

# Valentin V Demidov

## List of Publications by Year in descending order

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28  
papers

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citations

1040056

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996975

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g-index

29  
all docs

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docs citations

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times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal in-vivo quantification of tumour microvascular heterogeneity by optical coherence angiography in pre-clinical radiation therapy. <i>Scientific Reports</i> , 2022, 12, 6140.	3.3	7
2	Spatial and temporal patterns in dynamic-contrast enhanced intraoperative fluorescence imaging enable classification of bone perfusion in patients undergoing leg amputation. <i>Biomedical Optics Express</i> , 2022, 13, 3171.	2.9	4
3	Pulsed-light illumination optical system integrated into surgical microscope for 5-ALA-induced tumor fluorescence detection without surgical process interruption. , 2021, , .		0
4	Volumetric tumor delineation and assessment of its early response to radiotherapy with optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 2952.	2.9	12
5	Longitudinal in-vivo quantification of tumour microvasculature heterogeneity via optical coherence tomography (OCT) angiography in a pre-clinical model of radiation therapy. , 2021, , .		0
6	Dual-Agent Photodynamic Therapy with Optical Clearing Eradicates Pigmented Melanoma in Preclinical Tumor Models. <i>Cancers</i> , 2020, 12, 1956.	3.7	21
7	Novel methodology to image stromal tissue and assess its morphological features with polarized light: towards a tumour microenvironment prognostic signature. <i>Biomedical Optics Express</i> , 2019, 10, 3963.	2.9	14
8	Analysis of low-scattering regions in optical coherence tomography: applications to neurography and lymphangiography. <i>Biomedical Optics Express</i> , 2019, 10, 4207.	2.9	22
9	OCT lymphangiography based on speckle statistics evaluation. , 2019, , .		1
10	Assessment of optical coherence tomography speckle patterns in low-scatterer-concentration regions: simulations for lymphatic vessels mapping. , 2019, , .		0
11	Preclinical longitudinal imaging of tumor microvascular radiobiological response with functional optical coherence tomography. <i>Scientific Reports</i> , 2018, 8, 38.	3.3	28
12	Preclinical quantitative in-vivo assessment of skin tissue vascularity in radiation-induced fibrosis with optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	9
13	Modeling and interpreting speckle pattern formation in swept-source optical coherence tomography (Conference Presentation). , 2017, , .		0
14	Towards understanding speckle pattern formation in optical coherence tomography (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
15	Vessel-contrast enhancement in label-free optical coherence angiography based on phase and amplitude speckle variability. , 2016, , .		2
16	Microvascular contrast enhancement in optical coherence tomography using microbubbles. <i>Journal of Biomedical Optics</i> , 2016, 21, 076014.	2.6	14
17	Optical clearing of melanoma <i>in vivo</i> : characterization by diffuse reflectance spectroscopy and optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2016, 21, 081210.	2.6	33
18	Blood flow contrast enhancement in optical coherence tomography using microbubbles: a phantom study. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Talin Is Required Continuously for Cardiomyocyte Remodeling during Heart Growth in Drosophila. PLoS ONE, 2015, 10, e0131238.	2.5	10
20	Scan-pattern and signal processing for microvasculature visualization with complex SD-OCT: tissue-motion artifacts robustness and decorrelation time - blood vessel characteristics. , 2015, , .		5
21	An approach to OCT-based microvascular imaging using reference-free processing of complex valued B-scans. , 2015, , .		2
22	Hybrid M-mode-like OCT imaging of three-dimensional microvasculature in vivo using reference-free processing of complex valued B-scans. Optics Letters, 2015, 40, 1472.	3.3	61
23	An approach to OCT-based microvascular imaging using reference-free processing of complex-valued B-scans. , 2015, , .		0
24	Imaging the electro-kinetic response of biological tissues with phase-resolved optical coherence tomography. Photonics & Lasers in Medicine, 2014, 3, .	0.2	0
25	Imaging the electro-kinetic response of biological tissues with optical coherence tomography. Optics Letters, 2013, 38, 2572.	3.3	7
26	Multistability and synchronization of chaos in maps with "Internal" coupling. Journal of Communications Technology and Electronics, 2008, 53, 666-675.	0.5	0
27	Modeling chemical reactions by forced limit-cycle oscillator: synchronization phenomena and transition to chaos. Chaos, Solitons and Fractals, 2003, 15, 395-405.	5.1	24
28	The volume of information as a measure of the chaos synchronization. Technical Physics Letters, 2001, 27, 476-479.	0.7	1