Callum M Macdonald

List of Publications by Year
in descending order

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