

Projekta Izp-2018/2-0006 rezultāti

Progresīva spektrālās attēlošanas tehnoloģija ādas diagnostikai

Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS

1. Spigulis, J.; Rupenheits, Z.; Matulenko, M.; Oshina, I.; Rubins, U. A snapshot multi-wavelengths imaging device for in-vivo skin diagnostics. - Multimodal Biomedical Imaging XV, 2020, SPIE: Vol. 11232. <https://doi.org/10.1117/12.2547286>
2. Spigulis, J.; Oshina, I.; Potapovs, P.; Lauberts, K. Snapshot multi-spectral-line imaging for applications in dermatology and forensics. - Imaging, Manipulation, and Analysis of Biomolecules, Cells, and Tissues XVII, 2019, SPIE: Vol. 10881. <https://doi.org/10.1117/12.2508204>
3. Spigulis, J.; Lukinsone, V.; Oshina, I.; Kviesis-Kipge, E.; Tamosiunas, M.; Lihachev, A. Riga Group's recent results on laser applications for skin diagnostics. - 21st International Conference and School on Quantum Electronics: Laser Physics and Applications, ICSQE, 2020, 2021; IOP Publishing Ltd: Vol. 1859. <https://doi.org/10.1088/1742-6596/1859/1/012033>
4. Lange, M.; Kiss, N.; Fesus, L.; Plorina, E. V.; Derjabo, A.; Spigulis, J. Non-invasive LED-based screening solution for skin cancer. - Clinical and Preclinical Optical Diagnostics II, 2019, SPIE: Vol. 11073. <https://doi.org/10.1117/12.2526386>
5. Lange, M.; Kiss, N.; Fesus, L.; Plorina, E. V.; Derjabo, A.; Spigulis, J. Non-invasive LED-based screening solution for skin cancer. - European Conference on Biomedical Optics, ECBO_2019, Optica Publishing Group: Vol. Part F142-ECBO 2019, <https://doi.org/10.1117/12.2526386>
6. Spigulis, J.; Rupenheits, Z.; Rubins, U.; Mileiko, M.; Oshina, I. Spectral line reflectance and fluorescence imaging device for skin diagnostics. - Appl. Sci., 2020, 10 (21), 1-10, <https://doi.org/10.3390/app10217472>
7. Spigulis, J.; Kuzmina, I.; Lihacova, I.; Lukinsone, V.; Cugmas, B.; Grabovskis, A.; Kviesis-Kipge, E.; Lihachev, A. Biophotonics research in Riga: Recent projects and results. – Biophotonics, Riga 2020, SPIE: Vol. 11585. <https://doi.org/10.1117/12.2581799>

Reģistrēts intelektuālais īpašums:

1. J. Spigulis, I. Oshina, Z. Rupenheits, M. Matulenko “Device for uniform surface illumination simultaneously by several laser spectral lines”, LV 15491 B, 2020



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