

Ann Marie Gillenwater

List of Publications by Year in descending order

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76
papers

3,903
citations

109264

35
h-index

123376

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. <i>Clinical Cancer Research</i> , 2008, 14, 2396-2404.	3.2	224
2	Phase II Randomized, Placebo-Controlled Trial of Green Tea Extract in Patients with High-Risk Oral Premalignant Lesions. <i>Cancer Prevention Research</i> , 2009, 2, 931-941.	0.7	210
3	Noninvasive Diagnosis of Oral Neoplasia Based on Fluorescence Spectroscopy and Native Tissue Autofluorescence. <i>JAMA Otolaryngology</i> , 1998, 124, 1251.	1.5	193
4	Optical Systems for <i>In Vivo</i> Molecular Imaging of Cancer. <i>Technology in Cancer Research and Treatment</i> , 2003, 2, 491-504.	0.8	193
5	Subcellular-resolution molecular imaging within living tissue by fiber microendoscopy. <i>Optics Express</i> , 2007, 15, 16413.	1.7	193
6	Objective Detection and Delineation of Oral Neoplasia Using Autofluorescence Imaging. <i>Cancer Prevention Research</i> , 2009, 2, 423-431.	0.7	158
7	Optimal Excitation Wavelengths for <i>In Vivo</i> Detection of Oral Neoplasia Using Fluorescence Spectroscopy. <i>Photochemistry and Photobiology</i> , 2000, 72, 103.	1.3	135
8	Light Scattering from Collagen Fiber Networks: Micro-Optical Properties of Normal and Neoplastic Stroma. <i>Biophysical Journal</i> , 2007, 92, 3260-3274.	0.2	120
9	Functional expression of receptor activator of nuclear factor κ B in Hodgkin disease cell lines. <i>Blood</i> , 2001, 98, 2784-2790.	0.6	117
10	Combined Interferon- α , 13-cis-Retinoic Acid, and Alpha-Tocopherol in Locally Advanced Head and Neck Squamous Cell Carcinoma: Novel Bioadjuvant Phase II Trial. <i>Journal of Clinical Oncology</i> , 2001, 19, 3010-3017.	0.8	115
11	Fluorescence Excitation Emission Matrices of Human Tissue: A System for <i>In Vivo</i> Measurement and Method of Data Analysis. <i>Applied Spectroscopy</i> , 1999, 53, 302-311.	1.2	109
12	Suberoylanilide Hydroxamic Acid Potentiates Apoptosis, Inhibits Invasion, and Abolishes Osteoclastogenesis by Suppressing Nuclear Factor- κ B Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 5612-5622.	1.6	108
13	<i>In vivo</i> fiber-optic confocal reflectance microscope with an injection-molded plastic miniature objective lens. <i>Applied Optics</i> , 2005, 44, 1792.	2.1	102
14	Noninvasive evaluation of oral lesions using depth-sensitive optical spectroscopy. <i>Cancer</i> , 2009, 115, 1669-1679.	2.0	102
15	Advances in fluorescence imaging techniques to detect oral cancer and its precursors. <i>Future Oncology</i> , 2010, 6, 1143-1154.	1.1	102
16	Vision enhancement system for detection of oral cavity neoplasia based on autofluorescence. <i>Head and Neck</i> , 2004, 26, 205-215.	0.9	97
17	Accuracy of <i>In Vivo</i> Multimodal Optical Imaging for Detection of Oral Neoplasia. <i>Cancer Prevention Research</i> , 2012, 5, 801-809.	0.7	92
18	Fluorescence spectroscopy: A technique with potential to improve the early detection of aerodigestive tract neoplasia. , 1998, 20, 556-562.		83

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19	Expression of galectins in head and neck squamous cell carcinoma. <i>Head and Neck</i> , 1996, 18, 422-432.	0.9	76
20	Molecular imaging of glucose uptake in oral neoplasia following topical application of fluorescently labeled deoxy- α -glucose. <i>International Journal of Cancer</i> , 2009, 124, 2634-2642.	2.3	75
21	Ball lens coupled fiber-optic probe for depth-resolved spectroscopy of epithelial tissue. <i>Optics Letters</i> , 2005, 30, 1159.	1.7	66
22	A Fiber-Optic Fluorescence Microscope Using a Consumer-Grade Digital Camera for In Vivo Cellular Imaging. <i>PLoS ONE</i> , 2010, 5, e11218.	1.1	64
23	Prognostic Factors for Survival in Malignant Melanoma of the Eyelid Skin. <i>Ophthalmic Plastic and Reconstructive Surgery</i> , 2000, 16, 250-257.	0.4	61
24	Detection and diagnosis of oral neoplasia with an optical coherence microscope. <i>Journal of Biomedical Optics</i> , 2004, 9, 1271.	1.4	61
25	Noninvasive diagnostic adjuncts for the evaluation of potentially premalignant oral epithelial lesions: current limitations and future directions. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 125, 670-681.	0.2	60
26	Oral premalignancy: New methods of detection and treatment. <i>Current Oncology Reports</i> , 2006, 8, 146-154.	1.8	56
27	Reduced DNA Repair Capacity for Removing Tobacco Carcinogen-Induced DNA Adducts Contributes to Risk of Head and Neck Cancer but not Tumor Characteristics. <i>Clinical Cancer Research</i> , 2010, 16, 764-774.	3.2	50
28	Multimodal snapshot spectral imaging for oral cancer diagnostics: a pilot study. <i>Biomedical Optics Express</i> , 2013, 4, 938.	1.5	49
29	Intraarterial cisplatin with intravenous paclitaxel and ifosfamide as an organ-preservation approach in patients with paranasal sinus carcinoma. <i>Cancer</i> , 2003, 98, 2214-2223.	2.0	48
30	Moderately Differentiated Neuroendocrine Carcinoma (Atypical Carcinoid) of the Larynx: A Clinically Aggressive Tumor. <i>Laryngoscope</i> , 2005, 115, 1191-1195.	1.1	47
31	Evaluation of a low-cost, portable imaging system for early detection of oral cancer. <i>Head & Neck Oncology</i> , 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. <i>Journal of Biomedical Optics</i> , 2008, 13, 064012.	1.4	45
33	Discrimination of Benign and Neoplastic Mucosa with a High-Resolution Microendoscope (HRME) in Head and Neck Cancer. <i>Annals of Surgical Oncology</i> , 2012, 19, 3534-3539.	0.7	45
34	Cyclin D1 and Cancer Development in Laryngeal Premalignancy Patients. <i>Cancer Prevention Research</i> , 2009, 2, 14-21.	0.7	42
35	A Far-red Fluorescent Contrast Agent to Image Epidermal Growth Factor Receptor Expression. <i>Photochemistry and Photobiology</i> , 2004, 79, 272.	1.3	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. <i>American Journal of Surgical Pathology</i> , 1997, 21, 691-697.	2.1	37
38	Probing local tissue changes in the oral cavity for early detection of cancer using oblique polarized reflectance spectroscopy: a pilot clinical trial. <i>Journal of Biomedical Optics</i> , 2008, 13, 024011.	1.4	32
39	Head & neck optical diagnostics: vision of the future of surgery. <i>Head & Neck Oncology</i> , 2009, 1, 25.	2.3	32
40	Depression and Oropharynx Cancer Outcome. <i>Psychosomatic Medicine</i> , 2016, 78, 38-48.	1.3	29
41	Polarized Reflectance Spectroscopy for Pre-Cancer Detection. <i>Technology in Cancer Research and Treatment</i> , 2004, 3, 1-14.	0.8	28
42	Emerging Roles for Multimodal Optical Imaging in Early Cancer Detection: A Global Challenge. <i>Technology in Cancer Research and Treatment</i> , 2010, 9, 211-217.	0.8	27
43	Dual-mode reflectance and fluorescence near-video-rate confocal microscope for architectural, morphological and molecular imaging of tissue. <i>Journal of Microscopy</i> , 2007, 228, 11-24.	0.8	26
44	Optical Molecular Imaging of Epidermal Growth Factor Receptor Expression to Improve Detection of Oral Neoplasia. <i>Neoplasia</i> , 2009, 11, 542-551.	2.3	25
45	Real-time detection of epidermal growth factor receptor expression in fresh oral cavity biopsies using a molecular-specific contrast agent. <i>International Journal of Cancer</i> , 2006, 118, 3062-3071.	2.3	21
46	Prospective Evaluation of Multimodal Optical Imaging with Automated Image Analysis to Detect Oral Neoplasia In Vivo. <i>Cancer Prevention Research</i> , 2017, 10, 563-570.	0.7	20
47	Incidental detection of an occult oral malignancy with autofluorescence imaging: a case report. <i>Head & Neck Oncology</i> , 2009, 1, 37.	2.3	17
48	Efficient mucosal delivery of optical contrast agents using imidazole-modified chitosan. <i>Journal of Biomedical Optics</i> , 2010, 15, 1.	1.4	17
49	Optical Molecular Imaging of Multiple Biomarkers of Epithelial Neoplasia: Epidermal Growth Factor Receptor Expression and Metabolic Activity in Oral Mucosa. <i>Translational Oncology</i> , 2012, 5, 160-171.	1.7	17
50	Vital-dye-enhanced multimodal imaging of neoplastic progression in a mouse model of oral carcinogenesis. <i>Journal of Biomedical Optics</i> , 2013, 18, 126017.	1.4	17
51	Development of a multimodal foveated endomicroscope for the detection of oral cancer. <i>Biomedical Optics Express</i> , 2017, 8, 1525.	1.5	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	<i>In Vivo</i> Multimodal Optical Imaging: Improved Detection of Oral Dysplasia in Low-Risk Oral Mucosal Lesions. <i>Cancer Prevention Research</i> , 2018, 11, 465-476.	0.7	13
54	Optimal visual perception and detection of oral cavity neoplasia. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 396-399.	2.5	12

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55	Physical and chemical stability of proflavine contrast agent solutions for early detection of oral cancer. <i>Journal of Oncology Pharmacy Practice</i> , 2016, 22, 21-25.	0.5	9
56	Chromosomal and DNA ploidy characterization of salivary gland neoplasms by combined FISH and flow cytometry. <i>Human Pathology</i> , 1997, 28, 881-886.	1.1	7
57	Detection of the Molecular Changes Associated with Oral Cancer Using a Molecular-Specific Fluorescent Contrast Agent and Single-Wavelength Spectroscopy. <i>Applied Spectroscopy</i> , 2005, 59, 1166-1173.	1.2	7
58	Rosai-Dorfman disease misdiagnosed as active tuberculosis. <i>Leukemia and Lymphoma</i> , 2006, 47, 1441-1442.	0.6	5
59	Tertiary lymphoid structures with overlapping histopathologic features of cutaneous marginal zone lymphoma during neoadjuvant cemiplimab therapy are associated with antitumor response. <i>Journal of Cutaneous Pathology</i> , 2021, 48, 674-679.	0.7	4
60	A far-red fluorescent contrast agent to image epidermal growth factor receptor expression. <i>Photochemistry and Photobiology</i> , 2004, 79, 272-279.	1.3	3
61	Wide-field and high-resolution optical imaging for early detection of oral neoplasia. <i>Head & Neck Oncology</i> , 2010, 2, .	2.3	3
62	Expression of galectins in head and neck squamous cell carcinoma. , 1996, 18, 422.		3
63	Optical technologies for detection and diagnosis of oral neoplasia. <i>Head & Neck Oncology</i> , 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. <i>Proceedings of SPIE</i> , 2007, , .	0.8	0
70	Confocal Microscopy and Optical Contrast Agents for In Vivo Detection Of Cancer. <i>Microscopy and Microanalysis</i> , 2008, 14, 728-729.	0.2	0
71	<i>Ex vivo</i> high resolution imaging with a miniaturized microendoscope to discriminate between benign and malignant mucosa in the upper aerodigestive tract. <i>Laryngoscope</i> , 2010, 120, S162.	1.1	0
72	The Role of Palliative Care in Oral Cavity Carcinoma. <i>Current Otorhinolaryngology Reports</i> , 2018, 6, 276-284.	0.2	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