

# Mihaela Antonina Calin

## List of Publications by Year in descending order

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43  
papers

760  
citations

687363

13  
h-index

526287

27  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1038  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic detection of basal cell carcinoma by hyperspectral imaging. <i>Journal of Biophotonics</i> , 2022, 15, e202100231.	2.3	3
2	Application of airborne and spaceborne hyperspectral imaging techniques for atmospheric research: past, present, and future. <i>Applied Spectroscopy Reviews</i> , 2021, 56, 289-323.	6.7	8
3	Object-oriented classification approach for bone metastasis mapping from whole-body bone scintigraphy. <i>Physica Medica</i> , 2021, 84, 141-148.	0.7	11
4	Assessment of the hyperbaric oxygen therapy effects in distal femoral necrosis using hyperspectral imaging. <i>Balneo and PRM Research Journal</i> , 2021, , 123-128.	0.8	1
5	New evidence from hyperspectral imaging analysis on the effect of photobiomodulation therapy on normal skin oxygenation. <i>Lasers in Medical Science</i> , 2021, , 1.	2.1	0
6	Hyperspectral Imaging Combined with Machine Learning Classifiers for Diabetic Leg Ulcer Assessment – A Case Study. <i>Communications in Computer and Information Science</i> , 2020, , 74-85.	0.5	2
7	Computer-aided detection of bone metastasis in bone scintigraphy images using parallelepiped classification method. <i>Annals of Nuclear Medicine</i> , 2019, 33, 866-874.	2.2	22
8	Fractionated Irradiation in Photobiomodulation Therapy of Ankle Sprain. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2019, 98, 692-698.	1.4	3
9	Applications of fractional wavelet-based denoising method in biomedical hyperspectral imaging. , 2018, , .		1
10	Comparison of spectral angle mapper and support vector machine classification methods for mapping skin burn using hyperspectral imaging. , 2018, , .		5
11	Hyperspectral index-based metric for burn depth assessment. <i>Biomedical Optics Express</i> , 2018, 9, 5778.	2.9	12
12	Blood oxygenation monitoring using hyperspectral imaging after flap surgery. <i>Spectroscopy Letters</i> , 2017, 50, 150-155.	1.0	11
13	Simulated altitude exposure assessment by hyperspectral imaging. <i>Journal of Biomedical Optics</i> , 2017, 22, 056012.	2.6	2
14	An Analysis of Human Dorsal Hand Skin Texture Using Hyperspectral Imaging Technique for Assessing the Skin Aging Process. <i>Applied Spectroscopy</i> , 2017, 71, 391-400.	2.2	8
15	A review of the effectiveness of thermal infrared imaging in the diagnosis and monitoring of knee diseases. <i>Infrared Physics and Technology</i> , 2015, 69, 19-25.	2.9	24
16	Measurement and evaluation of natural radioactivity in phosphogypsum in industrial areas from Romania. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 1303-1312.	1.5	20
17	Hyperspectral imaging in different light conditions. <i>Imaging Science Journal</i> , 2015, 63, 214-219.	0.5	11
18	Algorithm for mapping cutaneous tissue oxygen concentration using hyperspectral imaging. <i>Biomedical Optics Express</i> , 2015, 6, 3420.	2.9	16

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19	Hyperspectral imaging-based wound analysis using mixture-tuned matched filtering classification method. <i>Journal of Biomedical Optics</i> , 2015, 20, 046004.	2.6	52
20	Characterization of burns using hyperspectral imaging technique – A preliminary study. <i>Burns</i> , 2015, 41, 118-124.	1.9	57
21	Hyperspectral Imaging in the Medical Field: Present and Future. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 435-447.	6.7	157
22	Determination of the complex refractive index of cell cultures by reflectance spectrometry. <i>European Physical Journal Plus</i> , 2014, 129, 1.	2.6	6
23	Optical techniques for the noninvasive diagnosis of skin cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2013, 139, 1083-1104.	2.5	105
24	Increased number of fractionated irradiation sessions does not improve the cellular response to methyl aminolevulinate-mediated photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 526-534.	2.6	2
25	Spectral Analysis of Methylene Blue–Mediated Photodynamic Inactivation of Bacteria Using a 635-nm Diode Laser System. <i>Spectroscopy Letters</i> , 2013, 46, 327-333.	1.0	5
26	Indoor radon levels and natural radioactivity in Turda salt mine, Romania. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 292, 193-201.	1.5	8
27	Radon levels assessment in some Northern Romanian salt mines. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 565-572.	1.5	6
28	Optical method for monitoring of photodynamic inactivation of bacteria. <i>Journal of Biological Physics</i> , 2011, 37, 107-116.	1.5	8
29	System for air <sup>222</sup> Rn activity concentration measurements based on ion-pulse ionization chamber detector. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 109-114.	1.5	3
30	Investigations on the presence and distribution of radon in the Cacica salt mine, Romania. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 203-206.	1.5	5
31	Assessment of calibration parameters for gamma-ray spectrometry systems. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 547-552.	1.5	7
32	Tritium measurements by AMS and applications. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 288, 491-498.	1.5	8
33	Photosensitizers and light sources for photodynamic therapy of the Bowen’s disease. <i>Archives of Dermatological Research</i> , 2011, 303, 145-151.	1.9	24
34	In vivo study of age-related changes in the optical properties of the skin. <i>Lasers in Medical Science</i> , 2010, 25, 269-274.	2.1	16
35	Evaluation of the radon concentration in Ocna Dej salt mine, Romania. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 286, 169-173.	1.5	14
36	In Vivo Comparison of Simple and Double-Fractionated Low-Level Laser Irradiation Schemes on the Healing of Rat Skin Lesions. <i>Photomedicine and Laser Surgery</i> , 2010, 28, 245-250.	2.0	4

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37	Light sources for photodynamic inactivation of bacteria. Lasers in Medical Science, 2009, 24, 453-460.	2.1	67
38	Low-Level Laser Therapy (LLLT) Efficacy in Post-operative Wounds. Photomedicine and Laser Surgery, 2005, 23, 70-73.	2.0	42
39	Photodynamic Therapy of Walker Tumors by Multiple Laser Irradiation. Photomedicine and Laser Surgery, 2005, 23, 405-409.	2.0	4
40	Comparative study of the thermal effects generated by laser irradiation for medical applications. , 1998, , .		0
41	Photodynamic therapy using hematoporphyrin derivative and He-Ne laser irradiation in Erlich tumor: an experimental study on mice. , 1998, , .		0
42	Optical properties of polycrystalline In x Ga 1-x Sb (x=0.20) from 15 to 30 $\hat{m}$ . , 1998, 3405, 860.		0
43	Fluid optical components and their applications in optoelectronics. , 1998, 3405, 801.		0