

# Mustafa Sarimollaoglu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7298802/publications.pdf>

Version: 2024-02-01

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	Spaser as a biological probe. <i>Nature Communications</i> , 2017, 8, 15528.	12.8	164
2	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
3	In Vivo 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
4	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
5	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
6	In vivo ultra-fast 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
7	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
8	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
9	Optical clearing in photoacoustic flow cytometry. <i>Biomedical Optics Express</i> , 2013, 4, 3030.	2.9	57
10	Ultra-fast photoacoustic flow cytometry with a 05 MHz pulse repetition rate nanosecond laser. <i>Optics Express</i> , 2010, 18, 8605.	3.4	52
11	Nonlinear photoacoustic signal amplification from single targets in absorption background. <i>Photoacoustics</i> , 2014, 2, 1-11.	7.8	48
12	In vivo 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
13	In vivo acoustic and photoacoustic focusing of circulating cells. <i>Scientific Reports</i> , 2016, 6, 21531.	3.3	42
14	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
15	Dynamic Fluctuation of Circulating Tumor Cells during Cancer Progression. <i>Cancers</i> , 2014, 6, 128-142.	3.7	39
16	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
17	In vivo photoacoustic time-of-flight velocity measurement of single cells and nanoparticles. <i>Optics Letters</i> , 2011, 36, 4086.	3.3	31
18	Bioinspired magnetic nanoparticles as multimodal photoacoustic, photothermal and photomechanical contrast agents. <i>Scientific Reports</i> , 2019, 9, 887.	3.3	31

#	ARTICLE	IF	CITATIONS
19	In Vivo Long-Term Monitoring of Circulating Tumor Cells Fluctuation during Medical Interventions. PLoS ONE, 2015, 10, e0137613.	2.5	28
20	Real-Time Label-Free Embolus Detection Using In Vivo Photoacoustic Flow Cytometry. PLoS ONE, 2016, 11, e0156269.	2.5	25
21	Photoacoustic and photothermal cytometry using photoswitchable proteins and nanoparticles with ultrasharp resonances. Journal of Biophotonics, 2015, 8, 81-93.	2.3	24
22	Photoacoustic Flow Cytometry for Single Sickle Cell Detection<i>In Vitro</i>and<i>In Vivo</i>. Analytical Cellular Pathology, 2016, 2016, 1-11.	1.4	24
23	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
24	In VivoFlow Cytometry of Circulating Tumor-Associated Exosomes. Analytical Cellular Pathology, 2016, 2016, 1-12.	1.4	20
25	Photoacoustic flow cytometry for nanomaterial research. Photoacoustics, 2017, 6, 16-25.	7.8	20
26	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
27	Real-time monitoring of circulating tumor cell (CTC) release after nanodrug or tumor radiotherapy using in vivo flow cytometry. Biochemical and Biophysical Research Communications, 2017, 492, 507-512.	2.1	18
28	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
29	Photoacoustic and fluorescent effects in multilayer plasmonâ€dye interfaces. Journal of Biophotonics, 2019, 12, e201800265.	2.3	16
30	K<sub>ATP</sub> 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
31	Dynamic blood flow phantom with negative and positive photoacoustic contrasts. Biomedical Optics Express, 2018, 9, 4702.	2.9	11
32	Highâ€speed microscopy for in vivo monitoring of lymph dynamics. Journal of Biophotonics, 2018, 11, e201700126.	2.3	10
33	In Vivo Lymphatic Circulating Tumor Cells and Progression of Metastatic Disease. Cancers, 2020, 12, 2866.	3.7	7
34	Towards rainbow portable Cytophone with laser diodes for global disease diagnostics. Scientific Reports, 2022, 12, .	3.3	5
35	In-vivo real-time monitoring of nanoparticle clearance rate from blood circulation using high speed flow cytometry. Proceedings of SPIE, 2012, , .	0.8	3
36	<i>In vivo</i>detection of circulating tumor cells during tumor manipulation. Proceedings of SPIE, 2013, , .	0.8	3

#	ARTICLE	IF	CITATIONS
37	Photoacoustic monitoring of circulating tumor cells released during medical procedures. , 2013, , .		2
38	Photoacoustic monitoring of clot formation during surgery and tumor surgery. , 2013, , .		2
39	Circulating Tumor Cells as Predictive Marker in Metastatic Disease. , 2017, , 109-122.		2
40	Synergy of photoacoustic and fluorescence flow cytometry of circulating cells with negative and positive contrasts. , 2013, 6, 425.		1
41	Identification of rolling circulating tumor cells using photoacoustic time-of-flight method. , 2013, , .		0
42	Towards early in vivo photoacoustic malaria diagnosis with 10,000-fold sensitivity improvement (Conference Presentation). , 2017, , .		0