# Lenny A Romero

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 36 papers | 121 citations | 1478505 6 h-index | 1372567 10 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 82 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Trade-Off Asymmetric Profile for Extended-Depth-of-Focus Ocular Lens. Photonics, 2022, 9, 119. | 2.0 | 2 |
| 2 | Method for large-scale structured-light system calibration. Optics Express, 2021, 29, 17316. | 3.4 | 10 |
| 3 | MarkerPose: Robust Real-time Planar Target Tracking for Accurate Stereo Pose Estimation. , 2021, , . | | 3 |
| 4 | Skin color correction via convolutional neural networks in 3D fringe projection profilometry. , 2021, , . | | 0 |
| 5 | What is the best triangulation approach for a structured light system?. , 2020, , . | | 4 |
| 6 | Hybrid calibration method for improving 3D measurement accuracy of structured light systems. , 2020, , . | | 3 |
| 7 | SPUD: simultaneous phase unwrapping and denoising algorithm for phase imaging. Applied Optics, 2020, 59, D81. | 1.8 | 14 |
| 8 | Hybrid calibration procedure for fringe projection profilometry based on stereo vision and polynomial fitting. Applied Optics, 2020, 59, D163. | 1.8 | 24 |
| 9 | Toward the generation of reproducible synthetic surface data in optical metrology. , 2020, , . | | 0 |
| 10 | Automated corneal endothelium image segmentation in the presence of cornea guttata via convolutional neural networks. , 2020, , . | | 5 |
| 11 | A low-cost multi-modal medical imaging system with fringe projection profilometry and 3D freehand ultrasound. , 2020, , . | | 4 |
| 12 | Desarrollo e implementaciÃ³n de un perfilÃ³metro Ã³ptico por triangulaciÃ³n lÃ¡ser. , 2020, , . | | 0 |
| 13 | Developing a Robust Acquisition System for Fringe Projection Profilometry. Journal of Physics: Conference Series, 2019, 1247, 012053. | 0.4 | 4 |
| 14 | Robust automated reading of the skin prick test via 3D imaging and parametric surface fitting. PLoS ONE, 2019, 14, e0223623. | 2.5 | 7 |
| 15 | Noise-Robust Processing of Phase Dislocations using Combined Unwrapping and Sparse Inpainting with Dictionary Learning. , 2019, , . | | 1 |
| 16 | A Structure-from-Motion Pipeline for Generating Digital Elevation Models for Surface-Runoff Analysis. Journal of Physics: Conference Series, 2019, 1247, 012039. | 0.4 | 2 |
| 17 | Wide-field 3D imaging with an LED pattern projector for accurate skin feature measurements via Fourier transform profilometry. , 2019, , . | | 1 |
| 18 | Toward an automatic 3D measurement of skin wheals from skin prick tests. , 2019, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A flexible and simplified calibration procedure for fringe projection profilometry. , 2019, , . | | 2 |
| 20 | A Structure-from-Motion Pipeline for Topographic Reconstructions Using Unmanned Aerial Vehicles and Open Source Software. Communications in Computer and Information Science, 2018, , 213-225. | 0.5 | 3 |
| 21 | Camera-Projector Calibration Methods with Compensation of Geometric Distortions in Fringe Projection Profilometry: A Comparative Study. Optica Pura Y Aplicada, 2018, 51, 1-10. | 0.1 | 9 |
| 22 | Fringe Quality Map for Fringe Projection Profilometry in LabVIEW. Optica Pura Y Aplicada, 2018, 51, 1-8. | 0.1 | 3 |
| 23 | A Particle Swarm Optimization Approach to Log-Gabor Filtering in Fourier Transform Profilometry. , 2018, , . | | 0 |
| 24 | Evaluating the Influence of Camera and Projector Lens Distortion in 3D Reconstruction Quality for Fringe Projection Profilometry. , 2018, , . | | 1 |
| 25 | An Experimental Study on Deformation Analysis of an Indented Pipe via Fringe Projection Profilometry and Digital Image Correlation. , 2018, , . | | 0 |
| 26 | Programmable Diffractive Optical Elements with Applicability in Ophthalmic Optics. Optica Pura Y Aplicada, 2017, 50, 75-91. | 0.1 | 1 |
| 27 | Background intensity removal in structured light three-dimensional reconstruction. , 2016, , . | | 1 |
| 28 | Background Intensity Removal in Fourier Transform Profilometry: A Comparative Study. , 2016, , . | | 0 |
| 29 | Programmable diffractive optical elements for extending the depth of focus in ophthalmic optics. Proceedings of SPIE, 2015, , . | 0.8 | 5 |
| 30 | Programmable diffractive lens for ophthalmic application. Optical Engineering, 2014, 53, 061709. | 1.0 | 0 |
| 31 | A vision-based system for the dynamic measurement of in-plane displacements. , 2014, , . | | 1 |
| 32 | Ophthalmic compensation of visual ametropia based on a programmable diffractive lens. , 2013, , . | | 0 |
| 33 | Double peacock eye optical element for extended focal depth imaging with ophthalmic applications. Journal of Biomedical Optics, 2012, 17, 046013. | 2.6 | 9 |
| 34 | Extended focal depth imaging using single and double peacock eye phase diffractive elements. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 35 | Optical implementation of multifocal programmable lens with single and multiple axes. Journal of Physics: Conference Series, 2011, 274, 012050. | 0.4 | 2 |
| 36 | <title>Quantitative evaluation of blisters in polymer-coated steels by three-dimensional optical reconstruction</title>. , 2004, , . | | 0 |