

Ekaterina I Galanzha

List of Publications by Year in descending order

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81
papers

5,906
citations

81900

39
h-index

74163

75
g-index

84
all docs

84
docs citations

84
times ranked

6222
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymph Liquid Biopsy for Detection of Cancer Stem Cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 496-502.	1.5	4
2	Indocyanine green dye based bimodal contrast agent tested by photoacoustic/fluorescence tomography setup. <i>Biomedical Optics Express</i> , 2021, 12, 3181.	2.9	11
3	Corrections to "Detection of Melanoma Cells in Whole Blood Samples Using Spectral Imaging and Optical Clearing" [Jul/Aug 21 Art. no. 7200711]. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-1.	2.9	0
4	Detection of Melanoma Cells in Whole Blood Samples Using Spectral Imaging and Optical Clearing. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-11.	2.9	10
5	In Vivo Lymphatic Circulating Tumor Cells and Progression of Metastatic Disease. <i>Cancers</i> , 2020, 12, 2866.	3.7	7
6	Optical clearing for photoacoustic lympho- and angiography beyond conventional depth limit in vivo. <i>Photoacoustics</i> , 2020, 20, 100186.	7.8	19
7	Doxorubicin Activates Ryanodine Receptors in Rat Lymphatic Muscle Cells to Attenuate Rhythmic Contractions and Lymph Flow. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 278-289.	2.5	19
8	Photoswitchable Spasers with a Plasmonic Core and Photoswitchable Fluorescent Proteins. <i>Scientific Reports</i> , 2019, 9, 12439.	3.3	3
9	New Frontiers in Diagnosis and Therapy of Circulating Tumor Markers in Cerebrospinal Fluid In Vitro and In Vivo. <i>Cells</i> , 2019, 8, 1195.	4.1	23
10	Bioinspired magnetic nanoparticles as multimodal photoacoustic, photothermal and photomechanical contrast agents. <i>Scientific Reports</i> , 2019, 9, 887.	3.3	31
11	In vivo liquid biopsy using Cytophone platform for photoacoustic detection of circulating tumor cells in patients with melanoma. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	108
12	Detection of Apoptotic Circulating Tumor Cells Using in vivo Fluorescence Flow Cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 664-671.	1.5	19
13	Photoacoustic and fluorescent effects in multilayer plasmon-dye interfaces. <i>Journal of Biophotonics</i> , 2019, 12, e201800265.	2.3	16
14	Amplification of photoacoustic effect in bimodal polymer particles by self-quenching of indocyanine green. <i>Biomedical Optics Express</i> , 2019, 10, 4775.	2.9	28
15	High-speed microscopy for in vivo monitoring of lymph dynamics. <i>Journal of Biophotonics</i> , 2018, 11, e201700126.	2.3	10
16	Current status, pitfalls and future directions in the diagnosis and therapy of lymphatic malformation. <i>Journal of Biophotonics</i> , 2018, 11, e201700124.	2.3	31
17	Biophotonics for lymphatic theranostics in animals and humans. <i>Journal of Biophotonics</i> , 2018, 11, e201811001.	2.3	3
18	Noninvasive label-free detection of circulating white and red blood clots in deep vessels with a focused photoacoustic probe. <i>Biomedical Optics Express</i> , 2018, 9, 5667.	2.9	17

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19	Spaser as a biological probe. <i>Nature Communications</i> , 2017, 8, 15528.	12.8	164
20	Photoswitchable dye-nanoparticle probes with photothermal switching of light-dark states and colors (Withdrawal Notice). , 2017, , .		0
21	Circulating Tumor Cells as Predictive Marker in Metastatic Disease. , 2017, , 109-122.		2
22	In VivoFlow Cytometry of Circulating Tumor-Associated Exosomes. <i>Analytical Cellular Pathology</i> , 2016, 2016, 1-12.	1.4	20
23	In vivo photoacoustic flow cytometry for early malaria diagnosis. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2016, 89, 531-542.	1.5	61
24	Photoswitchable non-fluorescent thermochromic dye-nanoparticle hybrid probes. <i>Scientific Reports</i> , 2016, 6, 36417.	3.3	16
25	Preclinical photoacoustic models: application for ultrasensitive single cell malaria diagnosis in large vein and artery. <i>Biomedical Optics Express</i> , 2016, 7, 3643.	2.9	40
26	In vivo acoustic and photoacoustic focusing of circulating cells. <i>Scientific Reports</i> , 2016, 6, 21531.	3.3	42
27	Synergistic Photothermal and Antibiotic Killing of Biofilm-Associated <i>Staphylococcus aureus</i> Using Targeted Antibiotic-Loaded Gold Nanoconstructs. <i>ACS Infectious Diseases</i> , 2016, 2, 241-250.	3.8	139
28	Real-Time Label-Free Embolus Detection Using In Vivo Photoacoustic Flow Cytometry. <i>PLoS ONE</i> , 2016, 11, e0156269.	2.5	25
29	Photothermal confocal multicolor microscopy of nanoparticles and nanodrugs in live cells. <i>Drug Metabolism Reviews</i> , 2015, 47, 346-355.	3.6	13
30	Photoacoustic and photothermal cytometry using photoswitchable proteins and nanoparticles with ultrasharp resonances. <i>Journal of Biophotonics</i> , 2015, 8, 81-93.	2.3	24
31	In Vivo Long-Term Monitoring of Circulating Tumor Cells Fluctuation during Medical Interventions. <i>PLoS ONE</i> , 2015, 10, e0137613.	2.5	28
32	In Vivo Photoacoustic Detection of Circulating Cells and Nanoparticles. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 453-487.	0.1	0
33	Dynamic Fluctuation of Circulating Tumor Cells during Cancer Progression. <i>Cancers</i> , 2014, 6, 128-142.	3.7	39
34	In Vivo Photoswitchable Flow Cytometry for Direct Tracking of Single Circulating Tumor Cells. <i>Chemistry and Biology</i> , 2014, 21, 792-801.	6.0	45
35	Real-time monitoring of circulating tumor cell release during tumor manipulation using in vivo photoacoustic and fluorescent flow cytometry. <i>Head and Neck</i> , 2014, 36, 1207-1215.	2.0	77
36	Super-Resolution Nonlinear Photothermal Microscopy. <i>Small</i> , 2014, 10, 135-142.	10.0	114

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37	Circulating tumor cell identification by functionalized silver-gold nanorods with multicolor, super-enhanced SERS and photothermal resonances. <i>Scientific Reports</i> , 2014, 4, 4752.	3.3	172
38	Photoacoustic and photothermal detection of circulating tumor cells, bacteria and nanoparticles in cerebrospinal fluid <i>in vivo</i> and <i>ex vivo</i> . <i>Journal of Biophotonics</i> , 2013, 6, 523-533.	2.3	64
39	Nanotheranostics of Circulating Tumor Cells, Infections and Other Pathological Features <i>in Vivo</i> . <i>Molecular Pharmaceutics</i> , 2013, 10, 813-830.	4.6	59
40	Photothermal nanodrugs: potential of TNF-gold nanospheres for cancer theranostics. <i>Scientific Reports</i> , 2013, 3, 1293.	3.3	121
41	Synergy of photoacoustic and fluorescence flow cytometry of circulating cells with negative and positive contrasts. <i>Journal of Biophotonics</i> , 2013, 6, 425-434.	2.3	62
42	<i>In vivo</i> detection of circulating tumor cells during tumor manipulation. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
43	Photoacoustic monitoring of circulating tumor cells released during medical procedures. , 2013, , .		2
44	Optical clearing in photoacoustic flow cytometry. <i>Biomedical Optics Express</i> , 2013, 4, 3030.	2.9	57
45	Circulating Tumor Cell Detection and Capture by Photoacoustic Flow Cytometry <i>in Vivo</i> and <i>ex Vivo</i> . <i>Cancers</i> , 2013, 5, 1691-1738.	3.7	109
46	Synergy of photoacoustic and fluorescence flow cytometry of circulating cells with negative and positive contrasts. , 2013, 6, 425.		1
47	<i>In Vivo</i> Magnetic Enrichment, Photoacoustic Diagnosis, and Photothermal Purging of Infected Blood Using Multifunctional Gold and Magnetic Nanoparticles. <i>PLoS ONE</i> , 2012, 7, e45557.	2.5	78
48	Photothermal Confocal Spectromicroscopy of Multiple Cellular Chromophores and Fluorophores. <i>Biophysical Journal</i> , 2012, 102, 672-681.	0.5	61
49	Photoacoustic flow cytometry. <i>Methods</i> , 2012, 57, 280-296.	3.8	128
50	Complex genetic, photothermal, and photoacoustic analysis of nanoparticle-plant interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1028-1033.	7.1	458
51	Blood and lymph circulating cells: well-known systems, well-forgotten interdependence. <i>Journal of Blood & Lymph</i> , 2011, 01, .	0.0	6
52	Advanced contrast nanoagents for photoacoustic molecular imaging, cytometry, blood test and photothermal theranostics. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 346-369.	0.8	111
53	<i>In vivo</i> ultrafast photoacoustic flow cytometry of circulating human melanoma cells using near-infrared high-pulse rate lasers. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 825-833.	1.5	63
54	<i>In vivo</i> flow cytometry of circulating clots using negative photothermal and photoacoustic contrasts. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 814-824.	1.5	44

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55	In vivo multispectral photoacoustic and photothermal flow cytometry with multicolor dyes: A potential for real-time assessment of circulation, dye-cell interaction, and blood volume. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 834-847.	1.5	34
56	In vivo photoacoustic and photothermal cytometry for monitoring multiple blood rheology parameters. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011, 79A, 746-757.	1.5	39
57	Ultrasensitive label-free photothermal imaging, spectral identification, and quantification of cytochrome <i>c</i> in mitochondria, live cells, and solutions. <i>Journal of Biophotonics</i> , 2010, 3, 791-806.	2.3	51
58	Photothermal multispectral image cytometry for quantitative histology of nanoparticles and micrometastasis in intact, stained and selectively burned tissues. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2010, 77A, 1049-1058.	1.5	41
59	Photothermal and photoacoustic Raman cytometry in vitro and in vivo. <i>Optics Express</i> , 2010, 18, 6929.	3.4	23
60	Ultra-fast photoacoustic flow cytometry with a 05 MHz pulse repetition rate nanosecond laser. <i>Optics Express</i> , 2010, 18, 8605.	3.4	52
61	<i>In vivo</i> , Noninvasive, Label-Free Detection and Eradication of Circulating Metastatic Melanoma Cells Using Two-Color Photoacoustic Flow Cytometry with a Diode Laser. <i>Cancer Research</i> , 2009, 69, 7926-7934.	0.9	241
62	<i>In vivo</i> fiber-based multicolor photoacoustic detection and photothermal purging of metastasis in sentinel lymph nodes targeted by nanoparticles. <i>Journal of Biophotonics</i> , 2009, 2, 528-539.	2.3	107
63	Nanotechnology-based molecular photoacoustic and photothermal flow cytometry platform for <i>in vivo</i> detection and killing of circulating cancer stem cells. <i>Journal of Biophotonics</i> , 2009, 2, 725-735.	2.3	126
64	Golden carbon nanotubes as multimodal photoacoustic and photothermal high-contrast molecular agents. <i>Nature Nanotechnology</i> , 2009, 4, 688-694.	31.5	656
65	<i>In vivo</i> magnetic enrichment and multiplex photoacoustic detection of circulating tumour cells. <i>Nature Nanotechnology</i> , 2009, 4, 855-860.	31.5	544
66	<i>In vivo</i> Raman flow cytometry for real-time detection of carbon nanotube kinetics in lymph, blood, and tissues. <i>Journal of Biomedical Optics</i> , 2009, 14, 021006.	2.6	50
67	<i>In vivo</i> multispectral, multiparameter, photoacoustic lymph flow cytometry with natural cell focusing, label-free detection and multicolor nanoparticle probes. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2008, 73A, 884-894.	1.5	113
68	Quantum Dots as Multimodal Photoacoustic and Photothermal Contrast Agents. <i>Nano Letters</i> , 2008, 8, 3953-3958.	9.1	141
69	Photoacoustic flow cytometry: principle and application for real-time detection of circulating single nanoparticles, pathogens, and contrast dyes in vivo. <i>Journal of Biomedical Optics</i> , 2007, 12, 051503.	2.6	151
70	Photothermal flow cytometry in vitro for detection and imaging of individual moving cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2007, 71A, 191-206.	1.5	32
71	Photothermal antimicrobial nanotherapy and nanodiagnostics with self-assembling carbon nanotube clusters. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 622-634.	2.1	133
72	Advances in small animal mesentery models for in vivo flow cytometry, dynamic microscopy, and drug screening. <i>World Journal of Gastroenterology</i> , 2007, 13, 192.	3.3	51

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73	In vivo high-speed imaging of individual cells in fast blood flow. Journal of Biomedical Optics, 2006, 11, 054034.	2.6	39
74	In vivo photoacoustic flow cytometry for monitoring of circulating single cancer cells and contrast agents. Optics Letters, 2006, 31, 3623.	3.3	211
75	In vivo photothermal flow cytometry: Imaging and detection of individual cells in blood and lymph flow. Journal of Cellular Biochemistry, 2006, 97, 916-932.	2.6	66
76	In vivo integrated flow image cytometry and lymph/blood vessels dynamic microscopy. Journal of Biomedical Optics, 2005, 10, 054018.	2.6	33
77	Photothermal image flow cytometry in vivo. Optics Letters, 2005, 30, 628.	3.3	70
78	Integrated photothermal flow cytometry in vivo. Journal of Biomedical Optics, 2005, 10, 051502.	2.6	34
79	Monitoring of nicotine impact in microlymphatics of rat mesentery with time-resolved microscopy. Lymphology, 2005, 38, 181-92.	0.2	8
80	Photothermal imaging of moving cells in lymph and blood flow in vivo. , 2004, , .		27
81	Blood-flow measurements with a small number of scattering events. Applied Optics, 2000, 39, 2823.	2.1	19