Marcin Kowalski

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | COVID-19 Detection from Chest X-ray Images Using Feature Fusion and Deep Learning. Sensors, 2021, 21, 1480. | 3.8 | 112 |
| 2 | Comparative Studies of Passive Imaging in Terahertz and Mid-Wavelength Infrared Ranges for Object Detection. IEEE Transactions on Information Forensics and Security, 2016, 11, 2028-2035. | 6.9 | 44 |
| 3 | Applying supervised contrastive learning for the detection of diabetic retinopathy and its severity levels from fundus images. Computers in Biology and Medicine, 2022, 146, 105602. | 7.0 | 44 |
| 4 | Passive imaging of concealed objects in terahertz and long-wavelength infrared. Applied Optics, 2015, 54, 3826. | 2.1 | 42 |
| 5 | Hidden Object Detection and Recognition in Passive Terahertz and Mid-wavelength Infrared. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 1074-1091. | 2.2 | 28 |
| 6 | An intelligent system for automatic fingerprint identification using feature fusion by Gabor filter and deep learning. Computers and Electrical Engineering, 2021, 95, 107387. | 4.8 | 23 |
| 7 | High order kinoforms as a broadband achromatic diffractive optics for terahertz beams. Optics Express, 2014, 22, 3137. | 3.4 | 21 |
| 8 | Real-time concealed object detection and recognition in passive imaging at 250  GHz. Applied Optics, 2019, 58, 3134. | 1.8 | 21 |
| 9 | THz spectroscopy and imaging in security applications. , 2012, , . | | 15 |
| 10 | Hidden Object Detection System Based on Fusion of THz and VIS Images. Acta Physica Polonica A, 2013, 124, 490-493. | 0.5 | 15 |
| 11 | A Study on Presentation Attack Detection in Thermal Infrared. Sensors, 2020, 20, 3988. | 3.8 | 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. IET Biometrics, 2020, 9, 297-308. | 2.5 | 8 |
| 15 | Data encryption of optical fibre communication using pseudo-random spatial light modulation. Opto-electronics Review, 2016, 24, . | 2.4 | 7 |
| 16 | Harmless screening of humans for the detection of concealed objects. WIT Transactions on the Built Environment, 2015, , . | 0.0 | 7 |
| 17 | Towards Fingerprint Spoofing Detection in the Terahertz Range. Sensors, 2020, 20, 3379. | 3.8 | 6 |
| 18 | Increasing the instrumental resolution of a commercially available passive THz camera due to | | 5 |

computer treatment of image. , 2012, , .

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|----|--|-----|-----------|
| 19 | Laser Photography Device - Spatial Parameters of Imaging. Acta Physica Polonica A, 2013, 124, 550-553. | 0.5 | 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. | 2.1 | 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. | 2.9 | 5 |
| 24 | Investigation of concealed objects detection in visible, infrared and terahertz ranges of radiation. Photonics Letters of Poland, 2013, 5, . | 0.4 | 5 |
| 25 | The Role of a Laser Photography Device Illuminator in Acquisition of Spatial Information. Acta Physica Polonica A, 2012, 122, 862-865. | 0.5 | 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, . | 0.4 | 4 |
| 28 | Thermal–Visible Face Recognition Based on CNN Features and Triple Triplet Configuration for On-the-Move Identity Verification. Sensors, 2022, 22, 5012. | 3.8 | 4 |
| 29 | Thermal Face Verification through Identification. Sensors, 2021, 21, 3301. | 3.8 | 3 |
| 30 | Detection of Inflatable Boats and People in Thermal Infrared with Deep Learning Methods. Sensors, 2021, 21, 5330. | 3.8 | 3 |
| 31 | Measurement Stand for TeraEYE Inspection. Acta Physica Polonica A, 2011, 120, 720-724. | 0.5 | 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. | 0.5 | 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. | 3.4 | 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. | 0.4 | 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. | 0.3 | 1 |
| 43 | Imaging with laser photography camera during limited visibility. Photonics Letters of Poland, 2014, 6, . | 0.4 | 1 |
| 44 | Face recognition in the thermal infrared domain. , 2017, , . | | 1 |
| 45 | Laser photography system: hardware configuration. Proceedings of SPIE, 2012, , . | 0.8 | Ο |
| 46 | Thermal human phantom for testing of millimeter wave cameras. , 2012, , . | | 0 |
| 47 | THz-VIS passive imaging system for visualization of hidden threats. , 2013, , . | | Ο |
| 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. | 0.3 | 0 |

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|----|--|-----|-----------|
| 55 | The methodology of THz-VIS fused images evaluation. Photonics Letters of Poland, 2013, 5, . | 0.4 | Ο |
| 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. | 0.3 | 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 osób na podstawie wizerunku twarzy i odcisku palca - badania eksperymentalne. Przeglad Elektrotechniczny, 2017, 1, 154-159. | 0.2 | 0 |
| 60 | Demonstrator biometrycznego systemu wjazdu/wyjazdu do strefy Schengen - badania eksperymentalne. Przeglad Elektrotechniczny, 2018, 1, 111-116. | 0.2 | 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 |