Hieu Nguyen

List of Publications by Year
in descending order

21 papers	560 citations	687363 13 h-index	839539 18 g-index
22 all docs	22 docs citations	22 times ranked	354 citing authors

#	Article	IF	Citations
1	Real-time, high-accuracy 3D imaging and shape measurement. Applied Optics, 2015, 54, A9.	1.8	122
2	Digital image correlation in experimental mechanics and image registration in computer vision: Similarities, differences and complements. Optics and Lasers in Engineering, 2015, 65, 18-27.	3.8	88
3	Single-Shot 3D Shape Reconstruction Using Structured Light and Deep Convolutional Neural Networks. Sensors, 2020, 20, 3718.	3.8	67
4	Accurate 3D shape measurement of multiple separate objects with stereo vision. Measurement Science and Technology, 2014, 25, 035401.	2.6	50
5	3D shape, deformation, and vibration measurements using infrared Kinect sensors and digital image correlation. Applied Optics, 2017, 56, 9030.	1.8	35
6	Three-dimensional Shape Reconstruction from Single-shot Speckle Image Using Deep Convolutional Neural Networks. Optics and Lasers in Engineering, 2021, 143, 106639.	3.8	31
7	Real-time 3D shape measurement using 3LCD projection and deep machine learning. Applied Optics, 2019, 58, 7100.	1.8	28
8	Accuracy assessment of fringe projection profilometry and digital image correlation techniques for three-dimensional shape measurements. JPhys Photonics, 2021, 3, 014004.	4.6	23
9	Accurate 3D reconstruction via fringe-to-phase network. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110663.	5.0	20
10	Audio extraction from silent high-speed video using an optical technique. Optical Engineering, 2014, 53, 110502.	1.0	17
11	hNet: Single-shot 3D shape reconstruction using structured light and h-shaped global guidance network. Results in Optics, 2021, 4, 100104.	2.0	16
12	Demonstration of a laparoscopic structured-illumination three-dimensional imaging system for guiding reconstructive bowel anastomosis. Journal of Biomedical Optics, 2018, 23, 1.	2.6	14
13	Accurate 3D Shape Reconstruction from Single Structured-Light Image via Fringe-to-Fringe Network. Photonics, 2021, 8, 459.	2.0	14
14	Three-dimensional facial digitization using advanced digital image correlation. Applied Optics, 2018, 57, 2188.	1.8	13
15	MIMONet: Structured-light 3D shape reconstruction by a multi-input multi-output network. Applied Optics, 2021, 60, 5134.	1.8	12
16	Single-Camera-Based 3D DIC for Fast-Speed Measurement. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 309-313.	0.5	3
17	Acquisition of Audio Information from Silent High Speed Video. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 105-111.	0.5	3
18	A demonstration of structured-illumination-based technique using commercial surgical endoscope. , 2017, 2017, .		2

#	Article	IF	Citations
19	Accuracy Comparison of Fringe Projection Technique and 3D Digital Image Correlation Technique. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 195-201.	0.5	2
20	3D shape measurement using image-matching-based techniques. , 2017, , .		0
21	Passive 3D Face Reconstruction with 3D Digital Image Correlation. Conference Proceedings of the Society for Experimental Mechanics, 2015, , 403-407.	0.5	0