

# Babu Varghese

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

553  
citations

933447

10  
h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

652  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of methodological developments in laser Doppler flowmetry. <i>Lasers in Medical Science</i> , 2009, 24, 269-283.	2.1	228
2	Minimally invasive non-thermal laser technology using laser-induced optical breakdown for skin rejuvenation. <i>Journal of Biophotonics</i> , 2012, 5, 194-199.	2.3	71
3	Sensitive Skin: Assessment of the Skin Barrier Using Confocal Raman Microspectroscopy. <i>Skin Pharmacology and Physiology</i> , 2017, 30, 1-12.	2.5	52
4	Influence of absorption induced thermal initiation pathway on irradiance threshold for laser induced breakdown. <i>Biomedical Optics Express</i> , 2015, 6, 1234.	2.9	31
5	Efficacy of minimally invasive nonthermal laser-induced optical breakdown technology for skin rejuvenation. <i>Lasers in Medical Science</i> , 2013, 28, 935-940.	2.1	30
6	Quantitative and simultaneous non-invasive measurement of skin hydration and sebum levels. <i>Biomedical Optics Express</i> , 2016, 7, 2311.	2.9	30
7	Path-length-resolved measurements of multiple scattered photons in static and dynamic turbid media using phase-modulated low-coherence interferometry. <i>Journal of Biomedical Optics</i> , 2007, 12, 024020.	2.6	27
8	Microspectroscopic Confocal Raman and Macroscopic Biophysical Measurements in the in vivo Assessment of the Skin Barrier: Perspective for Dermatology and Cosmetic Sciences. <i>Skin Pharmacology and Physiology</i> , 2015, 28, 307-317.	2.5	19
9	Effects of polarization and apodization on laser induced optical breakdown threshold. <i>Optics Express</i> , 2013, 21, 18304.	3.4	11
10	High sensitivity optical measurement of skin gloss. <i>Biomedical Optics Express</i> , 2017, 8, 3981.	2.9	10
11	Path-length-resolved optical Doppler perfusion monitoring. <i>Journal of Biomedical Optics</i> , 2007, 12, 060508.	2.6	9
12	Speckle size and decorrelation time; space-time correlation analysis of coherent light dynamically scattered from turbid media. <i>Optics Communications</i> , 2008, 281, 1755-1760.	2.1	8
13	Measurement of particle flux in a static matrix with suppressed influence of optical properties, using low coherence interferometry. <i>Optics Express</i> , 2010, 18, 2849.	3.4	7
14	Evaluation of a multimode fiber optic low coherence interferometer for path length resolved Doppler measurements of diffuse light. <i>Review of Scientific Instruments</i> , 2007, 78, 126103.	1.3	6
15	Potential of short-wave infrared spectroscopy for quantitative depth profiling of stratum corneum lipids and water in dermatology. <i>Biomedical Optics Express</i> , 2018, 9, 2436.	2.9	6
16	Quantification of spatial intensity correlations and photodetector intensity fluctuations of coherent light reflected from turbid particle suspensions. <i>Physical Review E</i> , 2007, 75, 060901.	2.1	4
17	Highlighting the nuances behind interaction of picosecond pulses with human skin: Relating distinct laser-tissue interactions to their potential in cutaneous interventions. , 2018, , .		3
18	Depth resolved quantitative profiling of stratum corneum lipids and water content using short-wave infrared spectroscopy. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Effects of polarization and absorption on laser induced optical breakdown threshold for skin rejuvenation. Proceedings of SPIE, 2016, , .	0.8	0
20	High sensitivity optical method for objective assessment of the gloss of human skin. , 2018, , .		0
21	Quantitative Optical Methods for Personalized Skin Sensing Solutions. , 2019, , .		0