

Jing Han

List of Publications by Year in descending order

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papers

604
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567281

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all docs

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docs citations

42
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging through unknown scattering media based on physics-informed learning. <i>Photonics Research</i> , 2021, 9, B210.	7.0	65
2	Dynamic 3-D measurement based on fringe-to-fringe transformation using deep learning. <i>Optics Express</i> , 2020, 28, 9405.	3.4	62
3	Learning-based method to reconstruct complex targets through scattering medium beyond the memory effect. <i>Optics Express</i> , 2020, 28, 2433.	3.4	56
4	Deep learning-based fringe modulation-enhancing method for accurate fringe projection profilometry. <i>Optics Express</i> , 2020, 28, 21692.	3.4	41
5	Quality monitoring in wire-arc additive manufacturing based on cooperative awareness of spectrum and vision. <i>Optik</i> , 2019, 181, 351-360.	2.9	31
6	Weld Reinforcement Analysis Based on Long-Term Prediction of Molten Pool Image in Additive Manufacturing. <i>IEEE Access</i> , 2020, 8, 69908-69918.	4.2	24
7	Additive seam tracking technology based on laser vision. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 197-211.	3.0	22
8	Efficient color imaging through unknown opaque scattering layers via physics-aware learning. <i>Optics Express</i> , 2021, 29, 40024.	3.4	20
9	Three-dimensional shape measurement technique for large-scale objects based on line structured light combined with industrial robot. <i>Optik</i> , 2020, 202, 163656.	2.9	19
10	Single-shot color object reconstruction through scattering medium based on neural network. <i>Optics and Lasers in Engineering</i> , 2021, 136, 106310.	3.8	19
11	Spatial pattern-shifting method for complete two-wavelength fringe projection profilometry. <i>Optics Letters</i> , 2020, 45, 3115.	3.3	19
12	Untrained deep learning-based fringe projection profilometry. <i>APL Photonics</i> , 2022, 7, .	5.7	19
13	Optimal imaging band selection mechanism of weld pool vision based on spectrum analysis. <i>Optics and Laser Technology</i> , 2019, 110, 145-151.	4.6	18
14	Residual Pyramid Learning for Single-Shot Semantic Segmentation. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 2990-3000.	8.0	16
15	Identification of butt welded joint penetration based on infrared thermal imaging. <i>Journal of Materials Research and Technology</i> , 2021, 12, 1486-1495.	5.8	16
16	Characterization of multi-biomarkers for bone health assessment based on photoacoustic physicochemical analysis method. <i>Photoacoustics</i> , 2022, 25, 100320.	7.8	12
17	Robust object detection based on local similar structure statistical matching. <i>Infrared Physics and Technology</i> , 2015, 68, 75-83.	2.9	11
18	Prior-free imaging unknown target through unknown scattering medium. <i>Optics Express</i> , 2022, 30, 17635.	3.4	11

#	ARTICLE	IF	CITATIONS
19	Online weld pool contour extraction and seam width prediction based on mixing spectral vision. <i>Optical Review</i> , 2019, 26, 65-76.	2.0	10
20	Real-Time Prediction of Welding Penetration Mode and Depth Based on Visual Characteristics of Weld Pool in GMAW Process. <i>IEEE Access</i> , 2020, 8, 81564-81573.	4.2	10
21	High-speed phase-shifting profilometry under fluorescent light. <i>Optics and Lasers in Engineering</i> , 2020, 128, 106033.	3.8	10
22	Visual Texture-Based 3-D Roughness Measurement for Additive Manufacturing Surfaces. <i>IEEE Access</i> , 2019, 7, 186646-186656.	4.2	9
23	Composite deep learning framework for absolute 3D shape measurement based on single fringe phase retrieval and speckle correlation. <i>JPhys Photonics</i> , 2020, 2, 045009.	4.6	9
24	Quantitative prediction of additive manufacturing deposited layer offset based on passive visual imaging and deep residual network. <i>Journal of Manufacturing Processes</i> , 2021, 72, 195-202.	5.9	8
25	Monitoring of back bead penetration based on temperature sensing and deep learning. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 188, 110410.	5.0	8
26	Accurate dynamic 3-D shape measurement based on the fringe pattern super-reconstruction technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 200, 111575.	5.0	8
27	Collaborative and Quantitative Prediction for Reinforcement and Penetration Depth of Weld Bead Based on Molten Pool Image and Deep Residual Network. <i>IEEE Access</i> , 2020, 8, 126138-126148.	4.2	7
28	Prediction of Weld Reinforcement Based on Vision Sensing in GMA Additive Manufacturing Process. <i>Metals</i> , 2020, 10, 1041.	2.3	6
29	Weld pool image acquisition and contour extraction based on arc spectrum and camera quantum efficiency. <i>Optik</i> , 2020, 202, 163719.	2.9	5
30	Wire composition and shielding gas flow monitoring based on image and spectrum multimodal network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 160, 107797.	5.0	5
31	Quantitative prediction for weld reinforcement in arc welding additive manufacturing based on molten pool image and deep residual network. <i>Additive Manufacturing</i> , 2021, 41, 101980.	3.0	5
32	Accurate fringe projection profilometry using instable projection light source. <i>Optics Communications</i> , 2022, 507, 127643.	2.1	5
33	Dual-band Welding Speed Monitoring Method Based on Deep Learning. , 2018, , .		3
34	Hump weld bead monitoring based on transient temperature field of molten pool. <i>Optik</i> , 2020, 208, 164031.	2.9	3
35	Non-destructive hand vein measurement with self-supervised binocular network. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108621.	5.0	3
36	Molten image fusion and enhancement based on image decomposition in frequency domain. <i>Signal, Image and Video Processing</i> , 2021, 15, 421-429.	2.7	3

#	ARTICLE	IF	CITATIONS
37	Multispectral target detection based on the spaceâ€‘spectrum structure constraint with the multi-scale hierarchical model. Signal Processing: Image Communication, 2018, 68, 58-67.	3.2	2
38	An Efficient CNN to Realize Speckle Correlation Imaging Based on Cloud-Edge for Cyber-Physical-Social-System. IEEE Access, 2020, 8, 54154-54163.	4.2	2
39	A neighboring structure reconstructed matching algorithm based on LARK features. Infrared Physics and Technology, 2015, 73, 8-18.	2.9	1
40	Imaging Complex Targets through a Scattering Medium Based on Adaptive Encoding. Photonics, 2022, 9, 467.	2.0	1
41	10.1063/5.0069386.1. , 2022, , .		0
42	10.1063/5.0069386.2. , 2022, , .		0