of-care device to diagnose and monitor neonatal jaundice in low-resource settings. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10965-E10971.	7.1	43
70	Line-scanning confocal microendoscope for nuclear morphometry imaging. Journal of Biomedical Optics, 2017, 22, 1.	2.6	13
71	Physical and chemical stability of proflavine contrast agent solutions for early detection of oral cancer. Journal of Oncology Pharmacy Practice, 2016, 22, 21-25.	0.9	9
72	A tablet-interfaced high-resolution microendoscope with automated image interpretation for real-time evaluation of esophageal squamous cell neoplasia. Gastrointestinal Endoscopy, 2016, 84, 834-841.	1.0	68

#	Article	IF	Citations
73	A paper-based immunoassay to determine HPV vaccination status at the point-of-care. Vaccine, 2016, 34, 5656-5663.	3.8	10
74	Differential structured illumination microendoscopy for in vivo imaging of molecular contrast agents. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10769-10773.	7.1	23
75	Fluorescence and Reflectance Spectroscopy for Detection of Oral Dysplasia and Cancer. , 2016, , 431-449.		2
76	Miniature objective lens for array digital pathology: design improvement based on clinical evaluation. Proceedings of SPIE, 2016, , .	0.8	0
77	Confocal fluorescence microscopy to evaluate changes in adipocytes in the tumor microenvironment associated with invasive ductal carcinoma and ductal carcinoma in situ. International Journal of Cancer, 2016, 139, 1140-1149.	5.1	13
78	Highly Sensitive Two-Dimensional Paper Network Incorporating Biotinâ€“Streptavidin for the Detection of Malaria. Analytical Chemistry, 2016, 88, 2553-2557.	6.5	39
79	High resolution microendoscopy with structured illumination and Lugol's iodine staining for evaluation of breast cancer architecture. Proceedings of SPIE, 2016, , .	0.8	0
80	Multiplexed Recombinase Polymerase Amplification Assay To Detect Intestinal Protozoa. Analytical Chemistry, 2016, 88, 1610-1616.	6.5	128
81	Quantitative analysis of high-resolution microendoscopic images for diagnosis of neoplasia in patients with Barrettâ€™s esophagus. Gastrointestinal Endoscopy, 2016, 83, 107-114.	1.0	20
82	In vivo cytological observation of liver and spleen by using high-resolution microendoscopy system under endoscopic ultrasound guidance: A preliminary study using a swine model. Endoscopic Ultrasound, 2016, 5, 239.	1.5	4
83	AutoSyP: A Low-Cost, Low-Power Syringe Pump for Use in Low-Resource Settings. American Journal of Tropical Medicine and Hygiene, 2016, 95, 964-969.	1.4	14
84	In vivowhite light and contrast-enhanced vital-dye fluorescence imaging of Barrettâ€™s-related neoplasia in a single-endoscopic insertion. Journal of Biomedical Optics, 2016, 21, 086004.	2.6	2
85	Efficacy of a low-cost bubble CPAP system in treatment of respiratory distress in a neonatal ward in Malawi. Malawi Medical Journal, 2016, 28, 131-137.	0.6	20
86	All-plastic, miniature, digital fluorescence microscope for three part white blood cell differential measurements at the point of care. Biomedical Optics Express, 2015, 6, 4433.	2.9	27
87	Development of a Quantitative Recombinase Polymerase Amplification Assay with an Internal Positive Control. Journal of Visualized Experiments, 2015, , .	0.3	18
88	A paper and plastic device for the combined isothermal amplification and lateral flow detection of Plasmodium DNA. Malaria Journal, 2015, 14, 472.	2.3	60
89	Micro-anatomical quantitative optical imaging: toward automated assessment of breast tissues. Breast Cancer Research, 2015, 17, 105.	5.0	12
90	In vivo classification of colorectal neoplasia using highâ€resolution microendoscopy: Improvement with experience. Journal of Gastroenterology and Hepatology (Australia), 2015, 30, 1155-1160.	2.8	8

#	Article	IF	Citations
91	Operative margin control with highâ€resolution optical microendoscopy for head and neck squamous cell carcinoma. Laryngoscope, 2015, 125, 2308-2316.	2.0	24
92	Highâ€resolution microendoscope imaging of inverted papilloma and normal sinonasal mucosa: evaluation of interobserver concordance. International Forum of Allergy and Rhinology, 2015, 5, 1136-1140.	2.8	3
93	High-resolution microendoscopy for esophageal cancer screening in China: A cost-effectiveness analysis. World Journal of Gastroenterology, 2015, 21, 5513.	3.3	13
94	Development and validation of a simple algorithm for initiation of CPAP in neonates with respiratory distress in Malawi. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F332-F336.	2.8	24
95	Outcomes of patients with respiratory distress treated with bubble CPAP on a pediatric ward in Malawi. Journal of Tropical Pediatrics, 2015, 61, fmv052.	1.5	24
96	All-plastic miniature fluorescence microscope for point-of-care readout of bead-based bioassays. Journal of Biomedical Optics, 2015, 20, 105010.	2.6	9
97	New technologies for essential newborn care in under-resourced areas: what is needed and how to deliver it. Paediatrics and International Child Health, 2015, 35, 192-205.	1.0	25
98	Recombinase Polymerase Amplification-Based Assay to Diagnose Giardia in Stool Samples. American Journal of Tropical Medicine and Hygiene, 2015, 92, 583-587.	1.4	51
99	Quantitative Analysis of High-Resolution Microendoscopic Images for Diagnosis of Esophageal Squamous Cell Carcinoma. Clinical Gastroenterology and Hepatology, 2015, 13, 272-279.e2.	4.4	71
100	Fluorescenceâ€based endoscopic imaging of <scp>T</scp>homsenâ€“<scp>F</scp>riedenreich antigen to improve early detection of colorectal cancer. International Journal of Cancer, 2015, 136, 1095-1103.	5.1	17
101	Inhibition of Recombinase Polymerase Amplification by Background DNA: A Lateral Flow-Based Method for Enriching Target DNA. Analytical Chemistry, 2015, 87, 1963-1967.	6.5	92
102	Confocal fluorescence microscopy for rapid evaluation of invasive tumor cellularity of inflammatory breast carcinoma core needle biopsies. Breast Cancer Research and Treatment, 2015, 149, 303-310.	2.5	50
103	Determining the utility and durability of medical equipment donated to a rural clinic in a low-income country. International Health, 2015, 7, 262-265.	2.0	12
104	Low-Cost High-Resolution Microendoscopy for the Detection of Esophageal Squamous Cell Neoplasia: An International Trial. Gastroenterology, 2015, 149, 321-329.	1.3	31
105	Automated frame selection process for high-resolution microendoscopy. Journal of Biomedical Optics, 2015, 20, 1.	2.6	18
106	High-resolution microendoscopy in differentiating neoplastic from non-neoplastic colorectal polyps. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2015, 29, 663-673.	2.4	12
107	Feasibility of transoral roboticâ€assisted highâ€resolution microendoscopic imaging of oropharyngeal squamous cell carcinoma. Head and Neck, 2015, 37, E99-102.	2.0	17
108	Maji: A New Tool to Prevent Overhydration of Children Receiving Intravenous Fluid Therapy in Low-Resource Settings. American Journal of Tropical Medicine and Hygiene, 2015, 92, 1053-1058.	1.4	2

#	Article	IF	Citations
109	Confocal foveated endomicroscope for the detection of esophageal carcinoma. Biomedical Optics Express, 2015, 6, 2311.	2.9	7
110	In vivo microscopy of hemozoin: towards a needle free diagnostic for malaria. Biomedical Optics Express, 2015, 6, 3462.	2.9	19
111	Src Inhibition Blocks c-Myc Translation and Glucose Metabolism to Prevent the Development of Breast Cancer. Cancer Research, 2015, 75, 4863-4875.	0.9	44
112	Quantitative evaluation ofin vivovital-dye fluorescence endoscopic imaging for the detection of Barrettâ€™s-associated neoplasia. Journal of Biomedical Optics, 2015, 20, 056002.	2.6	4
113	Drop-to-Drop Variation in the Cellular Components of Fingerprick Blood. American Journal of Clinical Pathology, 2015, 144, 885-894.	0.7	89
114	High-Resolution Microendoscope for the Detection of Cervical Neoplasia. Methods in Molecular Biology, 2015, 1256, 421-434.	0.9	5
115	Design of a New Type of Compact Chemical Heater for Isothermal Nucleic Acid Amplification. PLoS ONE, 2015, 10, e0139449.	2.5	13
116	Optical Imaging of Cancer and Inflammation in a Mouse Model of Colorectal Cancer. , 2015, , .		0
117	Efficacy of a Low-Cost Bubble CPAP System in Treatment of Respiratory Distress in a Neonatal Ward in Malawi. PLoS ONE, 2014, 9, e86327.	2.5	98
118	Cost-effectiveness analysis of a low-cost bubble CPAP device in providing ventilatory support for neonates in Malawi â€“ a preliminary report. BMC Pediatrics, 2014, 14, 288.	1.7	26
119	How to transform the practice of engineering to meet global health needs. Science, 2014, 345, 1287-1290.	12.6	47
120	Evaluation of a Miniature Microscope Objective Designed for Fluorescence Array Microscopy Detection of Mycobacterium tuberculosis. Archives of Pathology and Laboratory Medicine, 2014, 138, 379-389.	2.5	6
121	Design and performance of a low-cost, handheld reader for diagnosing anemia in Blantyre, Malawi. , 2014, 2014, 267-270.		5
122	Accuracy and interrater reliability for the diagnosis of Barrett's neoplasia among users of a novel, portable high-resolution microendoscope. Ecological Management and Restoration, 2014, 27, 55-62.	0.4	13
123	High-Resolution Microendoscope Images of Middle Ear Cholesteatoma and Surrounding Tissue. Otolaryngology - Head and Neck Surgery, 2014, 150, 654-658.	1.9	0
124	Point-of-care and point-of-procedure optical imaging technologies for primary care and global health. Science Translational Medicine, 2014, 6, 253rv2.	12.4	76
125	Equipment-Free Incubation of Recombinase Polymerase Amplification Reactions Using Body Heat. PLoS ONE, 2014, 9, e112146.	2.5	217
126	Evaluation of a qualitative human immunodeficiency virus-1 diagnostic assay based on nucleic acid sequence based amplification and lateral flow readout. , 2014, , .		0

#	Article	IF	Citations
127	Low-cost disposable cartridge for performing a white blood cell count and partial differential at the point-of-care. , 2014, 2014, 10-13.		12
128	Su2011 Diagnostic Yield and Clinical Impact of a Low-Cost Microendoscope in the Early Diagnosis of Barrett's Associated Neoplasia: A Prospective, Single-Center Randomized Controlled Trial. Gastroenterology, 2014, 146, S-522.	1.3	2
129	In Vivo Diagnostic Accuracy of High-Resolution Microendoscopy in Differentiating Neoplastic from Non-Neoplastic Colorectal Polyps: A Prospective Study. American Journal of Gastroenterology, 2014, 109, 68-75.	0.4	32
130	Mentoring by Design: Integrating Medical Professional Competencies into Bioengineering and Medical Physics Graduate Training. Journal of Cancer Education, 2014, 29, 680-688.	1.3	1
131	Optical Systems for Point-of-care Diagnostic Instrumentation: Analysis of Imaging Performance and Cost. Annals of Biomedical Engineering, 2014, 42, 231-240.	2.5	20
132	Applications and Advancements in the Use of High-resolution Microendoscopy for Detection of Gastrointestinal Neoplasia. Clinical Gastroenterology and Hepatology, 2014, 12, 1789-1792.	4.4	22
133	Nucleic Acid Test to Diagnose Cryptosporidiosis: Lab Assessment in Animal and Patient Specimens. Analytical Chemistry, 2014, 86, 2565-2571.	6.5	62
134	Mo1134 Accuracy of a High Resolution, Low-Cost Microendoscope for the Early Detection of Esophageal Squamous Cell Neoplasia: a Prospective, International, Multicenter Trial. Gastroenterology, 2014, 146, S-566.	1.3	1
135	Quantification of HIV-1 DNA Using Real-Time Recombinase Polymerase Amplification. Analytical Chemistry, 2014, 86, 5615-5619.	6.5	82
136	Diagnosis of Neoplasia in Barrett’s Esophagus using Vital-dye Enhanced Fluorescence Imaging. Journal of Visualized Experiments, 2014, , .	0.3	1
137	Automated frame selection process for analyzing high resolution microendoscope images. Proceedings of SPIE, 2014, , .	0.8	0
138	Endoscopic ultrasound-assisted direct peritoneal visualization with a small-caliber scope: A proof of concept study in a swine model. Endoscopic Ultrasound, 2014, 3, 226.	1.5	3
139	Chromatography paper as a low-cost medium for accurate spectrophotometric assessment of blood hemoglobin concentration. Lab on A Chip, 2013, 13, 2381.	6.0	36
140	Imaging as a tool for global cancer control. Computerized Medical Imaging and Graphics, 2013, 37, 195-196.	5.8	1
141	Devices for Low-Resource Health Care. Science, 2013, 342, 1055-1057.	12.6	36
142	Novel open-source electronic medical records system for palliative care in low-resource settings. BMC Palliative Care, 2013, 12, 31.	1.8	14
143	Amplification-Free Detection ofCryptosporidium parvumNucleic Acids with the Use of DNA/RNA-Directed Gold Nanoparticle Assemblies. Journal of Parasitology, 2013, 99, 923-926.	0.7	8
144	Optical Molecular Imaging in the Gastrointestinal Tract. Gastrointestinal Endoscopy Clinics of North America, 2013, 23, 707-723.	1.4	14

#	Article	IF	Citations
145	Design, Evaluation, and Dissemination of a Plastic Syringe Clip to Improve Dosing Accuracy of Liquid Medications. Annals of Biomedical Engineering, 2013, 41, 1860-1868.	2.5	7
146	Needle endomicroscope with a plastic, achromatic objective to perform optical biopsies of breast tissue. Proceedings of SPIE, 2013, , .	0.8	1
147	Modular video endoscopy forin vivocross-polarized and vital-dye fluorescence imaging of Barrettâ€™s-associated neoplasia. Journal of Biomedical Optics, 2013, 18, 026007.	2.6	16
148	Multimodal snapshot spectral imaging for oral cancer diagnostics: a pilot study. Biomedical Optics Express, 2013, 4, 938.	2.9	49
149	Vital-dye-enhanced multimodal imaging of neoplastic progression in a mouse model of oral carcinogenesis. Journal of Biomedical Optics, 2013, 18, 126017.	2.6	17
150	High resolution microendoscopy for classification of colorectal polyps. Endoscopy, 2013, 45, 553-559.	1.8	24
151	Needle-based fluorescence endomicroscopy via structured illumination with a plastic, achromatic objective. Journal of Biomedical Optics, 2013, 18, 096003.	2.6	27
152	Feasibility of confocal fluorescence microscopy for real-time evaluation of neoplasia in fresh human breast tissue. Journal of Biomedical Optics, 2013, 18, 106016.	2.6	50
153	Comparison of high-resolution microendoscope images and histopathological sections inex vivomiddle ear cholesteatomas and surrounding tissue. , 2013, , .		0
154	Optical imaging with a highâ€resolution microendoscope to identify cholesteatoma of the middle ear. Laryngoscope, 2013, 123, 1016-1020.	2.0	15
155	A High-Value, Low-Cost Bubble Continuous Positive Airway Pressure System for Low-Resource Settings: Technical Assessment and Initial Case Reports. PLoS ONE, 2013, 8, e53622.	2.5	60
156	Emerging Nucleic Acidâ€“Based Tests for Point-of-Care Detection of Malaria. American Journal of Tropical Medicine and Hygiene, 2012, 87, 223-230.	1.4	118
157	Real-time video mosaicing with a high-resolution microendoscope. Biomedical Optics Express, 2012, 3, 2428.	2.9	57
158	Longitudinal evaluation of patients with oral potentially malignant disorders using optical imaging and spectroscopy. , 2012, , .		0
159	Engaging Undergraduates in Global Health Technology Innovation. Science, 2012, 336, 430-431.	12.6	14
160	A Pilot Study of Low-Cost, High-Resolution Microendoscopy as a Tool for Identifying Women with Cervical Precancer. Cancer Prevention Research, 2012, 5, 1273-1279.	1.5	59
161	Accuracy of In Vivo Multimodal Optical Imaging for Detection of Oral Neoplasia. Cancer Prevention Research, 2012, 5, 801-809.	1.5	92
162	A paper and plastic device for performing recombinase polymerase amplification of HIV DNA. Lab on A Chip, 2012, 12, 3082.	6.0	237

#	Article	IF	Citations
163	Gold nanoparticle aggregation for quantification of oligonucleotides: Optimization and increased dynamic range. Analytical Biochemistry, 2012, 431, 99-105.	2.4	39
164	Optical Molecular Imaging of Multiple Biomarkers of Epithelial Neoplasia: Epidermal Growth Factor Receptor Expression and Metabolic Activity in Oral Mucosa. Translational Oncology, 2012, 5, 160-171.	3.7	17
165	Prospective Randomized Controlled Study Comparing Low-Cost LED and Conventional Phototherapy for Treatment of Neonatal Hyperbilirubinemia. Journal of Tropical Pediatrics, 2012, 58, 178-183.	1.5	20
166	Discrimination of Benign and Neoplastic Mucosa with a High-Resolution Microendoscope (HRME) in Head and Neck Cancer. Annals of Surgical Oncology, 2012, 19, 3534-3539.	1.5	45
167	Vital-dye enhanced fluorescence imaging of GI mucosa: metaplasia, neoplasia, inflammation. Gastrointestinal Endoscopy, 2012, 75, 877-887.	1.0	19
168	Feasibility and preliminary accuracy of high-resolution imaging of the liver and pancreas using FNA compatible microendoscopy (with video). Gastrointestinal Endoscopy, 2012, 76, 293-300.	1.0	24
169	A Lateral Flow Assay for Quantitative Detection of Amplified HIV-1 RNA. PLoS ONE, 2012, 7, e45611.	2.5	146
170	High-Resolution Optical Imaging of Benign and Malignant Mucosa in the Upper Aerodigestive Tract: An Atlas for Image-Guided Surgery. ISRN Minimally Invasive Surgery, 2012, 2012, 1-9.	0.3	7
171	Advances in molecular imaging: targeted optical contrast agents for cancer diagnostics. Nanomedicine, 2012, 7, 429-445.	3.3	135
172	Advanced Endoscopic Imaging for Barrettâ€™s Esophagus: Current Options and Future Directions. Current Gastroenterology Reports, 2012, 14, 216-225.	2.5	24
173	Noninvasive imaging of oral neoplasia with a highâ€resolution fiberâ€optic microendoscope. Head and Neck, 2012, 34, 305-312.	2.0	90
174	High-Resolution Microendoscopy for the Detection of Cervical Neoplasia in Low-Resource Settings. PLoS ONE, 2012, 7, e44924.	2.5	58
175	Noninvasive optical imaging and spectroscopy for quantitative monitoring of the progression of oral premalignant lesions. , 2012, , .		0
176	Automated image analysis of in vivo microendoscopic images for quantitative diagnosis of esophageal squamous cell carcinoma. , 2012, , .		0
177	Low-Cost Microendoscopy for the Diagnosis of Esophageal Squamous Cell Neoplasia in Northern China: An Evaluation of Interobserver Agreement and Accuracy. Gastroenterology, 2011, 140, S-750-S-751.	1.3	0
178	High-resolution and optical molecular imaging for the early detection of colonic neoplasia. Gastrointestinal Endoscopy, 2011, 73, 1263-1273.	1.0	13
179	1102 Accuracy and Interobserver Reliability in the Diagnosis of Barrett's-Associated Neoplasia Among New Users of a Low-Cost, Battery-Operated High-Resolution Microendoscope (HRME). Gastrointestinal Endoscopy, 2011, 73, AB160-AB161.	1.0	0
180	Prospective evaluation of a portable depth-sensitive optical spectroscopy device to identify oral neoplasia. Biomedical Optics Express, 2011, 2, 89.	2.9	9

#	Article	IF	Citations
181	High-resolution Fiber-optic Microendoscopy for in situ Cellular Imaging. Journal of Visualized Experiments, 2011, , .	0.3	68
182	Real-time spectroscopic evaluation of oral lesions and comparisons with histopathology. Proceedings of SPIE, 2011, , .	0.8	0
183	Oral cancer screening approach based on labeling exfoliated oral cells with molecularly-targeted optical contrast agents. Proceedings of SPIE, 2011, , .	0.8	0
184	Toward a low-cost compact array microscopy platform for detection of tuberculosis. Tuberculosis, 2011, 91, S54-S60.	1.9	21
185	Use of In Vivo Realâ€Time Optical Imaging for Esophageal Neoplasia. Mount Sinai Journal of Medicine, 2011, 78, 894-904.	1.9	4
186	A Hand-Powered, Portable, Low-Cost Centrifuge for Diagnosing Anemia in Low-Resource Settings. American Journal of Tropical Medicine and Hygiene, 2011, 85, 327-332.	1.4	61
187	Optical molecular imaging for detection of Barrettâ€™s-associated neoplasia. World Journal of Gastroenterology, 2011, 17, 53.	3.3	39
188	Pre-Clinical Evaluation of Fluorescent Deoxyglucose as a Topical Contrast Agent for the Detection of Barrett's-Associated Neoplasia during Confocal Imaging. Technology in Cancer Research and Treatment, 2011, 10, 431-441.	1.9	32
189	Competencies: A Cure for Pre-Med Curriculum. Science, 2011, 334, 760-761.	12.6	2
190	Special Section Guest Editorial: Special Section Honoring Professor Michael Feld. Journal of Biomedical Optics, 2011, 16, 011001.	2.6	1
191	Low-Cost Endomicroscopy in the Esophagus and Colon. American Journal of Gastroenterology, 2011, 106, 1722-1724.	0.4	28
192	Endoscopic imaging: How far are we from real-time histology?. World Journal of Gastrointestinal Endoscopy, 2011, 3, 183.	1.2	29
193	Low-cost, portable imaging systems for cancer detection. , 2010, , .		0
194	Portable, Battery-Operated, Low-Cost, Bright Field and Fluorescence Microscope. PLoS ONE, 2010, 5, e11890.	2.5	84
195	Engaging Undergraduates to Solve Global Health Challenges: A New Approach Based on Bioengineering Design. Annals of Biomedical Engineering, 2010, 38, 3031-3041.	2.5	28
196	The Pipeline Still Leaks and More Than You Think: A Status Report on Gender Diversity in Biomedical Engineering. Annals of Biomedical Engineering, 2010, 38, 1928-1935.	2.5	55
197	Ex vivo high resolution imaging with a miniaturized microendoscope to discriminate between benign and malignant mucosa in the upper aerodigestive tract. Laryngoscope, 2010, 120, S162.	2.0	0
198	Evaluation of a low-cost, portable imaging system for early detection of oral cancer. Head & Neck Oncology, 2010, 2, 10.	2.3	47

#	Article	IF	Citations
199	Wide-field and high-resolution optical imaging for early detection of oral neoplasia. Head & Neck Oncology, 2010, 2, .	2.3	3
200	A Fiber-Optic Fluorescence Microscope Using a Consumer-Grade Digital Camera for In Vivo Cellular Imaging. PLoS ONE, 2010, 5, e11218.	2.5	64
201	Advances in fluorescence imaging techniques to detect oral cancer and its precursors. Future Oncology, 2010, 6, 1143-1154.	2.4	102
202	Portable, battery-operated, fluorescence field microscope for the developing world. , 2010, , .		4
203	Emerging Roles for Multimodal Optical Imaging in Early Cancer Detection: A Global Challenge. Technology in Cancer Research and Treatment, 2010, 9, 211-217.	1.9	27
204	Comparison of multispectral wide-field optical imaging modalities to maximize image contrast for objective discrimination of oral neoplasia. Journal of Biomedical Optics, 2010, 15, 066017.	2.6	23
205	Evaluation of quantitative image analysis criteria for the high-resolution microendoscopic detection of neoplasia in Barrettâ€™s esophagus. Journal of Biomedical Optics, 2010, 15, 026027.	2.6	68
206	Wide-field and high-resolution optical imaging for early detection of oral neoplasia. , 2010, , .		0
207	Efficient mucosal delivery of optical contrast agents using imidazole-modified chitosan. Journal of Biomedical Optics, 2010, 15, 1.	2.6	17
208	Self-Assembly Synthesis, Tumor Cell Targeting, and Photothermal Capabilities of Antibody-Coated Indocyanine Green Nanocapsules. Journal of the American Chemical Society, 2010, 132, 1929-1938.	13.7	285
209	High-resolution fiber optic microscopy with fluorescent contrast enhancement for the identification of axillary lymph node metastases in breast cancer: a pilot study. Biomedical Optics Express, 2010, 1, 911.	2.9	21
210	Low-cost, portable optical imaging systems for cancer diagnosis. , 2010, 2010, 1093-6.		4
211	Improving spatial resolution of a fiber bundle optical biopsy system. Proceedings of SPIE, 2010, 7558, 755807.	0.8	18
212	Widefield Imaging and Point Spectroscopy for Noninvasive Diagnosis of Oral Precancer. , 2010, , .		0
213	Clinical evaluation of a high-resolution microendoscope for early diagnosis of cancer. , 2010, , .		0
214	Quantitative Image Analysis to Predict the Neoplastic Region in Oral Squamous Cell Carcinoma using Multiple Fluorescent Contrast Agents. , 2010, , .		0
215	A fiber-optic fluorescence microscope using a consumer-grade digital camera for in vivo cellular imaging. , 2010, , .		1
216	Fluorescence spectroscopy of oral tissue: Monte Carlo modeling with site-specific tissue properties. Journal of Biomedical Optics, 2009, 14, 014009.	2.6	45

#	Article	IF	Citations
217	Objective Detection and Delineation of Oral Neoplasia Using Autofluorescence Imaging. Cancer Prevention Research, 2009, 2, 423-431.	1.5	158
218	Delivery of optical contrast agents using Triton-X100, part 2: enhanced mucosal permeation for the detection of cancer biomarkers. Journal of Biomedical Optics, 2009, 14, 021013.	2.6	11
219	Molecular imaging of glucose uptake in oral neoplasia following topical application of fluorescently labeled deoxyâ€glucose. International Journal of Cancer, 2009, 124, 2634-2642.	5.1	75
220	Noninvasive evaluation of oral lesions using depthâ€sensitive optical spectroscopy. Cancer, 2009, 115, 1669-1679.	4.1	102
221	Head & neck optical diagnostics: vision of the future of surgery. Head & Neck Oncology, 2009, 1, 25.	2.3	32
222	Oligonucleotide-Gold Nanoparticle Networks for Detection of Cryptosporidium parvum Heat Shock Protein 70 mRNA. Journal of Clinical Microbiology, 2009, 47, 4060-4066.	3.9	35
223	Topics in Biomedical Optics: introduction to the feature issue. Applied Optics, 2009, 48, TBO1.	2.1	1
224	O71. Depth-sensitive optical spectroscopy for diagnosis of oral neoplasia. Oral Oncology Supplement, 2009, 3, 80.	0.0	0
225	Delivery of optical contrast agents using Triton-X100, part 1: reversible permeabilization of live cells for intracellular labeling. Journal of Biomedical Optics, 2009, 14, 021012.	2.6	28
226	Optical Molecular Imaging of Epidermal Growth Factor Receptor Expression to Improve Detection of Oral Neoplasia. Neoplasia, 2009, 11, 542-551.	5.3	25
227	Is Endoscopic Ultrasound â€œSoundâ€•for Pancreatic Cancer Screening?. Journal of Clinical Gastroenterology, 2009, 43, 797-802.	2.2	5
228	In vivo fluorescence hyperspectral imaging of oral neoplasia. , 2009, , .		12
229	Optical contrast agents and imaging systems for detection and diagnosis of cancer. International Journal of Cancer, 2008, 123, 1979-1990.	5.1	196
230	Photostability of quantum dots with amphiphilic polymer-based passivation strategies. Nanotechnology, 2008, 19, 035701.	2.6	35
231	Optical imaging for cervical cancer detection: solutions for a continuing global problem. Nature Reviews Cancer, 2008, 8, 725-731.	28.4	157
232	Up regulation in gene expression of chromatin remodelling factors in cervical intraepithelial neoplasia. BMC Genomics, 2008, 9, 64.	2.8	30
233	In vivo imaging of oral neoplasia using a miniaturized fiber optic confocal reflectance microscope. Oral Oncology, 2008, 44, 1059-1066.	1.5	103
234	High-resolution imaging in Barrett's esophagus: a novel, low-cost endoscopic microscope. Gastrointestinal Endoscopy, 2008, 68, 737-744.	1.0	117

#	Article	IF	Citations
235	Aptamer-Targeted Gold Nanoparticles As Molecular-Specific Contrast Agents for Reflectance Imaging. Bioconjugate Chemistry, 2008, 19, 1309-1312.	3.6	166
236	Autofluorescence and diffuse reflectance spectroscopy of oral epithelial tissue using a depth-sensitive fiber-optic probe. Applied Optics, 2008, 47, 825.	2.1	100
237	Metal-based nanorods as molecule-specific contrast agents for reflectance imaging in 3D tissues. Journal of Nanophotonics, 2008, 2, 023506.	1.0	23
238	Low-cost, multimodal, portable screening system for early detection of oral cancer. Journal of Biomedical Optics, 2008, 13, 030502.	2.6	46
239	Imaging performance of a miniature integrated microendoscope. Journal of Biomedical Optics, 2008, 13, 054020.	2.6	11
240	Understanding the Biological Basis of Autofluorescence Imaging for Oral Cancer Detection: High-Resolution Fluorescence Microscopy in Viable Tissue. Clinical Cancer Research, 2008, 14, 2396-2404.	7.0	224
241	Model-based analysis of reflectance and fluorescence spectra for in vivo detection of cervical dysplasia and cancer. Journal of Biomedical Optics, 2008, 13, 064016.	2.6	43
242	Monte Carlo model to describe depth selective fluorescence spectra of epithelial tissue: applications for diagnosis of oral precancer. Journal of Biomedical Optics, 2008, 13, 064012.	2.6	45
243	Multispectral optical imaging device for in vivo detection of oral neoplasia. Journal of Biomedical Optics, 2008, 13, 024019.	2.6	140
244	Automated image analysis of digital colposcopy for the detection of cervical neoplasia. Journal of Biomedical Optics, 2008, 13, 014029.	2.6	65
245	Multispectral and Hyperspectral in vivo Imaging of the Oral Cavity for Neoplastic Tissue Detection. , 2008, , .		4
246	The Impact of Inaccurate Internet Health Information in a Secondary School Learning Environment. Journal of Medical Internet Research, 2008, 10, e17.	4.3	87
247	Depth-Sensitive Spectroscopic Measurements of Patients with Oral Mucosal Lesions. , 2008, , .		0
248	Widefield and high-resolution reflectance imaging of gold and silver nanospheres. Journal of Biomedical Optics, 2007, 12, 051505.	2.6	20
249	Real-time reflectance confocal microscopy: comparison of two-dimensional images and three-dimensional image stacks for detection of cervical precancer. Journal of Biomedical Optics, 2007, 12, 024021.	2.6	42
250	Fluorescence and reflectance device variability throughout the progression of a phase II clinical trial to detect and screen for cervical neoplasia using a fiber optic probe. Journal of Biomedical Optics, 2007, 12, 034015.	2.6	35
251	Instrumentation as a source of variability in the application of fluorescence spectroscopic devices for detecting cervical neoplasia. Journal of Biomedical Optics, 2007, 12, 034014.	2.6	11
252	Multicenter clinical trials of in vivo fluorescence: are the measurements equivalent?. , 2007, , .		1

#	Article	IF	Citations
253	Computational analysis of light scattering from collagen fiber networks. Proceedings of SPIE, 2007, , .	0.8	0
254	High numerical aperture microendoscope objective for a fiber confocal reflectance microscope. Optics Express, 2007, 15, 2409.	3.4	48
255	Fiber-optic confocal microscope using a MEMS scanner and miniature objective lens. Optics Express, 2007, 15, 9113.	3.4	117
256	Subcellular-resolution molecular imaging within living tissue by fiber microendoscopy. Optics Express, 2007, 15, 16413.	3.4	193
257	Plasmonic Nanosensors for Imaging Intracellular Biomarkers in Live Cells. Nano Letters, 2007, 7, 1338-1343.	9.1	226
258	Oligonucleotide-Coated Metallic Nanoparticles as a Flexible Platform for Molecular Imaging Agents. Bioconjugate Chemistry, 2007, 18, 2090-2096.	3.6	49
259	Light Scattering from Collagen Fiber Networks: Micro-Optical Properties of Normal and Neoplastic Stroma. Biophysical Journal, 2007, 92, 3260-3274.	0.5	120
260	Plasmon resonance coupling of metal nanoparticles for molecular imaging of carcinogenesis in vivo. Journal of Biomedical Optics, 2007, 12, 034007.	2.6	151
261	Using LongSAGE to Detect Biomarkers of Cervical Cancer Potentially Amenable to Optical Contrast Agent Labelling. Biomarker Insights, 2007, 2, 117727190700200.	2.5	5
262	Dual-mode reflectance and fluorescence near-video-rate confocal microscope for architectural, morphological and molecular imaging of tissue. Journal of Microscopy, 2007, 228, 11-24.	1.8	26
263	Paradigm shift: A new breed of pathologist. Gynecologic Oncology, 2007, 107, S46-S49.	1.4	7
264	Objective screening for cervical cancer in developing nations: Lessons from Nigeria. Gynecologic Oncology, 2007, 107, S94-S97.	1.4	20
265	The clinical effectiveness of optical spectroscopy for the in vivo diagnosis of cervical intraepithelial neoplasia: Where are we?. Gynecologic Oncology, 2007, 107, S138-S146.	1.4	46
266	Autofluorescence Patterns in Short-Term Cultures of Normal Cervical Tissue. Photochemistry and Photobiology, 2007, 71, 730-736.	2.5	3
267	Optimal Excitation Wavelengths for In Vivo Detection of Oral Neoplasia Using Fluorescence Spectroscopy Â¶. Photochemistry and Photobiology, 2007, 72, 103-113.	2.5	7
268	Relationship Between Collagen Autofluorescence of the Human Cervix and Menopausal Status. Photochemistry and Photobiology, 2007, 77, 653-658.	2.5	1
269	A Translational Bioengineering Course Provides Substantial Gains in Civic Scientific Literacy. Annals of Biomedical Engineering, 2007, 35, 1324-1332.	2.5	2
270	Using LongSAGE to Detect Biomarkers of Cervical Cancer Potentially Amenable to Optical Contrast Agent Labelling. Biomarker Insights, 2007, 2, 447-61.	2.5	4

#	Article	IF	Citations
271	Removal of ghost images by using tilted element optical systems with polynomial surfaces for aberration compensation. Optics Letters, 2006, 31, 504.	3.3	10
272	Single fiber confocal microscope with a two-axis gimbaled MEMS scanner for cellular imaging. Optics Express, 2006, 14, 8604.	3.4	50
273	Design, assembly, and optical bench testing of a high-numerical-aperture miniature injection-molded objective for fiber-optic confocal reflectance microscopy. Applied Optics, 2006, 45, 2545.	2.1	36
274	In vivo optical detection of intranuclear cancer biomarkers using gold nanoparticles. , 2006, 6095, 7.		3
275	Labeling tumor cells with fluorescent nanocrystalâ€“aptamer bioconjugates. Biosensors and Bioelectronics, 2006, 21, 1859-1866.	10.1	146
276	Oral premalignancy: New methods of detection and treatment. Current Oncology Reports, 2006, 8, 146-154.	4.0	56
277	Real-time detection of epidermal growth factor receptor expression in fresh oral cavity biopsies using a molecular-specific contrast agent. International Journal of Cancer, 2006, 118, 3062-3071.	5.1	21
278	In situ analysis of breast cancer progression in murine models using a macroscopic fluorescence imaging system. Lasers in Surgery and Medicine, 2006, 38, 928-938.	2.1	9
279	Model-based analysis of clinical fluorescence spectroscopy for in vivo detection of cervical intraepithelial dysplasia. Journal of Biomedical Optics, 2006, 11, 024008.	2.6	56
280	Calibration standards for multicenter clinical trials of fluorescence spectroscopy for in vivo diagnosis. Journal of Biomedical Optics, 2006, 11, 014010.	2.6	37
281	Molecular Optical Imaging of Therapeutic Targets of Cancer. Advances in Cancer Research, 2006, 96, 299-344.	5.0	26
282	Optical molecular imaging agents for cancer diagnostics and therapeutics. Nanomedicine, 2006, 1, 23-30.	3.3	60
283	Spatially resolved reflectance spectroscopy for diagnosis of cervical precancer: Monte Carlo modeling and comparison to clinical measurements. Journal of Biomedical Optics, 2006, 11, 064027.	2.6	70
284	Single fiber confocal microscope using a two-axis microscanner for cellular imaging. , 2006, , .		0
285	In Vivo Fiber Confocal Microscopy for Detection of Oral Cavity Neoplasia. , 2006, , .		0
286	Depth Sensitive Optical Spectroscopy for Noninvasive Detection of Oral Cavity Neoplasia. , 2006, , .		0
287	MEMS based Single Fiber Reflectance Confocal Microscope System (SFCM) for In Vivo Cellular Imaging. , 2006, , .		0
288	Multi-modal miniature microscope: 4M Device for bio-imaging applications - an overview of the system. , 2005, , .		3

#	Article	IF	Citations
289	High speed CMOS for structured illumination technique. , 2005, , .		2
290	Optical coherence tomography: A pilot study of a new imaging technique for noninvasive examination of cervical tissue. American Journal of Obstetrics and Gynecology, 2005, 193, 83-88.	1.3	73
291	Fluorescence spectroscopy as a diagnostic tool for detecting cervical pre-cancer. Gynecologic Oncology, 2005, 99, S61-S63.	1.4	18
292	Results of a pilot study of multispectral digital colposcopy for the in vivo detection of cervical intraepithelial neoplasia. Gynecologic Oncology, 2005, 99, S67-S75.	1.4	27
293	Confocal microscopy: Imaging cervical precancerous lesions. Gynecologic Oncology, 2005, 99, S84-S88.	1.4	54
294	Fluorescent nanocrystals for use in early cervical cancer detection. Gynecologic Oncology, 2005, 99, S89-S94.	1.4	57
295	Design and preliminary analysis of a study to assess intra-device and inter-device variability of fluorescence spectroscopy instruments for detecting cervical neoplasia. Gynecologic Oncology, 2005, 99, S98-S111.	1.4	13
296	Optical imaging of cervical pre-cancers with structured illumination: An integrated approach. Gynecologic Oncology, 2005, 99, S112-S115.	1.4	29
297	Diffuse reflectance patterns in cervical spectroscopy. Gynecologic Oncology, 2005, 99, S116-S120.	1.4	47
298	Multi-modal miniaturized microscope: successful merger of optical, MEMS, and electronic technologies. , 2005, 6050, 310.		0
299	Novel algorithm of processing optical coherence tomography images for differentiation of biological tissue pathologies. Journal of Biomedical Optics, 2005, 10, 064024.	2.6	75
300	Combined reflectance and fluorescence spectroscopy for in vivo detection of cervical pre-cancer. Journal of Biomedical Optics, 2005, 10, 024031.	2.6	129
301	An image model and segmentation algorithm for reflectance confocal images of in vivo cervical tissue. IEEE Transactions on Image Processing, 2005, 14, 1265-1276.	9.8	56
302	In vivo fiber-optic confocal reflectance microscope with an injection-molded plastic miniature objective lens. Applied Optics, 2005, 44, 1792.	2.1	102
303	Sources of scattering in cervical tissue: determination of the scattering coefficient by confocal microscopy. Applied Optics, 2005, 44, 2072.	2.1	63
304	Reflectance spectroscopy for diagnosis of epithelial precancer: model-based analysis of fiber-optic probe designs to resolve spectral information from epithelium and stroma. Applied Optics, 2005, 44, 4291.	2.1	66
305	Detection of the Molecular Changes Associated with Oral Cancer Using a Molecular-Specific Fluorescent Contrast Agent and Single-Wavelength Spectroscopy. Applied Spectroscopy, 2005, 59, 1166-1173.	2.2	7
306	Multispectral digital microscopy for in vivo monitoring of oral neoplasia in the hamster cheek pouch model of carcinogenesis. Optics Express, 2005, 13, 749.	3.4	11

#	Article	IF	Citations
307	Ball lens coupled fiber-optic probe for depth-resolved spectroscopy of epithelial tissue. Optics Letters, 2005, 30, 1159.	3.3	66
308	Thick tissue imaging with the Multi-Modal Miniaturized Microscope 4M Device. , 2005, , .		0
309	REFLECTANCE AND FLUORESCENCE IMAGING OF PRE-CANCER WITH STRUCTURED ILLUMINATION-AN INTEGRATED APPROACH. , 2005, , .		0
310	Optical technologies for cervical neoplasia: update of an NCI program project grant. Clinical Advances in Hematology and Oncology, 2005, 3, 41-53.	0.3	15
311	Detection and diagnosis of oral neoplasia with an optical coherence microscope. Journal of Biomedical Optics, 2004, 9, 1271.	2.6	61
312	Effect of probe pressure on cervical fluorescence spectroscopy measurements. Journal of Biomedical Optics, 2004, 9, 523.	2.6	49
313	Analytical model to describe fluorescence spectra of normal and preneoplastic epithelial tissue: comparison with Monte Carlo simulations and clinical measurements. Journal of Biomedical Optics, 2004, 9, 511.	2.6	98
314	Special Section Guest Editorial. Journal of Biomedical Optics, 2004, 9, 431.	2.6	0
315	A Far-red Fluorescent Contrast Agent to Image Epidermal Growth Factor Receptor Expression. Photochemistry and Photobiology, 2004, 79, 272.	2.5	39
316	A pilot study for a screening trial of cervical fluorescence spectroscopy. International Journal of Gynecological Cancer, 2004, 14, 1097-1107.	2.5	17
317	The effects of repeated spectroscopic pressure measurements on fluorescence intensity in the cervix. American Journal of Obstetrics and Gynecology, 2004, 191, 1606-1617.	1.3	21
318	Vision enhancement system for detection of oral cavity neoplasia based on autofluorescence. Head and Neck, 2004, 26, 205-215.	2.0	97
319	In vivo pathology: microendoscopy as a new endoscopic imaging modality. Gastrointestinal Endoscopy Clinics of North America, 2004, 14, 595-620.	1.4	58
320	High resolution, molecular-specific, reflectance imaging in optically dense tissue phantoms with structured-illumination. Optics Express, 2004, 12, 3745.	3.4	31
321	A farâ€red fluorescent contrast agent to image epidermal growth factor receptor expression. Photochemistry and Photobiology, 2004, 79, 272-279.	2.5	3
322	Estimation of tissue optical properties from in vivo fluorescence measurements using an inverse analytical model. , 2004, , .		0
323	Immuno - targeted gold nanoparticles as in - vivo molecular - specific contrast agents for optical detection of carcinogenesis. , 2004, , .		0
324	Optimal visual perception and detection of oral cavity neoplasia. IEEE Transactions on Biomedical Engineering, 2003, 50, 396-399.	4.2	12

#	Article	IF	Citations
325	Patient distress and satisfaction with optical spectroscopy in cervical dysplasia detection. American Journal of Obstetrics and Gynecology, 2003, 189, 1136-1142.	1.3	17
326	Determination of epithelial tissue scattering coefficient using confocal microscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 307-313.	2.9	80
327	Cervical cancer chemoprevention, vaccines, and surrogate endpoint biomarkers. Cancer, 2003, 98, 2044-2051.	4.1	13
328	Optical imaging of the cervix. Cancer, 2003, 98, 2015-2027.	4.1	92
329	Detecting the Signal of the Menstrual Cycle in Fluorescence Spectroscopy of the Cervix. Applied Spectroscopy, 2003, 57, 67-72.	2.2	11
330	Multispectral digital colposcopy for in vivo detection of cervical cancer. Optics Express, 2003, 11, 1223.	3.4	78
331	Imaging quality assessment of multi-modal miniature microscope. Optics Express, 2003, 11, 1436.	3.4	16
332	Fiber optic confocal reflectance microscopy: a new real-time technique to view nuclear morphology in cervical squamous epithelium in vivo. Optics Express, 2003, 11, 3171.	3.4	68
333	Fiber optic probes for biomedical optical spectroscopy. Journal of Biomedical Optics, 2003, 8, 121.	2.6	467
334	Effects of biographical variables on cervical fluorescence emission spectra. Journal of Biomedical Optics, 2003, 8, 479.	2.6	29
335	Light scattering from cervical cells throughout neoplastic progression: influence of nuclear morphology, DNA content, and chromatin texture. Journal of Biomedical Optics, 2003, 8, 7.	2.6	246
336	Light scattering from normal and dysplastic cervical cells at different epithelial depths: finite-difference time-domain modeling with a perfectly matched layer boundary condition. Journal of Biomedical Optics, 2003, 8, 484.	2.6	83
337	Optical Systems for in Vivo Molecular Imaging of Cancer. Technology in Cancer Research and Treatment, 2003, 2, 491-504.	1.9	193
338	Formative and Summative Assessment of the IGERT Program in Optical Molecular Bio-Engineering at UT Austin. Journal of Engineering Education, 2003, 92, 345-350.	3.0	7
339	Relationship Between Collagen Autofluorescence of the Human Cervix and Menopausal Status. Photochemistry and Photobiology, 2003, 77, 653.	2.5	20
340	Multimodal miniature microscope (4M Device): novel methodology for multimodality tissue imaging in vivo. , 2003, , .		1
341	Microanatomical and Biochemical Origins of Normal and Precancerous Cervical Autofluorescence Using Laser-scanning Fluorescence Confocal Microscopy Â¶. Photochemistry and Photobiology, 2003, 77, 550-555.	2.5	79
342	Survey Of Endogenous Biological Fluorophores. , 2003, , .		3

#	Article	IF	Citations
343	Microanatomical and Biochemical Origins of Normal and Precancerous Cervical Autofluorescence Using Laser-scanning Fluorescence Confocal MicroscopyÂ¶. Photochemistry and Photobiology, 2003, 77, 550.	2.5	129
344	Micro-optical bench for oral imaging. , 2003, , .		0
345	Cervical Dysplasia Diagnosis With Fluorescence Spectroscopy. , 2003, , .		0
346	Real-time vital optical imaging of precancer using anti-epidermal growth factor receptor antibodies conjugated to gold nanoparticles. Cancer Research, 2003, 63, 1999-2004.	0.9	631
347	Confocal microscopy for real-time detection of oral cavity neoplasia. Clinical Cancer Research, 2003, 9, 4714-21.	7.0	69
348	Reflectance spectroscopy for in vivo detection of cervical precancer. Journal of Biomedical Optics, 2002, 7, 587.	2.6	171
349	Fluorescence spectroscopy as a biomarker in a cell culture and in a nonhuman primate model for ovarian cancer chemopreventive agents. Journal of Biomedical Optics, 2002, 7, 20.	2.6	30
350	Fiber optic probe for polarized reflectance spectroscopy in vivo: Design and performance. Journal of Biomedical Optics, 2002, 7, 388.	2.6	68
351	Realistic three-dimensional epithelial tissue phantoms for biomedical optics. Journal of Biomedical Optics, 2002, 7, 148.	2.6	106
352	Contrast agents for confocal microscopy: how simple chemicals affect confocal images of normal and cancer cells in suspension. Journal of Biomedical Optics, 2002, 7, 398.	2.6	34
353	Fluorescence spectroscopy for cervical precancer detection: Is there variance across the menstrual cycle?. Journal of Biomedical Optics, 2002, 7, 595.	2.6	25
354	Miniature injection-molded optics for fiber-optic, in vivo confocal microscopy. , 2002, , .		1
355	Variation of fluorescence spectroscopy during the menstrual cycle. Optics Express, 2002, 10, 493.	3.4	9
356	Design of a high-numerical-aperture miniature microscope objective for an endoscopic fiber confocal reflectance microscope. Applied Optics, 2002, 41, 4603.	2.1	89
357	Toward the development of miniaturized imaging systems for detection of pre-cancer. IEEE Journal of Quantum Electronics, 2002, 38, 122-130.	1.9	31
358	Near Real-Time Confocal Microscopy of Amelanotic Tissue. Academic Radiology, 2002, 9, 504-512.	2.5	110
359	Endoscopic Microscopy. Disease Markers, 2002, 18, 269-291.	1.3	28
360	Fiber-optic confocal reflectance microscope with miniature objective for in vivo imaging of human tissues. IEEE Transactions on Biomedical Engineering, 2002, 49, 1168-1172.	4.2	80

#	Article	IF	Citations
361	Optimal excitation wavelengths for discrimination of cervical neoplasia. IEEE Transactions on Biomedical Engineering, 2002, 49, 1102-1111.	4.2	59
362	Optical spectroscopy for detection of neoplasia. Current Opinion in Chemical Biology, 2002, 6, 651-658.	6.1	168
363	Near real time in vivo fibre optic confocal microscopy: sub-cellular structure resolved. Journal of Microscopy, 2002, 207, 137-145.	1.8	50
364	Near real time in vivo fibre optic confocal microscopy: subcellular structure resolved. Journal of Microscopy, 2002, 208, 75-75.	1.8	2
365	Near real-time in vivo confocal imaging of mouse mammary tumors. Frontiers in Bioscience - Landmark, 2002, 7, f1.	3.0	14
366	Detection of Fresh Cervical Tissue Autofluorescence with Laser Scanning Confocal Microscopy. , 2002, , .		0
367	Optimal Visual Perception and Detection of Oral Cavity Neoplasia Reflectance and Fluorescence. , 2002, , .		0
368	Polarized reflectance spectroscopy instrument for the clinical setting. , 2002, , .		0
369	Detection of dysplasia with near real time confocal microscopy. Biomedical Sciences Instrumentation, 2002, 38, 393-8.	0.2	10
370	Near-Infrared Raman Spectroscopy for in vivo Detection of Cervical Precancers. Applied Spectroscopy, 2001, 55, 955-959.	2.2	258
371	Low Temperature Fluorescence Imaging of Freeze-trapped Human Cervical Tissues. Optics Express, 2001, 8, 335.	3.4	84
372	Fiber confocal reflectance microscope (FCRM) for in-vivo imaging. Optics Express, 2001, 9, 821.	3.4	59
373	Fluorescence spectroscopy of epithelial tissue throughout the dysplasia-carcinoma sequence in an animal model: Spectroscopic changes precede morphologic changes. Lasers in Surgery and Medicine, 2001, 29, 1-10.	2.1	26
374	Fluorescence spectroscopy for in vivo characterization of ovarian tissue. Lasers in Surgery and Medicine, 2001, 29, 128-135.	2.1	44
375	Reflectance spectroscopy for in vivo characterization of ovarian tissue. Lasers in Surgery and Medicine, 2001, 28, 56-66.	2.1	88
376	Autofluorescence Microscopy of Fresh Cervical-Tissue Sections Reveals Alterations in Tissue Biochemistry with DysplasiaÂ¶. Photochemistry and Photobiology, 2001, 73, 636-641.	2.5	147
377	Fast and noninvasive fluorescence imaging of biological tissues in vivo using a flying-spot scanner. IEEE Transactions on Biomedical Engineering, 2001, 48, 1034-1041.	4.2	36
378	Understanding the contributions of NADH and collagen to cervical tissue fluorescence spectra: Modeling, measurements, and implications. Journal of Biomedical Optics, 2001, 6, 385.	2.6	278

#	Article	IF	Citations
379	Autofluorescence Microscopy of Fresh Cervical-Tissue Sections Reveals Alterations in Tissue Biochemistry with DysplasiaÂ¶. Photochemistry and Photobiology, 2001, 73, 636.	2.5	93
380	Laser scanning confocal microscopy of cervical tissue before and after application of acetic acid. American Journal of Obstetrics and Gynecology, 2000, 182, 1135-1139.	1.3	127
381	Characterization of the Autofluorescence of Polymorphonuclear Leukocytes, Mononuclear Leukocytes and Cervical Epithelial Cancer Cells for Improved Spectroscopic Discrimination of Inflammation from Dysplasia. Photochemistry and Photobiology, 2000, 71, 327-332.	2.5	52
382	Emerging Technologies and Cervical Cancer. Journal of the National Cancer Institute, 2000, 92, 363-365.	6.3	25
383	Optimal Excitation Wavelengths for In Vivo Detection of Oral Neoplasia Using Fluorescence SpectroscopyÂ¶. Photochemistry and Photobiology, 2000, 72, 103.	2.5	135
384	Near Real Time Confocal Microscopy of Amelanotic Tissue: Dynamics of Aceto-Whitening Enable Nuclear Segmentation. Optics Express, 2000, 6, 40.	3.4	65
385	A pulsed finite-difference time-domain (FDTD) method for calculating light scattering from biological cells over broad wavelength ranges. Optics Express, 2000, 6, 147.	3.4	109
386	Optimal fluorescence excitation wavelengths for detection of squamous intra-epithelial neoplasia: results from an animal model. Optics Express, 2000, 7, 436.	3.4	30
387	Fiber-optic confocal microscopy using a spatial light modulator. Optics Letters, 2000, 25, 1780.	3.3	83
388	Light scattering from normal and neoplastic cells: FDTD modeling based on quantitative cytology. , 2000, , .		1
389	Characterization of the Autofluorescence of Polymorphonuclear Leukocytes, Mononuclear Leukocytes and Cervical Epithelial Cancer Cells for Improved Spectroscopic Discrimination of Inflammation from Dysplasia. Photochemistry and Photobiology, 2000, 71, 327.	2.5	6
390	Autofluorescence Patterns in Short-Term Cultures of Normal Cervical Tissue. Photochemistry and Photobiology, 2000, 71, 730.	2.5	79
391	Combined fluorescence and reflectance spectroscopy for pre-cancer detection: How many measurements do we need?. , 2000, , .		0
392	Fibre Optic Probes in Optical Spectroscopy, Clinical Applications*. , 1999, , 573-588.		0
393	Fibre Optic Probes in Optical Spectroscopy, Clinical Applications. , 1999, , 512-528.		0
394	Performance estimation of diagnostic tests for cervical precancer based on fluorescence spectroscopy: effects of tissue type, sample size, population, and signal-to-noise ratio. IEEE Transactions on Biomedical Engineering, 1999, 46, 1293-1303.	4.2	28
395	Cervical fluorescence of normal women. , 1999, 24, 29-37.		35
396	Fluorescence spectroscopy of the cervix: Influence of acetic acid, cervical mucus, and vaginal medications. , 1999, 25, 237-249.		34

#	Article	IF	Citations
397	A Comparison of C/B Ratios from Studies Using Receiver Operating Characteristic Curve Analysis. Journal of Clinical Epidemiology, 1999, 52, 885-892.	5.0	183
398	Fluorescence spectroscopy for diagnosis of squamous intraepithelial lesions of the cervix. Obstetrics and Gynecology, 1999, 93, 462-470.	2.4	76
399	Screening for squamous intraepithelial lesions with fluorescence spectroscopy*1. Obstetrics and Gynecology, 1999, 94, 889-896.	2.4	31
400	Reflectance spectroscopy with polarized light: is it sensitive to cellular and nuclear morphology. Optics Express, 1999, 5, 302.	3.4	193
401	Light scattering from cells: finite-difference time-domain simulations and goniometric measurements. Applied Optics, 1999, 38, 3651.	2.1	262
402	Resonance Raman Spectroscopy at 257 nm Excitation of Normal and Malignant Cultured Breast and Cervical Cells. Applied Spectroscopy, 1999, 53, 82-85.	2.2	45
403	Fluorescence Excitation Emission Matrices of Human Tissue: A System forin vivoMeasurement and Method of Data Analysis. Applied Spectroscopy, 1999, 53, 302-311.	2.2	109
404	Spatially resolved spectral interferometry for determination of subsurface structure. Optics Letters, 1999, 24, 519.	3.3	103
405	SCREENING FOR SQUAMOUS INTRAEPITHELIAL LESIONS WITH FLUORESCENCE SPECTROSCOPY. Obstetrics and Gynecology, 1999, 94, 889-896.	2.4	14
406	FLUORESCENCE SPECTROSCOPY FOR DIAGNOSIS OF SQUAMOUS INTRAEPITHELIAL LESIONS OF THE CERVIX. Obstetrics and Gynecology, 1999, 93, 462-470.	2.4	42
407	Fluorescence spectroscopy of the cervix: Influence of acetic acid, cervical mucus, and vaginal medications. Lasers in Surgery and Medicine, 1999, 25, 237-249.	2.1	4
408	Development of a Fiber Optic Probe to Measure NIR Raman Spectra of Cervical Tissue In Vivo. Photochemistry and Photobiology, 1998, 68, 427-431.	2.5	161
409	Ensembles of radial basis function networks for spectroscopic detection of cervical precancer. IEEE Transactions on Biomedical Engineering, 1998, 45, 953-961.	4.2	78
410	Fluorescence spectroscopy: A technique with potential to improve the early detection of aerodigestive tract neoplasia. , 1998, 20, 556-562.		83
411	Cost-Effectiveness Analysis of Diagnosis and Management of Cervical Squamous Intraepithelial Lesions. Obstetrics and Gynecology, 1998, 91, 270-277.	2.4	48
412	Colposcopy for the diagnosis of squamous intraepithelial lesions: A meta-analysis. Obstetrics and Gynecology, 1998, 91, 626-631.	2.4	211
413	Penetration depth limits of in vivo confocal reflectance imaging. Applied Optics, 1998, 37, 2749.	2.1	70
414	Near Real Time Confocal Microscopy of Cultured Amelanotic Cells: Sources of Signal, Contrast Agents and Limits of Contrast. Journal of Biomedical Optics, 1998, 3, 429.	2.6	68

#	Article	IF	Citations
415	Noninvasive Diagnosis of Oral Neoplasia Based on Fluorescence Spectroscopy and Native Tissue Autofluorescence. JAMA Otolaryngology, 1998, 124, 1251.	1.2	193
416	COLPOSCOPY FOR THE DIAGNOSIS OF SQUAMOUS INTRAEPITHELIAL LESIONS. Obstetrics and Gynecology, 1998, 91, 626-631.	2.4	138
417	Development of a Fiber Optic Probe to Measure NIR Raman Spectra of Cervical Tissue In Vivo. Photochemistry and Photobiology, 1998, 68, 427.	2.5	118
418	In-vivo Fluorescence EEM Collection of Normal and Cancerous Epithelial Tissue in the Hamster Cheek Pouch Model. , 1998, , .		0
419	Acetic Acid: A Contrast Agent in Optical Imaging and Spectroscopy of Tissue. , 1998, , .		1
420	Finite-difference time-domain simulation of light scattering from single cells. Journal of Biomedical Optics, 1997, 2, 262.	2.6	73
421	‹title›Melanin effect on light scattering in tissues: from electrodynamics of living cells to OCT imaging‹/title›. , 1997, , .		6
422	Safety Analysis: Relative Risks of Ultraviolet Exposure from Fluorescence Spectroscopy and Colposcopy Are Comparable*. Photochemistry and Photobiology, 1997, 65, 1020-1025.	2.5	19
423	Propagation of fluorescent light. , 1997, 21, 166-178.		154
424	Propagation of fluorescent light. Lasers in Surgery and Medicine, 1997, 21, 166-178.	2.1	6
425	QUANTITATIVE OPTICAL SPECTROSCOPY FOR TISSUE DIAGNOSIS. Annual Review of Physical Chemistry, 1996, 47, 555-606.	10.8	1,181
426	Optical technology in medicine and biology: Introduction. Applied Optics, 1996, 35, 3313.	2.1	0
427	Sources of contrast in confocal reflectance imaging. Applied Optics, 1996, 35, 3441.	2.1	69
428	Raman spectroscopy for the detection of cancers and precancers. Journal of Biomedical Optics, 1996, 1, 31.	2.6	443
429	Cervical Precancer Detection Using a Multivariate Statistical Algorithm Based on Laserâ€Induced Fluorescence Spectra at Multiple Excitation Wavelengths. Photochemistry and Photobiology, 1996, 64, 720-735.	2.5	231
430	Development of a multivariate statistical algorithm to analyze human cervical tissue fluorescence spectra acquired in vivo. , 1996, 19, 46-62.		120
431	Spectroscopic diagnosis of cervical intraepithelial neoplasia (CIN) in vivo using laser-induced fluorescence spectra at multiple excitation wavlengths. , 1996, 19, 63-74.		113
432	Comparison of methods to determine chromophore concentrations from fluorescence spectra of turbid samples. Lasers in Surgery and Medicine, 1996, 19, 75-89.	2.1	48

#	Article	IF	Citations
433	Comparison of methods to determine chromophore concentrations from fluorescence spectra of turbid samples. , 1996, 19, 75.		1
434	Development of a multivariate statistical algorithm to analyze human cervical tissue fluorescence spectra acquired in vivo. Lasers in Surgery and Medicine, 1996, 19, 46-62.	2.1	11
435	Combined ultrasound and fluorescence spectroscopy for physico-chemical imaging of atherosclerosis. IEEE Transactions on Biomedical Engineering, 1995, 42, 121-132.	4.2	25
436	Chemoprevention trials and surrogate end point biomarkers in the cervix. Cancer, 1995, 76, 1956-1977.	4.1	37
437	Chemoprvention traials in the cervix: Design, feasibility, and recruitment. Journal of Cellular Biochemistry, 1995, 59, 104-112.	2.6	13
438	Statistical techniques for diagnosing CIN using fluorescence spectroscopy: SVD and CART. Journal of Cellular Biochemistry, 1995, 59, 125-130.	2.6	19
439	<title>Optical techniques for diagnosis of cervical precancers: a comparison of Raman and fluorescence spectroscopies</title>. , 1995, , .		8
440	Fluorescence Spectroscopy of Turbid Media. , 1995, , 667-707.		15
441	Fluorescence Spectroscopy: A Diagnostic Tool for Cervical Intraepithelial Neoplasia (CIN). Gynecologic Oncology, 1994, 52, 31-38.	1.4	155
442	Description and Performance of a Fiber-Optic Confocal Fluorescence Spectrometer. Applied Spectroscopy, 1994, 48, 350-355.	2.2	9
443	In vivo diagnosis of cervical intraepithelial neoplasia using 337-nm-excited laser-induced fluorescence.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 10193-10197.	7.1	269
444	Study of the fluorescence properties of normal and neoplastic human cervical tissue. Lasers in Surgery and Medicine, 1993, 13, 647-655.	2.1	106
445	A CHARACTERIZATION OF THE FLUORESCENT PROPERTIES OF CIRCULATING HUMAN EOSINOPHILS. Photochemistry and Photobiology, 1993, 58, 297-303.	2.5	30
446	<title>Dual imaging of arterial walls: intravascular ultrasound and fluorescence spectroscopy</title>. , 1993, , .		4
447	476 nm Excited laser-induced fluorescence spectroscopy of human coronary arteries: Applications in cardiology. American Heart Journal, 1991, 122, 1141-1150.	2.7	36
448	SPECTROSCOPIC DIAGNOSIS OF COLONIC DYSPLASIA. Photochemistry and Photobiology, 1991, 53, 777-786.	2.5	188
449	<title>Early detection of dysplasia in colon and bladder tissue using laser-induced fluorescence</title>. , 1991, , .		7
450	Survey of the UV and Visible Spectroscopic Properties of Normal and Atherosclerotic Human Artery Using Fluorescence EEMs. , 1991, , 129-138.		0

#	Article	IF	Citations
451	Gastrointestinal tissue diagnosis by laser-induced fluorescence spectroscopy at endoscopy. Gastrointestinal Endoscopy, 1990, 36, 105-111.	1.0	308
452	A one-layer model of laser-induced fluorescence for diagnosis of disease in human tissue: applications to atherosclerosis. IEEE Transactions on Biomedical Engineering, 1989, 36, 1222-1232.	4.2	121
453	Alteration of spectral characteristics of human artery wall caused by 476-nm laser irradiation. Lasers in Surgery and Medicine, 1989, 9, 572-580.	2.1	15
454	Fluorescence spectroscopy of turbid media: Autofluorescence of the human aorta. Applied Optics, 1989, 28, 4286.	2.1	182
455	Spectral diagnosis of atherosclerosis using an optical fiber laser catheter. American Heart Journal, 1989, 118, 381-391.	2.7	59
456	Argon ion laser-excited autofluorescence in normal and atherosclerotic aorta and coronary arteries: Morphologic studies. American Heart Journal, 1989, 118, 1028-1038.	2.7	53
457	Remote biomedical spectroscopic imaging of human artery wall. Lasers in Surgery and Medicine, 1988, 8, 1-9.	2.1	60
458	Evaluation of a Point-of-Care Test for Bilirubin in Malawi. Pediatrics, 0, , .	2.1	3