Vignesh Suresh

List of Publications by Year
in descending order

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		1163117	1372567
18	218	8	10
papers	citations	h-index	g-index

19	19	19	150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-situ monitoring of Direct Energy Deposition via Structured Light System and its application in remanufacturing industry. Procedia Manufacturing, 2021, 53, 64-71.	1.9	3
2	High-resolution structured light 3D vision for fine-scale characterization to assist robotic assembly. , 2021, , .		2
3	PMENet: phase map enhancement for Fourier transform profilometry using deep learning. Measurement Science and Technology, 2021, 32, 105001.	2.6	12
4	Motion induced error reduction methods for phase shifting profilometry: A review. Optics and Lasers in Engineering, 2021, 141, 106573.	3.8	45
5	In situ monitoring of direct energy deposition via structured light system and its application in remanufacturing industry. International Journal of Advanced Manufacturing Technology, 2021, 116, 959-974.	3.0	9
6	Quantifying quality of 3D printed clay objects using a 3D structured light scanning system. Additive Manufacturing, 2020, 32, 100987.	3.0	16
7	Correlation approach for quality assurance of additive manufactured parts based on optical metrology. Journal of Manufacturing Processes, 2020, 53, 310-317.	5.9	30
8	Similarity evaluation of 3D topological measurement results using statistical methods. , 2020, , .		2
9	Photomechanics evaluation combining fringe projection and digital height correlation. , 2020, , .		0
10	Digital image correlation for highly reflective objects using digital micro-mirror device. , 2020, , .		0
11	Real-time high-dynamic-range fringe acquisition for 3D shape measurement with a RGB camera. Measurement Science and Technology, 2019, 30, 075202.	2.6	19
12	Surface Roughness Measurement of Additive Manufactured Parts Using Focus Variation Microscopy and Structured Light System. , 2019, , .		2
13	Motion-induced error reduction for binary defocusing profilometry via additional temporal sampling. Optics Express, 2019, 27, 23948.	3.4	14
14	High-speed high dynamic range 3D shape measurement with digital micro-mirror device. , 2019, , .		0
15	High dynamic range 3D shape measurement based on multispectral imaging. , 2019, , .		0
16	Motion-induced error reduction for phase shifting profilometry using double-shot-in-single-illumination technique. , 2019, , .		0
17	Structured light system calibration with unidirectional fringe patterns. Optics and Lasers in Engineering, 2018, 106, 86-93.	3.8	24
18	High-dynamic-range 3D shape measurement utilizing the transitioning state of digital micromirror device. Optics and Lasers in Engineering, 2018, 107, 176-181.	3.8	40