

# Carlos Ricolfe-Viala

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3822635/publications.pdf>

Version: 2024-02-01

25  
papers

463  
citations

932766

10  
h-index

676716

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust metric calibration of non-linear camera lens distortion. Pattern Recognition, 2010, 43, 1688-1699.	5.1	82
2	Lens distortion models evaluation. Applied Optics, 2010, 49, 5914.	2.1	74
3	Camera calibration under optimal conditions. Optics Express, 2011, 19, 10769.	1.7	45
4	Recent development in micro-handling systems for micro-manufacturing. Journal of Materials Processing Technology, 2005, 167, 499-507.	3.1	44
5	Correcting non-linear lens distortion in cameras without using a model. Optics and Laser Technology, 2010, 42, 628-639.	2.2	40
6	Using the camera pin-hole model restrictions to calibrate the lens distortion model. Optics and Laser Technology, 2011, 43, 996-1005.	2.2	40
7	Fall detection based on the gravity vector using a wide-angle camera. Expert Systems With Applications, 2014, 41, 7980-7986.	4.4	31
8	Accurate calibration with highly distorted images. Applied Optics, 2012, 51, 89.	0.9	22
9	Calibration of a trinocular system formed with wide angle lens cameras. Optics Express, 2012, 20, 27691.	1.7	16
10	Efficient Lens Distortion Correction for Decoupling in Calibration of Wide Angle Lens Cameras. IEEE Sensors Journal, 2013, 13, 854-863.	2.4	16
11	Industrial Robot Programming and UPnP Services Orchestration for the Automation of Factories. International Journal of Advanced Robotic Systems, 2012, 9, 123.	1.3	7
12	An inter-machine material handling system for micro-manufacturing based on using a standard carrier. International Journal of Advanced Manufacturing Technology, 2010, 47, 937-943.	1.5	6
13	Calibration of a wide angle stereoscopic system. Optics Letters, 2011, 36, 3064.	1.7	6
14	The Influence of Autofocus Lenses in the Camera Calibration Process. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	2.4	6
15	Improved Camera Calibration Method Based on a Two-Dimensional Template. Lecture Notes in Computer Science, 2007, , 420-427.	1.0	5
16	Optimal conditions for camera calibration using a planar template. , 2011, , .		4
17	A flexible packaging station for micro-bulk-forming applications based on a standard carrier. International Journal of Advanced Manufacturing Technology, 2012, 61, 529-536.	1.5	4
18	Improving Robot Perception Skills Using a Fast Image-Labeling Method with Minimal Human Intervention. Applied Sciences (Switzerland), 2022, 12, 1557.	1.3	4

#	ARTICLE	IF	CITATIONS
19	A Database for Learning Numbers by Visual Finger Recognition in Developmental Neuro-Robotics. Frontiers in Neurorobotics, 2021, 15, 619504.	1.6	3
20	Depth-Dependent High Distortion Lens Calibration. Sensors, 2020, 20, 3695.	2.1	2
21	Uncertainty Analysis of Camera Parameters Computed with a 3D Pattern. Lecture Notes in Computer Science, 2005, , 204-211.	1.0	2
22	Preliminary Investigation on Visual Finger-Counting with the iCub Robot Cameras and Hands. Lecture Notes in Computer Science, 2019, , 484-488.	1.0	2
23	VISUAL-BASED HUMAN ACTION RECOGNITION ON SMART PHONES BASED ON 2D AND 3D DESCRIPTORS. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1260009.	0.7	1
24	Dual Quaternions as Constraints in 4D-DPM Models for Pose Estimation. Sensors, 2017, 17, 1913.	2.1	1
25	Improving accuracy and confidence interval of camera parameters estimated with a planar pattern. , 2005, , .		0