Ann Marie Gillenwater

List of Publications by Year
in descending order

76 papers	3,903 citations	109321 35 h-index	123424 61 g-index
78 all docs	78 docs citations	78 times ranked	3636 citing authors

#	Article	IF	Citations
1	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
2	Phase II Randomized, Placebo-Controlled Trial of Green Tea Extract in Patients with High-Risk Oral Premalignant Lesions. Cancer Prevention Research, 2009, 2, 931-941.	1.5	210
3	Noninvasive Diagnosis of Oral Neoplasia Based on Fluorescence Spectroscopy and Native Tissue Autofluorescence. JAMA Otolaryngology, 1998, 124, 1251.	1.2	193
4	Optical Systems for in Vivo Molecular Imaging of Cancer. Technology in Cancer Research and Treatment, 2003, 2, 491-504.	1.9	193
5	Subcellular-resolution molecular imaging within living tissue by fiber microendoscopy. Optics Express, 2007, 15, 16413.	3.4	193
6	Objective Detection and Delineation of Oral Neoplasia Using Autofluorescence Imaging. Cancer Prevention Research, 2009, 2, 423-431.	1.5	158
7	Optimal Excitation Wavelengths for In Vivo Detection of Oral Neoplasia Using Fluorescence SpectroscopyÂ¶. Photochemistry and Photobiology, 2000, 72, 103.	2.5	135
8	Light Scattering from Collagen Fiber Networks: Micro-Optical Properties of Normal and Neoplastic Stroma. Biophysical Journal, 2007, 92, 3260-3274.	0.5	120
9	Functional expression of receptor activator of nuclear factor Î¹B in Hodgkin disease cell lines. Blood, 2001, 98, 2784-2790.	1.4	117
10	Combined Interferon-Alfa, 13-cis-Retinoic Acid, and Alpha-Tocopherol in Locally Advanced Head and Neck Squamous Cell Carcinoma: Novel Bioadjuvant Phase II Trial. Journal of Clinical Oncology, 2001, 19, 3010-3017.	1.6	115
11	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
12	Suberoylanilide Hydroxamic Acid Potentiates Apoptosis, Inhibits Invasion, and Abolishes Osteoclastogenesis by Suppressing Nuclear Factor-Î¹B Activation. Journal of Biological Chemistry, 2006, 281, 5612-5622.	3.4	108
13	In vivo fiber-optic confocal reflectance microscope with an injection-molded plastic miniature objective lens. Applied Optics, 2005, 44, 1792.	2.1	102
14	Noninvasive evaluation of oral lesions using depthâ€sensitive optical spectroscopy. Cancer, 2009, 115, 1669-1679.	4.1	102
15	Advances in fluorescence imaging techniques to detect oral cancer and its precursors. Future Oncology, 2010, 6, 1143-1154.	2.4	102
16	Vision enhancement system for detection of oral cavity neoplasia based on autofluorescence. Head and Neck, 2004, 26, 205-215.	2.0	97
17	Accuracy of In Vivo Multimodal Optical Imaging for Detection of Oral Neoplasia. Cancer Prevention Research, 2012, 5, 801-809.	1.5	92
18	Fluorescence spectroscopy: A technique with potential to improve the early detection of aerodigestive tract neoplasia. , 1998, 20, 556-562.		83

#	Article	IF	Citations
19	Expression of galectins in head and neck squamous cell carcinoma. Head and Neck, 1996, 18, 422-432.	2.0	76
20	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
21	Ball lens coupled fiber-optic probe for depth-resolved spectroscopy of epithelial tissue. Optics Letters, 2005, 30, 1159.	3.3	66
22	A Fiber-Optic Fluorescence Microscope Using a Consumer-Grade Digital Camera for In Vivo Cellular Imaging. PLoS ONE, 2010, 5, e11218.	2.5	64
23	Prognostic Factors for Survival in Malignant Melanoma of the Eyelid Skin. Ophthalmic Plastic and Reconstructive Surgery, 2000, 16, 250-257.	0.8	61
24	Detection and diagnosis of oral neoplasia with an optical coherence microscope. Journal of Biomedical Optics, 2004, 9, 1271.	2.6	61
25	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
26	Oral premalignancy: New methods of detection and treatment. Current Oncology Reports, 2006, 8, 146-154.	4.0	56
27	Reduced DNA Repair Capacity for Removing Tobacco Carcinogenâ€“Induced DNA Adducts Contributes to Risk of Head and Neck Cancer but not Tumor Characteristics. Clinical Cancer Research, 2010, 16, 764-774.	7.0	50
28	Multimodal snapshot spectral imaging for oral cancer diagnostics: a pilot study. Biomedical Optics Express, 2013, 4, 938.	2.9	49
29	Intraarterial cisplatin with intravenous paclitaxel and ifosfamide as an organ-preservation approach in patients with paranasal sinus carcinoma. Cancer, 2003, 98, 2214-2223.	4.1	48
30	Moderately Differentiated Neuroendocrine Carcinoma (Atypical Carcinoid) of the Larynx: A Clinically Aggressive Tumor. Laryngoscope, 2005, 115, 1191-1195.	2.0	47
31	Evaluation of a low-cost, portable imaging system for early detection of oral cancer. Head & Neck Oncology, 2010, 2, 10.	2.3	47
32	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
33	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
34	Cyclin D1 and Cancer Development in Laryngeal Premalignancy Patients. Cancer Prevention Research, 2009, 2, 14-21.	1.5	42
35	A Far-red Fluorescent Contrast Agent to Image Epidermal Growth Factor Receptor Expression. Photochemistry and Photobiology, 2004, 79, 272.	2.5	39
36	Modulation of galectin-1 content in human head and neck squamous carcinoma cells by sodium butyrate. , 1998, 75, 217-224.		38

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37	Genotypic Alterations in Benign and Malignant Salivary Gland Tumors: Histogenetic and Clinical Implications. American Journal of Surgical Pathology, 1997, 21, 691-697.	3.7	37
38	Probing local tissue changes in the oral cavity for early detection of cancer using oblique polarized reflectance spectroscopy: a pilot clinical trial. Journal of Biomedical Optics, 2008, 13, 024011.	2.6	32
39	Head & neck optical diagnostics: vision of the future of surgery. Head & Neck Oncology, 2009, 1, 25.	2.3	32
40	Depression and Oropharynx Cancer Outcome. Psychosomatic Medicine, 2016, 78, 38-48.	2.0	29
41	Polarized Reflectance Spectroscopy for Pre-Cancer Detection. Technology in Cancer Research and Treatment, 2004, 3, 1-14.	1.9	28
42	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
43	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
44	Optical Molecular Imaging of Epidermal Growth Factor Receptor Expression to Improve Detection of Oral Neoplasia. Neoplasia, 2009, 11, 542-551.	5.3	25
45	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
46	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
47	Incidental detection of an occult oral malignancy with autofluorescence imaging: a case report. Head & Neck Oncology, 2009, 1, 37.	2.3	17
48	Efficient mucosal delivery of optical contrast agents using imidazole-modified chitosan. Journal of Biomedical Optics, 2010, 15, 1.	2.6	17
49	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
50	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
51	Development of a multimodal foveated endomicroscope for the detection of oral cancer. Biomedical Optics Express, 2017, 8, 1525.	2.9	16
52	Effects of sodium butyrate on growth, differentiation, and apoptosis in head and neck squamous carcinoma cell lines. , 2000, 22, 247-256.		14
53	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
54	Optimal visual perception and detection of oral cavity neoplasia. IEEE Transactions on Biomedical Engineering, 2003, 50, 396-399.	4.2	12

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55	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
56	Chromosomal and DNA ploidy characterization of salivary gland neoplasms by combined FISH and flow cytometry. Human Pathology, 1997, 28, 881-886.	2.0	7
57	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
58	Rosai-Dorfman disease misdiagnosed as active tuberculosis. Leukemia and Lymphoma, 2006, 47, 1441-1442.	1.3	5
59	Tertiary lymphoid structures with overlapping histopathologic features of cutaneous marginal zone lymphoma during neoadjuvant cemiplimab therapy are associated with antitumor response. Journal of Cutaneous Pathology, 2021, 48, 674-679.	1.3	4
60	A farâ€red fluorescent contrast agent to image epidermal growth factor receptor expression. Photochemistry and Photobiology, 2004, 79, 272-279.	2.5	3
61	Wide-field and high-resolution optical imaging for early detection of oral neoplasia. Head & Neck Oncology, 2010, 2, .	2.3	3
62	Expression of galectins in head and neck squamous cell carcinoma. Head and Neck, 1996, 18, 422-432.	2.0	3
63	Optical technologies for detection and diagnosis of oral neoplasia. Head & Neck Oncology, 2009, 1, .	2.3	2
64	Miniature injection-molded optics for fiber-optic, in vivo confocal microscopy. , 2002, , .		1
65	A fiber-optic fluorescence microscope using a consumer-grade digital camera for in vivo cellular imaging. , 2010, , .		1
66	Optically Cleared Mouse Tongues for Three-Dimensional Investigation of Oral Neoplasia. , 2016, , .		1
67	Noninvasive Autofluorescence Imaging for Tracking and Monitoring the Progression of Oral Premalignant Lesions. , 2018, , .		1
68	<title>Cancer screening through the use of enhanced visual systems</title>. , 2001, , .		0
69	Computational analysis of light scattering from collagen fiber networks. Proceedings of SPIE, 2007, , .	0.8	0
70	Confocal Microscopy and Optical Contrast Agents for In Vivo Detection Of Cancer. Microscopy and Microanalysis, 2008, 14, 728-729.	0.4	0
71	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
72	The Role of Palliative Care in Oral Cavity Carcinoma. Current Otorhinolaryngology Reports, 2018, 6, 276-284.	0.5	0

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73	Optimal Visual Perception and Detection of Oral Cavity Neoplasia Reflectance and Fluorescence. , 2002, , .		0
74	Molecular imaging of carcinogenesis with metal nanoparticles. , 2004, , .		0
75	Clinical evaluation of a high-resolution microendoscope for early diagnosis of cancer. , 2010, , .		0
76	Quantitative Image Analysis to Predict the Neoplastic Region in Oral Squamous Cell Carcinoma using Multiple Fluorescent Contrast Agents. , 2010, , .		0