

# Anna Gerega

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

445  
citations

759233

12  
h-index

713466

21  
g-index

30  
all docs

30  
docs citations

30  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-laboratory performance assessment of diffuse optics instruments: the BitMap exercise. <i>Journal of Biomedical Optics</i> , 2022, 27, .	2.6	9
2	A multi-laboratory comparison of photon migration instruments and their performances: the BitMap exercise. , 2021, , .		2
3	Time-domain NIRS system based on supercontinuum light source and multi-wavelength detection: validation for tissue oxygenation studies. <i>Biomedical Optics Express</i> , 2021, 12, 6629.	2.9	12
4	Hemoglobin spectra and employed wavelengths affect estimation of concentration and oxygen saturation: blood-lipid phantom study. , 2021, , .		1
5	Assessment of the brain ischemia during orthostatic stress and lower body negative pressure in air force pilots by near-infrared spectroscopy. <i>Biomedical Optics Express</i> , 2020, 11, 1043.	2.9	3
6	Frequency analysis of oscillations in cerebral hemodynamics measured by time domain near infrared spectroscopy. <i>Biomedical Optics Express</i> , 2019, 10, 761.	2.9	7
7	Self-calibrating time-resolved near infrared spectroscopy. <i>Biomedical Optics Express</i> , 2019, 10, 2657.	2.9	10
8	Depth-resolved assessment of changes in concentration of chromophores using time-resolved near-infrared spectroscopy: estimation of cytochrome-c-oxidase uncertainty by Monte Carlo simulations. <i>Biomedical Optics Express</i> , 2019, 10, 4621.	2.9	6
9	Multi-wavelength time-resolved NIRS measurements for estimation of absolute concentration of chromophores: blood phantom study. , 2019, , .		1
10	UV-induced transformations of matrix-isolated 6-azacytosine. <i>Journal of Chemical Physics</i> , 2018, 149, 104301.	3.0	4
11	Multiwavelength time-resolved near-infrared spectroscopy of the adult head: assessment of intracerebral and extracerebral absorption changes. <i>Biomedical Optics Express</i> , 2018, 9, 2974.	2.9	26
12	Confirmation of brain death using optical methods based on tracking of an optical contrast agent: assessment of diagnostic feasibility. <i>Scientific Reports</i> , 2018, 8, 7332.	3.3	18
13	Application of optical methods in the monitoring of traumatic brain injury: A review. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1825-1843.	4.3	64
14	Optimization of the method for assessment of brain perfusion in humans using contrast-enhanced reflectometry: multidistance time-resolved measurements. <i>Journal of Biomedical Optics</i> , 2015, 20, 106013.	2.6	21
15	Evaluation of ICG washout based on time-resolved monitoring of fluorescence in patients with severe cerebral perfusion abnormalities. , 2014, , .		0
16	Neurotoxic effects of indocyanine green -cerebellar granule cell culture viability study. <i>Biomedical Optics Express</i> , 2014, 5, 800.	2.9	17
17	A Monte Carlo study of fluorescence generation probability in a two-layered tissue model. <i>Physics in Medicine and Biology</i> , 2014, 59, 1407-1424.	3.0	8
18	Fluorescence-based method for assessment of blood-brain barrier disruption. , 2013, 2013, 3040-2.		8

#	ARTICLE	IF	CITATIONS
19	Variance of time-of-flight distribution is sensitive to cerebral blood flow as demonstrated by ICG bolus-tracking measurements in adult pigs. <i>Biomedical Optics Express</i> , 2013, 4, 206.	2.9	30
20	Multiwavelength time-resolved detection of fluorescence during the inflow of indocyanine green into the adult's brain. <i>Journal of Biomedical Optics</i> , 2012, 17, 087001.	2.6	19
21	Time-resolved detection of fluorescent light during inflow of ICG to the brain—a methodological study. <i>Physics in Medicine and Biology</i> , 2012, 57, 6725-6742.	3.0	26
22	Multi-wavelength time-resolved measurements of diffuse reflectance: phantom study with dynamic inflow of ICG. , 2012, , .		2
23	Assessment of brain perfusion disorders by ICG bolus tracking with time-resolved fluorescence monitoring. , 2012, , .		0
24	Time-resolved imaging of fluorescent inclusions in optically turbid medium: a phantom study. , 2012, , .		0
25	Wavelength-resolved measurements of fluorescence lifetime of indocyanine green. <i>Journal of Biomedical Optics</i> , 2011, 16, 067010.	2.6	49
26	Multi-wavelength time-resolved detection of fluorescence of indocyanine green circulating in the human head. , 2010, , .		1
27	Thioperoxy Derivative Generated by UV-Induced Transformation of <i>N</i> -Hydroxypyridine-2(1 <i>H</i> )-thione Isolated in Low-Temperature Matrixes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 238-248.	2.5	8
28	Systematic Effect of Benzo-Annulation on Oxo-Hydroxy Tautomerism of Heterocyclic Compounds. Experimental Matrix-Isolation and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4934-4943.	2.5	59
29	UV-induced generation of rare tautomers of allopurinol and 9-methylhypoxanthine — A matrix isolation FTIR study. <i>Biophysical Chemistry</i> , 2006, 122, 123-135.	2.8	19
30	UV-Induced Oxo-Hydroxy Unimolecular Proton-Transfer Reactions in Hypoxanthine. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10236-10244.	2.5	15