

Anna N Yaroslavsky

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,684
citations

257101

24
h-index

253896

43
g-index

70
all docs

70
docs citations

70
times ranked

2483
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical properties of normal and cancerous human skin in the visible and near-infrared spectral range. <i>Journal of Biomedical Optics</i> , 2006, 11, 064026.	1.4	462
2	Selective photothermolysis of lipid-rich tissues: A free electron laser study. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 913-919.	1.1	215
3	Terahertz biophotonics as a tool for studies of dielectric and spectral properties of biological tissues and liquids. <i>Progress in Quantum Electronics</i> , 2018, 62, 1-77.	3.5	204
4	Long-pulsed neodymium:yttrium-aluminum-garnet laser treatment for port-wine stains. <i>Journal of the American Academy of Dermatology</i> , 2005, 52, 480-490.	0.6	152
5	Low-level light stimulates excisional wound healing in mice. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 706-715.	1.1	152
6	Influence of the Scattering Phase Function Approximation on the Optical Properties of Blood Determined from the Integrating Sphere Measurements. <i>Journal of Biomedical Optics</i> , 1999, 4, 47.	1.4	101
7	Treatment planning for MRI-guided laser-induced interstitial thermotherapy of brain tumors—The role of blood perfusion. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 121-127.	1.9	96
8	Demarcation of Nonmelanoma Skin Cancer Margins in Thick Excisions Using Multispectral Polarized Light Imaging. <i>Journal of Investigative Dermatology</i> , 2003, 121, 259-266.	0.3	82
9	<title>Optical properties of blood in the near-infrared spectral range</title>. , 1996, , .		74
10	Imaging of <i>ex vivo</i> nonmelanoma skin cancers in the optical and terahertz spectral regions. <i>Optical and Terahertz skin cancers imaging. Journal of Biophotonics</i> , 2014, 7, 295-303.	1.1	74
11	Multimodal confocal microscopy for diagnosing nonmelanoma skin cancers. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 696-705.	1.1	69
12	Continuous wave terahertz transmission imaging of nonmelanoma skin cancers. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 457-462.	1.1	68
13	Fluorescence polarization imaging for delineating nonmelanoma skin cancers. <i>Optics Letters</i> , 2004, 29, 2010.	1.7	65
14	Polarization-Sensitive Multimodal Imaging for Detecting Breast Cancer. <i>Cancer Research</i> , 2014, 74, 4685-4693.	0.4	65
15	Phototoxicity is not associated with photochemical tissue bonding of skin. <i>Lasers in Surgery and Medicine</i> , 2010, 42, 123-131.	1.1	64
16	A scattering phase function for blood with physiological haematocrit. <i>Physics in Medicine and Biology</i> , 2001, 46, N65-N69.	1.6	59
17	Photochemical Cross-Linking for Collagen-Based Scaffolds: A Study on Optical Properties, Mechanical Properties, Stability, and Hematocompatibility. <i>Tissue Engineering</i> , 2007, 13, 73-85.	4.9	56
18	High-contrast mapping of basal cell carcinomas. <i>Optics Letters</i> , 2012, 37, 644.	1.7	55

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19	Photochemical repair of Achilles tendon rupture in a rat model. Journal of Surgical Research, 2005, 124, 274-279.	0.8	50
20	Combining multispectral polarized light imaging and confocal microscopy for localization of nonmelanoma skin cancer. Journal of Biomedical Optics, 2005, 10, 014011.	1.4	49
21	Fluorescence polarization of tetracycline derivatives as a technique for mapping nonmelanoma skin cancers. Journal of Biomedical Optics, 2007, 12, 014005.	1.4	42
22	Dye-Enhanced Multimodal Confocal Imaging as a Novel Approach to Intraoperative Diagnosis of Brain Tumors. Brain Pathology, 2013, 23, 73-81.	2.1	40
23	Fluorescence Polarization of Methylene Blue as a Quantitative Marker of Breast Cancer at the Cellular Level. Scientific Reports, 2019, 9, 940.	1.6	36
24	Multimodal optical imaging for detecting breast cancer. Journal of Biomedical Optics, 2012, 17, 066008.	1.4	31
25	Multimodal imaging for nonmelanoma skin cancer margin delineation. Lasers in Surgery and Medicine, 2017, 49, 319-326.	1.1	26
26	Delineating melanoma using multimodal polarized light imaging. Lasers in Surgery and Medicine, 2009, 41, 10-16.	1.1	22
27	Identifying brain neoplasms using dye-enhanced multimodal confocal imaging. Journal of Biomedical Optics, 2012, 17, 026012.	1.4	21
28	Dye-enhanced multimodal confocal microscopy for noninvasive detection of skin cancers in mouse models. Journal of Biomedical Optics, 2010, 15, 026023.	1.4	20
29	Terahertz spectroscopy of intrinsic biomarkers for non-melanoma skin cancer. , 2009, , .		19
30	<title>Different phase-function approximations to determine optical properties of blood: a comparison</title>. , 1997, 2982, 324.		16
31	Wavelength optimized cross-polarized wide-field imaging for noninvasive and rapid evaluation of dermal structures. Journal of Biophotonics, 2015, 8, 324-331.	1.1	15
32	Optical properties of native and coagulated human brain structures. , 1997, , .		14
33	Multimodal optical imaging and spectroscopy for the intraoperative mapping of nonmelanoma skin cancer. Journal of Applied Physics, 2009, 105, 102010.	1.1	13
34	Optical mapping of nonmelanoma skin Cancers – A pilot clinical study. Lasers in Surgery and Medicine, 2017, 49, 803-809.	1.1	13
35	Collagen disruption as a marker for basal cell carcinoma in presurgical margin detection. Lasers in Surgery and Medicine, 2018, 50, 902-907.	1.1	13
36	Dual-Wavelength Optical Polarization Imaging for Detecting Skin Cancer Margins. Journal of Investigative Dermatology, 2020, 140, 1994-2000.e1.	0.3	13

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37	Temperature induced changes in the optical properties of skin in vivo. Scientific Reports, 2021, 11, 754.	1.6	13
38	Demeclocycline as a contrast agent for detecting brain neoplasms using confocal microscopy. Physics in Medicine and Biology, 2015, 60, 3003-3011.	1.6	12
39	Delineating breast ductal carcinoma using combined dye-enhanced wide-field polarization imaging and optical coherence tomography. Journal of Biophotonics, 2013, 6, 679-686.	1.1	11
40	Polarization enhanced wide-field imaging for evaluating dermal changes caused by non-ablative fractional laser treatment. Lasers in Surgery and Medicine, 2016, 48, 150-156.	1.1	10
41	The Path to an Evidence-Based Treatment Protocol for Extraoral Photobiomodulation Therapy for the Prevention of Oral Mucositis. Frontiers in Oral Health, 2021, 2, 689386.	1.2	8
42	Changes in the optical properties of laser-coagulated and thermally coagulated bovine myocardium. , 1998, , .		7
43	Comparative evaluation of methylene blue and demeclocycline for enhancing optical contrast of gliomas in optical images. Journal of Biomedical Optics, 2014, 19, 090504.	1.4	7
44	Principles of Light-Skin Interactions. , 2009, , 1-44.		6
45	Dual-frequency continuous-wave terahertz transmission imaging of nonmelanoma skin cancers. , 2010, , .		6
46	Multimodal quantitative imaging of brain cancer in cultured cells. Biomedical Optics Express, 2019, 10, 4237.	1.5	6
47	Continuous-wave terahertz reflection imaging of ex vivo nonmelanoma skin cancers. , 2012, , .		5
48	Multimodal optical imaging of renal cells. Optical Engineering, 2019, 58, 1.	0.5	5
49	Fluorescence Polarization Imaging of Methylene Blue Facilitates Quantitative Detection of Thyroid Cancer in Single Cells. Cancers, 2022, 14, 1339.	1.7	4
50	Modeling of MR-guided laser-induced interstitial thermotherapy. , 1996, , .		3
51	<title>Small-angle approximation to determine radiance distribution of a finite beam propagating through a turbid medium</title>. , 1998, , .		2
52	<title>Feasibility of using diffuse reflectance spectroscopy for the quantification of brain edema</title>. , 2001, , .		2
53	Wound healing stimulation in mice by low-level light. , 2006, , .		2
54	Terahertz image processing for the skin cancer diagnostic. , 2014, , .		2

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55	Multimodal Optical and Terahertz Biopsy of Nonmelanoma Skin Cancers. , 2018, , .		2
56	Feasibility of dual-contrast fluorescence imaging of pathological breast tissues. Journal of Biophotonics, 2021, 14, e202100007.	1.1	2
57	Dye-enhanced reflectance and fluorescence confocal microscopy as an optical pathology tool. , 2006, , .		1
58	Combined optical and terahertz imaging for intraoperative delineation of nonmelanoma skin cancers. , 2016, , .		1
59	Validation of a Monte Carlo Modelling Based Dosimetry of Extraoral Photobiomodulation. Diagnostics, 2021, 11, 2207.	1.3	1
60	<title>Approximate time-dependent equation of radiative transfer for strongly forward-scattering media</title>. , 1998, , .		0
61	Scattering delay time of Mie scatterers determined from steady-state and time-resolved optical spectroscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2000, 17, 745.	0.8	0
62	Optical mapping of nonmelanoma skin cancer. , 2004, 5326, 60.		0
63	Biophotonics for dermatology: science & applications. Journal of Biophotonics, 2010, 3, 9-10.	1.1	0
64	Extraorally delivered photobiomodulation therapy for prevention of oropharyngeal mucositis in pediatric patients undergoing hematopoietic cell transplantation. Proceedings of SPIE, 2017, , .	0.8	0
65	Low-level light therapy for zymosan-induced arthritis in rats. , 2007, , .		0
66	Multimodal Confocal Imaging of Renal Fine Needle Aspiration Samples. , 2018, , .		0
67	Quantifying Subcellular Localization of Methylene Blue in Cultured Brain Cells. , 2019, , .		0
68	Differentiation of Benign and Malignant Breast Cells Using Quantitative Optical Imaging: A Novel Approach. , 2020, , .		0
69	Handheld Optical Polarization Imager Delineates Surgical Margins of Basal Cell Carcinoma. , 2022, , .		0