

Callum M Macdonald

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

40
citations

1937685

4
h-index

1720034

7
g-index

11
all docs

11
docs citations

11
times ranked

35
citing authors

#	ARTICLE	IF	CITATIONS
1	Reciprocity relation for the vector radiative transport equation and its application to diffuse optical tomography with polarized light. <i>Optics Letters</i> , 2017, 42, 362.	3.3	11
2	Numerical investigation of polarization filtering for direct optical imaging within scattering media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 1330.	1.5	7
3	Efficient inversion strategies for estimating optical properties with Monte Carlo radiative transport models. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.6	6
4	Characterizing the depolarization of circularly polarized light in turbid scattering media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018, 35, 2104.	1.5	5
5	Diffuse correlation tomography in the transport regime: A theoretical study of the sensitivity to Brownian motion. <i>Physical Review E</i> , 2018, 97, 022408.	2.1	4
6	Approximate image synthesis in optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 3323.	2.9	3
7	Controlling the optical pathlength in continuous-wave reflectance spectroscopy using polarization. <i>Biomedical Optics Express</i> , 2021, 12, 4401.	2.9	2
8	Diffuse optical tomography with polarized light: a GPU-accelerated polarization-sensitive Monte Carlo simulations for efficient sensitivity kernel computation. , 2019, , .		2
9	Increased resolution using polarization filters in optical tomography. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
10	Reciprocity relations in 3D vector radiative transport applied to diffuse optical tomography. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
11	Diffuse correlation tomography in the transport regime: a theoretical study of the sensitivity to Brownian motion. , 2019, , .		0