Mustafa Sarimollaoglu

List of Publications by Year
in descending order

42 papers	1,388 citations	331670 21 h-index	345221 36 g-index
44 all docs	44 docs citations	44 times ranked	1631 citing authors

#	Article	IF	Citations
1	Towards rainbow portable Cytophone with laser diodes for global disease diagnostics. Scientific Reports, 2022, 12, .	3.3	5
2	K_{ATP} Channel Openers Inhibit Lymphatic Contractions and Lymph Flow as a Possible Mechanism of Peripheral Edema. Journal of Pharmacology and Experimental Therapeutics, 2021, 376, 40-50.	2.5	11
3	In Vivo Lymphatic Circulating Tumor Cells and Progression of Metastatic Disease. Cancers, 2020, 12, 2866.	3.7	7
4	Doxorubicin Activates Ryanodine Receptors in Rat Lymphatic Muscle Cells to Attenuate Rhythmic Contractions and Lymph Flow. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 278-289.	2.5	19
5	New Frontiers in Diagnosis and Therapy of Circulating Tumor Markers in Cerebrospinal Fluid In Vitro and In Vivo. Cells, 2019, 8, 1195.	4.1	23
6	Bioinspired magnetic nanoparticles as multimodal photoacoustic, photothermal and photomechanical contrast agents. Scientific Reports, 2019, 9, 887.	3.3	31
7	In vivo liquid biopsy using Cytophone platform for photoacoustic detection of circulating tumor cells in patients with melanoma. Science Translational Medicine, 2019, 11, .	12.4	108
8	Photoacoustic and fluorescent effects in multilayer plasmonâ€dye interfaces. Journal of Biophotonics, 2019, 12, e201800265.	2.3	16
9	Highâ€speed microscopy for in vivo monitoring of lymph dynamics. Journal of Biophotonics, 2018, 11, e201700126.	2.3	10
10	Dynamic blood flow phantom with negative and positive photoacoustic contrasts. Biomedical Optics Express, 2018, 9, 4702.	2.9	11
11	Noninvasive label-free detection of circulating white and red blood clots in deep vessels with a focused photoacoustic probe. Biomedical Optics Express, 2018, 9, 5667.	2.9	17
12	Photoacoustic flow cytometry for nanomaterial research. Photoacoustics, 2017, 6, 16-25.	7.8	20
13	Towards early in vivo photoacoustic malaria diagnosis with 10,000-fold sensitivity improvement (Conference Presentation). , 2017, , .		0
14	Spaser as a biological probe. Nature Communications, 2017, 8, 15528.	12.8	164
15	Real-time monitoring of circulating tumor cell (CTC) release after nanodrug or tumor radiotherapy using inÂvivo flow cytometry. Biochemical and Biophysical Research Communications, 2017, 492, 507-512.	2.1	18
16	Circulating Tumor Cells as Predictive Marker in Metastatic Disease. , 2017, , 109-122.		2
17	In VivoFlow Cytometry of Circulating Tumor-Associated Exosomes. Analytical Cellular Pathology, 2016, 2016, 1-12.	1.4	20
18	Photoacoustic Flow Cytometry for Single Sickle Cell DetectionIn VitroandIn Vivo. Analytical Cellular Pathology, 2016, 2016, 1-11.	1.4	24

#	Article	IF	Citations
19	In vivo photoacoustic flow cytometry for early malaria diagnosis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2016, 89, 531-542.	1.5	61
20	Preclinical photoacoustic models: application for ultrasensitive single cell malaria diagnosis in large vein and artery. Biomedical Optics Express, 2016, 7, 3643.	2.9	40
21	In vivo acoustic and photoacoustic focusing of circulating cells. Scientific Reports, 2016, 6, 21531.	3.3	42
22	Real-Time Label-Free Embolus Detection Using In Vivo Photoacoustic Flow Cytometry. PLoS ONE, 2016, 11, e0156269.	2.5	25
23	Photoacoustic and photothermal cytometry using photoswitchable proteins and nanoparticles with ultrasharp resonances. Journal of Biophotonics, 2015, 8, 81-93.	2.3	24
24	In Vivo Long-Term Monitoring of Circulating Tumor Cells Fluctuation during Medical Interventions. PLoS ONE, 2015, 10, e0137613.	2.5	28
25	Dynamic Fluctuation of Circulating Tumor Cells during Cancer Progression. Cancers, 2014, 6, 128-142.	3.7	39
26	Realâ€time monitoring of circulating tumor cell release during tumor manipulation using in vivo photoacoustic and fluorescent flow cytometry. Head and Neck, 2014, 36, 1207-1215.	2.0	77
27	Nonlinear photoacoustic signal amplification from single targets in absorption background. Photoacoustics, 2014, 2, 1-11.	7.8	48
28	Photoacoustic and photothermal detection of circulating tumor cells, bacteria and nanoparticles in cerebrospinal fluid in vivo and ex vivo. Journal of Biophotonics, 2013, 6, 523-533.	2.3	64
29	Synergy of photoacoustic and fluorescence flow cytometry of circulating cells with negative and positive contrasts. Journal of Biophotonics, 2013, 6, 425-434.	2.3	62
30	In vivodetection of circulating tumor cells during tumor manipulation. Proceedings of SPIE, 2013, , .	0.8	3
31	Photoacoustic monitoring of circulating tumor cells released during medical procedures. , 2013, , .		2
32	Optical clearing in photoacoustic flow cytometry. Biomedical Optics Express, 2013, 4, 3030.	2.9	57
33	Identification of rolling circulating tumor cells using photoacoustic time-of-flight method. , 2013, , .		0
34	Photoacoustic monitoring of clot formation during surgery and tumor surgery. , 2013, , .		2
35	Synergy of photoacoustic and fluorescence flow cytometry of circulating cells with negative and positive contrasts. , 2013, 6, 425.		1
36	In Vivo Magnetic Enrichment, Photoacoustic Diagnosis, and Photothermal Purging of Infected Blood Using Multifunctional Gold and Magnetic Nanoparticles. PLoS ONE, 2012, 7, e45557.	2.5	78

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37	In-vivo real-time monitoring of nanoparticle clearance rate from blood circulation using high speed flow cytometry. Proceedings of SPIE, 2012, , .	0.8	3
38	In vivo photoacoustic time-of-flight velocity measurement of single cells and nanoparticles. Optics Letters, 2011, 36, 4086.	3.3	31
39	In vivo ultraâ€fast photoacoustic flow cytometry of circulating human melanoma cells using nearâ€infrared highâ€pulse rate lasers. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 825-833.	1.5	63
40	In vivo flow cytometry of circulating clots using negative photothermal and photoacoustic contrasts. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 814-824.	1.5	44
41	In vivo multispectral photoacoustic and photothermal flow cytometry with multicolor dyes: A potential for realâ€time assessment of circulation, dyeâ€cell interaction, and blood volume. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 834-847.	1.5	34
42	Ultra-fast photoacoustic flow cytometry with a 05 MHz pulse repetition rate nanosecond laser. Optics Express, 2010, 18, 8605.	3.4	52