

# 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	Quantitative Optical Methods for Personalized Skin Sensing Solutions. , 2019, , .		0
2	Potential of short-wave infrared spectroscopy for quantitative depth profiling of stratum corneum lipids and water in dermatology. Biomedical Optics Express, 2018, 9, 2436.	2.9	6
3	Highlighting the nuances behind interaction of picosecond pulses with human skin: Relating distinct laser-tissue interactions to their potential in cutaneous interventions. , 2018, , .		3
4	Depth resolved quantitative profiling of stratum corneum lipids and water content using short-wave infrared spectroscopy. , 2018, , .		1
5	High sensitivity optical method for objective assessment of the gloss of human skin. , 2018, , .		0
6	Sensitive Skin: Assessment of the Skin Barrier Using Confocal Raman Microspectroscopy. Skin Pharmacology and Physiology, 2017, 30, 1-12.	2.5	52
7	High sensitivity optical measurement of skin gloss. Biomedical Optics Express, 2017, 8, 3981.	2.9	10
8	Quantitative and simultaneous non-invasive measurement of skin hydration and sebum levels. Biomedical Optics Express, 2016, 7, 2311.	2.9	30
9	Effects of polarization and absorption on laser induced optical breakdown threshold for skin rejuvenation. Proceedings of SPIE, 2016, , .	0.8	0
10	Microspectroscopic Confocal Raman and Macroscopic Biophysical Measurements in the in vivo Assessment of the Skin Barrier: Perspective for Dermatology and Cosmetic Sciences. Skin Pharmacology and Physiology, 2015, 28, 307-317.	2.5	19
11	Influence of absorption induced thermal initiation pathway on irradiance threshold for laser induced breakdown. Biomedical Optics Express, 2015, 6, 1234.	2.9	31
12	Efficacy of minimally invasive nonthermal laser-induced optical breakdown technology for skin rejuvenation. Lasers in Medical Science, 2013, 28, 935-940.	2.1	30
13	Effects of polarization and apodization on laser induced optical breakdown threshold. Optics Express, 2013, 21, 18304.	3.4	11
14	Minimally invasive non-thermal laser technology using laser-induced optical breakdown for skin rejuvenation. Journal of Biophotonics, 2012, 5, 194-199.	2.3	71
15	Measurement of particle flux in a static matrix with suppressed influence of optical properties, using low coherence interferometry. Optics Express, 2010, 18, 2849.	3.4	7
16	Review of methodological developments in laser Doppler flowmetry. Lasers in Medical Science, 2009, 24, 269-283.	2.1	228
17	Speckle size and decorrelation time; space-time correlation analysis of coherent light dynamically scattered from turbid media. Optics Communications, 2008, 281, 1755-1760.	2.1	8
18	Path-length-resolved optical Doppler perfusion monitoring. Journal of Biomedical Optics, 2007, 12, 060508.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Evaluation of a multimode fiber optic low coherence interferometer for path length resolved Doppler measurements of diffuse light. Review of Scientific Instruments, 2007, 78, 126103.	1.3	6
20	Path-length-resolved measurements of multiple scattered photons in static and dynamic turbid media using phase-modulated low-coherence interferometry. Journal of Biomedical Optics, 2007, 12, 024020.	2.6	27
21	Quantification of spatial intensity correlations and photodetector intensity fluctuations of coherent light reflected from turbid particle suspensions. Physical Review E, 2007, 75, 060901.	2.1	4