

# Marcin Kowalski

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

512  
citations

932766

10  
h-index

752256

20  
g-index

64  
all docs

64  
docs citations

64  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	COVID-19 Detection from Chest X-ray Images Using Feature Fusion and Deep Learning. <i>Sensors</i> , 2021, 21, 1480.	2.1	112
2	Comparative Studies of Passive Imaging in Terahertz and Mid-Wavelength Infrared Ranges for Object Detection. <i>IEEE Transactions on Information Forensics and Security</i> , 2016, 11, 2028-2035.	4.5	44
3	Applying supervised contrastive learning for the detection of diabetic retinopathy and its severity levels from fundus images. <i>Computers in Biology and Medicine</i> , 2022, 146, 105602.	3.9	44
4	Passive imaging of concealed objects in terahertz and long-wavelength infrared. <i>Applied Optics</i> , 2015, 54, 3826.	2.1	42
5	Hidden Object Detection and Recognition in Passive Terahertz and Mid-wavelength Infrared. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 1074-1091.	1.2	28
6	An intelligent system for automatic fingerprint identification using feature fusion by Gabor filter and deep learning. <i>Computers and Electrical Engineering</i> , 2021, 95, 107387.	3.0	23
7	High order kinoforms as a broadband achromatic diffractive optics for terahertz beams. <i>Optics Express</i> , 2014, 22, 3137.	1.7	21
8	Real-time concealed object detection and recognition in passive imaging at 250 GHz. <i>Applied Optics</i> , 2019, 58, 3134.	0.9	21
9	THz spectroscopy and imaging in security applications. , 2012, , .		15
10	Hidden Object Detection System Based on Fusion of THz and VIS Images. <i>Acta Physica Polonica A</i> , 2013, 124, 490-493.	0.2	15
11	A Study on Presentation Attack Detection in Thermal Infrared. <i>Sensors</i> , 2020, 20, 3988.	2.1	13
12	Improvement of passive THz camera images. , 2012, , .		11
13	PROTECT Multimodal DB: fusion evaluation on a novel multimodal biometrics dataset envisaging Border Control. , 2018, , .		11
14	PROTECT: Pervasive and useR fOCused biomeTrics bordEr projeCT – a case study. <i>IET Biometrics</i> , 2020, 9, 297-308.	1.6	8
15	Data encryption of optical fibre communication using pseudo-random spatial light modulation. <i>Opto-electronics Review</i> , 2016, 24, .	2.4	7
16	Harmless screening of humans for the detection of concealed objects. <i>WIT Transactions on the Built Environment</i> , 2015, , .	0.0	7
17	Towards Fingerprint Spoofing Detection in the Terahertz Range. <i>Sensors</i> , 2020, 20, 3379.	2.1	6
18	Increasing the instrumental resolution of a commercially available passive THz camera due to computer treatment of image. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
19	Laser Photography Device - Spatial Parameters of Imaging. Acta Physica Polonica A, 2013, 124, 550-553.	0.2	5
20	Multispectral concealed weapon detection in visible, infrared, and terahertz. Proceedings of SPIE, 2014, , .	0.8	5
21	Encryption method based on pseudo random spatial light modulation for single-fibre data transmission. Optics Communications, 2017, 402, 401-407.	1.0	5
22	Face re-identification in thermal infrared spectrum based on ThermalFaceNet neural network. , 2018, , .		5
23	Monitoring of air voids at plastic-metal interfaces by terahertz radiation. Infrared Physics and Technology, 2020, 104, 103119.	1.3	5
24	Investigation of concealed objects detection in visible, infrared and terahertz ranges of radiation. Photonics Letters of Poland, 2013, 5, .	0.2	5
25	The Role of a Laser Photography Device Illuminator in Acquisition of Spatial Information. Acta Physica Polonica A, 2012, 122, 862-865.	0.2	5
26	Increasing the quality of image of a commercially available passive THz camera due to computer processing of image. Proceedings of SPIE, 2012, , .	0.8	4
27	Processing of THz images acquired by passive camera. Photonics Letters of Poland, 2012, 4, .	0.2	4
28	Thermalâ€“Visible Face Recognition Based on CNN Features and Triple Triplet Configuration for On-the-Move Identity Verification. Sensors, 2022, 22, 5012.	2.1	4
29	Thermal Face Verification through Identification. Sensors, 2021, 21, 3301.	2.1	3
30	Detection of Inflatable Boats and People in Thermal Infrared with Deep Learning Methods. Sensors, 2021, 21, 5330.	2.1	3
31	Measurement Stand for TeraEYE Inspection. Acta Physica Polonica A, 2011, 120, 720-724.	0.2	3
32	Laser Photography in Selective Space Imaging and Navigation. GeoPlanet: Earth and Planetary Sciences, 2013, , 35-49.	0.2	2
33	Ultra long range surveillance camera for critical infrastructure protection research range. Proceedings of SPIE, 2013, , .	0.8	2
34	A Quantum Key as the Fiber Optic Security Sensor. Acta Physica Polonica A, 2013, 124, 606-609.	0.2	2
35	The evaluation methodology of THz-VIS fused images. , 2013, , .		2
36	Passive imaging at 250â€“GHz for detection of face presentation attacks. Optics Express, 2021, 29, 1956.	1.7	2

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37	Optical fiber sensors as the primary element in the protection of critical infrastructure especially in optoelectronic transmission lines. WIT Transactions on the Built Environment, 2013, , .	0.0	2
38	Test environment for image synthesis of a single pixel camera. , 2012, , .		1
39	Passive signatures concealed objects recorded by multispectral and hyperspectral systems in visible, infrared and terahertz range. Proceedings of SPIE, 2014, , .	0.8	1
40	Detection of 3D face masks with thermal infrared imaging and deep learning techniques. Photonics Letters of Poland, 2021, 13, 22.	0.2	1
41	Hardware Implementation of Time-Spatial Framing Method. Annals of DAAAM & Proceedings, 2012, , 0305-0308.	0.1	1
42	THz Screening for Civil and Military Security. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 211-228.	0.2	1
43	Imaging with laser photography camera during limited visibility. Photonics Letters of Poland, 2014, 6, .	0.2	1
44	Face recognition in the thermal infrared domain. , 2017, , .		1
45	Laser photography system: hardware configuration. Proceedings of SPIE, 2012, , .	0.8	0
46	Thermal human phantom for testing of millimeter wave cameras. , 2012, , .		0
47	THz-VIS passive imaging system for visualization of hidden threats. , 2013, , .		0
48	Multispectral THz-VIS passive imaging system for hidden threats visualization. , 2013, , .		0
49	The evaluation of THz-VIS fused images. , 2013, , .		0
50	Multispectral solutions in surveillance systems: the need for data fusion. WIT Transactions on the Built Environment, 2013, , .	0.0	0
51	Investigations on time stability of passive THz imaging. , 2014, , .		0
52	Improvement of terahertz imaging using lock-in techniques. , 2015, , .		0
53	Comparison of objects detection capabilities in LWIR and THz ranges. Proceedings of SPIE, 2015, , .	0.8	0
54	Transmission and Reflection Characteristics of Textiles in the Terahertz Range. NATO Science for Peace and Security Series B: Physics and Biophysics, 2021, , 131-144.	0.2	0

#	ARTICLE	IF	CITATIONS
55	The methodology of THz-VIS fused images evaluation. Photonics Letters of Poland, 2013, 5, .	0.2	0
56	Computer Processing of Images Captured with a Commercially Available THz Camera at Long Distances. NATO Science for Peace and Security Series B: Physics and Biophysics, 2014, , 167-174.	0.2	0
57	Simple thermal to thermal face verification method based on local texture descriptors. , 2017, , .		0
58	Cross spectral, active and passive approach to face recognition for improved performance. , 2017, , .		0
59	Weryfikacja osÅ³b na podstawie wizerunku twarzy i odcisku palca - badania eksperymentalne. Przegląd Elektrotechniczny, 2017, 1, 154-159.	0.1	0
60	Demonstrator biometrycznego systemu wjazdu/wyjazdu do strefy Schengen - badania eksperymentalne. Przegląd Elektrotechniczny, 2018, 1, 111-116.	0.1	0
61	Mobile border verification of travellers based on fingerprints: experimental studies. , 2018, , .		0
62	Face re-identification across pose in thermal infrared spectrum based on local texture descriptors. , 2018, , .		0
63	Terahertz detection of fingerprint spoofing. , 2020, , .		0