

# Filippo Bergamasco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/798336/publications.pdf>

Version: 2024-02-01

59  
papers

920  
citations

623734

14  
h-index

580821

25  
g-index

59  
all docs

59  
docs citations

59  
times ranked

770  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Deep Demosaicing for Polarimetric Filter Array Cameras. IEEE Transactions on Image Processing, 2022, 31, 2017-2026.                       | 9.8 | 16        |
| 2  | One-Shot HDR Imaging via Stereo PFA Cameras. Lecture Notes in Computer Science, 2022, , 467-478.  | 1.3 | 1         |
| 3  | A Relevance-Based CNN Trimming Method for Low-Resources Embedded Vision. Lecture Notes in Computer Science, 2022, , 297-309.              | 1.3 | 2         |
| 4  | Towards a unified framework for extreme sea waves from spectral models: rationale and applications. Ocean Engineering, 2021, 219, 108263. | 4.3 | 20        |
| 5  | Toward real-time optical estimation of ocean waves' space-time fields. Computers and Geosciences, 2021, 147, 104666.                      | 4.2 | 5         |
| 6  | Spatially Distributed Sea Wave Measurements. Journal of Marine Science and Engineering, 2021, 9, 238.                                     | 2.6 | 2         |
| 7  | On the extreme value statistics of spatio-temporal maximum sea waves under cyclone winds. Progress in Oceanography, 2021, 197, 102642.    | 3.2 | 7         |
| 8  | A Physics-Driven CNN Model for Real-Time Sea Waves 3D Reconstruction. Remote Sensing, 2021, 13, 3780.                                     | 4.0 | 8         |
| 9  | A Low-Cost Stereo Video System for Measuring Directional Wind Waves. Journal of Marine Science and Engineering, 2020, 8, 831.             | 2.6 | 11        |
| 10 | A data set of sea surface stereo images to resolve space-time wave fields. Scientific Data, 2020, 7, 145.                                 | 5.3 | 22        |
| 11 | Cylinders extraction in non-oriented point clouds as a clustering problem. Pattern Recognition, 2020, 107, 107443.                        | 8.1 | 13        |
| 12 | Geolocating Time: Digitisation and Reverse Engineering of a Roman Sundial. Lecture Notes in Computer Science, 2020, , 143-158.            | 1.3 | 1         |
| 13 | Analysis of the effect of fish oil on wind waves and implications for air-water interaction studies. Ocean Science, 2019, 15, 725-743.    | 3.4 | 6         |
| 14 | Robust phase unwrapping by probabilistic consensus. Optics and Lasers in Engineering, 2019, 121, 428-440.                                 | 3.8 | 14        |
| 15 | Saliency-Driven Variational Retargeting for Historical Maps. Lecture Notes in Computer Science, 2019, , 617-630.                          | 1.3 | 0         |
| 16 | Stereo imaging and X-band radar wave data fusion: An assessment. Ocean Engineering, 2018, 152, 346-352.                                   | 4.3 | 14        |
| 17 | Cross-Dataset Data Augmentation for Convolutional Neural Networks Training. , 2018, , .   |     | 6         |
| 18 | Adaptive Albedo Compensation for Accurate Phase-Shift Coding. , 2018, , .   |     | 7         |

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|----|--|------|-----------|
| 19 | Neighborhood-Based Recovery of Phase Unwrapping Faults. , 2018, , .  |      | 2         |
| 20 | Characterizing the signature of a spatio-temporal wind wave field. Ocean Modelling, 2018, 129, 104-123.  | 2.4  | 17        |
| 21 | Learning Computer Vision Through the Development of a Camera-Trackable Game Controller. , 2018, , 1893-1903.   |      | 0         |
| 22 | Numerical modeling of space-time wave extremes using WAVEWATCH III. Ocean Dynamics, 2017, 67, 535-549.   | 2.2  | 24        |
| 23 | On the shape and likelihood of oceanic rogue waves. Scientific Reports, 2017, 7, 8276.   | 3.3  | 39        |
| 24 | WASS: An open-source pipeline for 3D stereo reconstruction of ocean waves. Computers and Geosciences, 2017, 107, 28-36.                              | 4.2  | 48        |
| 25 | Parameter-Free Lens Distortion Calibration of Central Cameras. , 2017, , .   |      | 12        |
| 26 | Spectral Dichromatic Parameter Recovery from Two Views via Total Variation Hyper-priors. Lecture Notes in Computer Science, 2017, , 317-333.         | 1.3  | 0         |
| 27 | Multi-view horizon-driven sea plane estimation for stereo wave imaging on moving vessels. Computers and Geosciences, 2016, 95, 105-117.              | 4.2  | 6         |
| 28 | Dense multi-view homography estimation and plane segmentation. , 2016, , .   |      | 1         |
| 29 | Robust joint selection of camera orientations and feature projections over multiple views. , 2016, , .   |      | 6         |
| 30 | A game-theoretical approach for joint matching of multiple feature throughout unordered images. , 2016, , .  |      | 3         |
| 31 | A 5 degrees of freedom multi-user pointing device for interactive whiteboards. Pattern Analysis and Applications, 2016, 19, 237-250.                 | 4.6  | 0         |
| 32 | Stereo wave imaging from moving vessels: Practical use and applications. Coastal Engineering, 2016, 109, 114-127.                                    | 4.0  | 34        |
| 33 | An Accurate and Robust Artificial Marker Based on Cyclic Codes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2359-2373. | 13.9 | 50        |
| 34 | Analysis and Interpretation of Frequencyâ€Wavenumber Spectra of Young Wind Waves. Journal of Physical Oceanography, 2015, 45, 2484-2496.             | 1.7  | 64        |
| 35 | Adopting an unconstrained ray model in light-field cameras for 3D shape reconstruction. , 2015, , .  |      | 10        |
| 36 | Observation of Extreme Sea Waves in a Spaceâ€Time Ensemble. Journal of Physical Oceanography, 2015, 45, 2261-2275.                                   | 1.7  | 75        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Phase-based spatio-temporal interpolation for accurate 3D localization in camera networks. Pattern Recognition Letters, 2015, 63, 1-8.                                   | 4.2  | 0         |
| 38 | Italian seas wave extremes: a preliminary assessment. Rendiconti Lincei, 2015, 26, 25-35.  | 2.2  | 4         |
| 39 | Dynamic Optimal Path Selection for 3D Triangulation with Multiple Cameras. Lecture Notes in Computer Science, 2015, , 468-479.   | 1.3  | 8         |
| 40 | Design and Evaluation of a Viewer-Dependent Stereoscopic Display. , 2014, , .  |      | 3         |
| 41 | High-Coverage 3D Scanning through Online Structured Light Calibration. , 2014, , .   |      | 4         |
| 42 | A low cost tracking system for position-dependent 3D visual interaction. , 2014, , .   |      | 1         |
| 43 | Camera Calibration from Coplanar Circles. , 2014, , .  |      | 11        |
| 44 | Towards an Operational Stereo System for Directional Wave Measurements From Moving Platforms. , 2014, , .  |      | 5         |
| 45 | Stochastic Space-Time Extremes of Wind Sea States: Validation and Modeling. , 2014, , .  |      | 4         |
| 46 | A Practical Setup for Projection-Based Augmented Maps. Advances in Human and Social Aspects of Technology Book Series, 2014, , 13-22.                                    | 0.3  | 0         |
| 47 | Learning Computer Vision through the Development of a Camera-Trackable Game Controller. Advances in Human and Social Aspects of Technology Book Series, 2014, , 154-163. | 0.3  | 1         |
| 48 | Using multiple sensors for reliable markerless identification through supervised learning. Machine Vision and Applications, 2013, 24, 1539-1554.                         | 2.7  | 3         |
| 49 | Pi-Tag: a fast image-space marker design based on projective invariants. Machine Vision and Applications, 2013, 24, 1295-1310.   | 2.7  | 53        |
| 50 | A Scale Independent Selection Process for 3D Object Recognition in Cluttered Scenes. International Journal of Computer Vision, 2013, 102, 129-145.                       | 15.6 | 85        |
| 51 | Can a Fully Unconstrained Imaging Model Be Applied Effectively to Central Cameras?. , 2013, , .  |      | 9         |
| 52 | A Robust Multi-camera 3D Ellipse Fitting for Contactless Measurements. , 2012, , .   |      | 12        |
| 53 | A game-theoretic approach to deformable shape matching. , 2012, , .  |      | 53        |
| 54 | A graph-based technique for semi-supervised segmentation of 3D surfaces. Pattern Recognition Letters, 2012, 33, 2057-2064.   | 4.2  | 11        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | RUNE-Tag: A high accuracy fiducial marker with strong occlusion resilience. , 2011, , .   |     | 76        |
| 56 | A Non-cooperative Game for 3D Object Recognition in Cluttered Scenes. , 2011, , .   |     | 16        |
| 57 | Image-Space Marker Detection and Recognition Using Projective Invariants. , 2011, , .   |     | 12        |
| 58 | Semi-supervised Segmentation of 3D Surfaces Using a Weighted Graph Representation. Lecture Notes in Computer Science, 2011, , 225-234.                      | 1.3 | 3         |
| 59 | Practical Metrics for Error Assessment with Interactive Museum Installations. Advances in Social Networking and Online Communities Book Series, 0, , 70-83. | 0.4 | 0         |