Dervil Cody

List of Publications by Year in Descending Order

24 papers	176 citations	9 h-index	12 g-index
26 ext. papers	225 ext. citations	3.1 avg, IF	2.97 L-index

#	Paper	IF	Citations
24	Use of a novel anthropomorphic prostate simulator in a prostate brachytherapy transrectal ultrasound imaging workshop for medical physicists.. *Physica Medica*, **2022**, 95, 156-166	2.7	0
23	Theoretical design of an absorption hologram-based sensor for dose quantification in daylight photodynamic therapy.. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2022**, 39, 127-135	1.8	
22	Development and Preliminary Evaluation of an Anthropomorphic Trans-rectal Ultrasound Prostate Brachytherapy Training Phantom. *Ultrasound in Medicine and Biology*, **2021**, 47, 833-846	3.5	3
21	In-Situ Ellipsometric Study of the Optical Properties of LTL-Doped Thin Film Sensors for Copper(II) Ion Detection. *Coatings*, **2020**, 10, 423	2.9	3
20	The development of high quality training program for real tine trans rectal ultrasound low dose rate (LDR) prostate brachytherapy. *Physica Medica*, **2019**, 67, 200	2.7	
19	Theoretical modeling and design of photonic structures in zeolite nanocomposites for gas sensing. Part II: volume gratings. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2018**, 35, 12-19	1.8	8
18	Self-processing photopolymer materials for versatile design and fabrication of holographic sensors and interactive holograms. *Applied Optics*, **2018**, 57, E173-E183	1.7	17
17	A novel calibration device for quality assurance of therapeutic ultrasound. *Physica Medica*, **2018**, 52, 175	2.7	
16	Serialized holography for brand protection and authentication. *Applied Optics*, **2018**, 57, E131-E137	1.7	13
15	LTL type nanozeolites utilized in surface photonics structures for environmental sensors. *Microporous and Mesoporous Materials*, **2018**, 261, 268-274	5.3	10
14	Humidity and temperature induced changes in the diffraction efficiency and the Bragg angle of slanted photopolymer-based holographic gratings. *Sensors and Actuators B: Chemical*, **2017**, 239, 776-785	8.5	16
13	Theoretical modeling and design of photonic structures in zeolite nanocomposites for gas sensing. Part I: surface relief gratings. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2017**, 34, 2110-2119	1.8	9
12	Low-Toxicity Photopolymer for Reflection Holography. *ACS Applied Materials & Interfaces*, **2016**, 8, 18481-7	9.5	20
11	Photonic Materials for Holographic Sensing. *Springer Series in Materials Science*, **2016**, 315-359	0.9	7
10	Compositional Changes for Reduction of Polymerisation-Induced Shrinkage in Holographic Photopolymers. *Advances in Materials Science and Engineering*, **2016**, 2016, 1-11	1.5	1
9	Humidity and temperature response of photopolymer-based holographic gratings **2015**,		1
8	Determination of the polymerisation rate of a low-toxicity diacetone acrylamide-based holographic photopolymer using Raman spectroscopy. *Optical Materials*, **2015**, 48, 12-17	3.3	6

List of Publications

7	Effect of zeolite nanoparticles on the optical properties of diacetone acrylamide-based photopolymer. *Optical Materials*, **2014**, 37, 181-187	3.3	11
6	Research on Holographic Sensors and Novel Photopolymers at the Centre for Industrial and Engineering Optics **2013**,		1
5	Effect of glycerol on a diacetone acrylamide-based holographic photopolymer material. *Applied Optics*, **2013**, 52, 489-94	1.7	15
4	A Comparative Cytotoxic Evaluation of Acrylamide and Diacetone Acrylamide to Investigate Their Suitability for Holographic Photopolymer Formulations. *International Journal of Polymer Science*, **2013**, 2013, 1-6	2.4	10
3	New non-toxic holographic photopolymer material. *Journal of Optics (United Kingdom)*, **2012**, 14, 015601	1.7	24
2	Diacetone acrylamide-based non-toxic holographic photopolymer **2012**,		1
1	Synthesis of Fast Curing, Water-Resistant and Photopolymerizable Glass for Recording of Holographic Structures by One- and Two-Photon Lithography. *Advanced Optical Materials*,2102089	8.1	0