

Hong Chuong Tran

List of Publications by Year in descending order

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62
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1016
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of Surface Roughness and Density of Overhang Structures Fabricated by Laser Powder Bed Fusion. 3D Printing and Additive Manufacturing, 2023, 10, 732-748.	2.9	5
2	Mechanics Modeling of Residual Stress Considering Effect of Preheating in Laser Powder Bed Fusion. Journal of Manufacturing and Materials Processing, 2021, 5, 46.	2.2	8
3	Use of Digital Image Correlation Method to Measure Bio-Tissue Deformation. Coatings, 2021, 11, 924.	2.6	5
4	Prediction of Epitaxial Grain Growth in Single-Track Laser Melting of IN718 Using Integrated Finite Element and Cellular Automaton Approach. Materials, 2021, 14, 5202.	2.9	14
5	3D Multi-Track and Multi-Layer Epitaxy Grain Growth Simulations of Selective Laser Melting. Materials, 2021, 14, 7346.	2.9	11
6	Analytical Modeling of Residual Stress in Laser Powder Bed Fusion Considering Part's Boundary Condition. Crystals, 2020, 10, 337.	2.2	21
7	Multi-objective optimization framework for five-pass wire-drawing process. International Journal of Advanced Manufacturing Technology, 2020, 107, 3049-3063.	3.0	4
8	Analytical mechanics modeling of residual stress in laser powder bed considering flow hardening and softening. International Journal of Advanced Manufacturing Technology, 2020, 107, 4159-4172.	3.0	11
9	Multi-scale modeling of selective electron beam melting of Ti6Al4V titanium alloy. International Journal of Advanced Manufacturing Technology, 2019, 105, 545-563.	3.0	9
10	Systematic modeling approach for analyzing the powder flow and powder energy absorptivity in direct energy deposition system. International Journal of Advanced Manufacturing Technology, 2019, 105, 1765-1776.	3.0	5
11	Optimized hatch space selection in double-scanning track selective laser melting process. International Journal of Advanced Manufacturing Technology, 2019, 105, 2989-3006.	3.0	39
12	Emissivity calibration method for pyrometer measurement of melting pool temperature in selective laser melting of stainless steel 316L. International Journal of Advanced Manufacturing Technology, 2019, 105, 637-649.	3.0	14
13	An Intelligent Metrology Architecture With AVM for Metal Additive Manufacturing. IEEE Robotics and Automation Letters, 2019, 4, 2886-2893.	5.1	16
14	An Approach to Measure Tilt Motion, Straightness and Position of Precision Linear Stage with a 3D Sinusoidal-Groove Linear Reflective Grating and Triangular Wave-Based Subdivision Method. Sensors, 2019, 19, 2816.	3.8	3
15	Systematic approach for determining optimal processing parameters to produce parts with high density in selective laser melting process. International Journal of Advanced Manufacturing Technology, 2019, 105, 4443-4460.	3.0	47
16	Full-Field Stokes-Mueller Matrix Imaging Polarimetry System Based on Electro-Optical Modulators. IEEE Photonics Journal, 2018, , 1-1.	2.0	3
17	Scanned Laser Pico Projection and Stokes-Mueller Matrix Imaging Polarimetry for Detecting Cancer Cells With Different Cytoskeletal Organizations and Metastatic Potencies. IEEE Photonics Journal, 2018, 10, 1-12.	2.0	13
18	Noninvasive measurement of glucose concentration on human fingertip by optical coherence tomography. Journal of Biomedical Optics, 2018, 23, 1.	2.6	27

#	ARTICLE	IF	CITATIONS
19	Stokes's Mueller matrix polarimetry technique for circular dichroism/birefringence sensing with scattering effects. <i>Journal of Biomedical Optics</i> , 2017, 22, 047002.	2.6	8
20	Analysis of Scattering and Absorption Characteristics of Metal Powder Layer for Selective Laser Sintering. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 1807-1817.	5.8	38
21	Analysis of optically anisotropic properties of biological tissues under stretching based on differential Mueller matrix formalism. <i>Journal of Biomedical Optics</i> , 2017, 22, 035006.	2.6	13
22	Development of chitosan/ β -glycerophosphate/glycerol hydrogel as a thermosensitive coupling agent. <i>Carbohydrate Polymers</i> , 2016, 147, 409-414.	10.2	35
23	CdSe Quantum Dots Embedded in Matrices: Characterization and Application for Low-Pressure and Temperature Sensors. <i>IEEE Sensors Journal</i> , 2016, 16, 2404-2410.	4.7	7
24	Optical detection of metastatic cancer cells using a scanned laser pico-projection system. <i>Laser Physics Letters</i> , 2015, 12, 035602.	1.4	4
25	OS1-4 Analysis of optically anisotropic properties in stretching biological tissue based on Mueller-Stokes method by using full-field polarimetry(Advanced optical method 2, OS1 Advances in) Tj ETQq1 1 0.784314 rgBT /Overl Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015-14, 9	0.0	0
26	Extracting the Physical Optical Parameters of TNLC Cell Using Effective Parameters and Stokes Polarimetry Method. <i>Journal of Display Technology</i> , 2014, 10, 478-483.	1.2	0
27	Optimized Double-Layered Grating Structures for Chem/Biosensing in Midinfrared Range. <i>IEEE Sensors Journal</i> , 2014, 14, 2938-2946.	4.7	7
28	Phase-based method in heterodyne-modulated ellipsometer. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 537-542.	2.2	5
29	Polarization Scanning Ellipsometry Method for Measuring Effective Ellipsometric Parameters of Isotropic and Anisotropic Thin Films. <i>Journal of Lightwave Technology</i> , 2013, 31, 2361-2369.	4.6	10
30	Tailoring the Optical Transmission Spectra of Double-Layered Compound Metallic Gratings. <i>IEEE Photonics Journal</i> , 2013, 5, 2700108-2700108.	2.0	13
31	Extraction of anisotropic parameters of turbid media using hybrid model comprising differential- and decomposition-based Mueller matrices. <i>Optics Express</i> , 2013, 21, 16831.	3.4	38
32	An Approach for Measuring the Ellipsometric Parameters of Isotropic and Anisotropic Thin Films Using the Stokes Parameter Method. <i>Journal of Lightwave Technology</i> , 2012, 30, 2299-2306.	4.6	8
33	Relative two-dimensional nanoparticle concentration measurement based on scanned laser pico-projection. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 281-287.	7.8	14
34	Application of Fiber Bragg Grating Level Sensor and Fabry-Pérot Pressure Sensor to Simultaneous Measurement of Liquid Level and Specific Gravity. <i>IEEE Sensors Journal</i> , 2012, 12, 827-831.	4.7	87
35	Demonstration of a ROADM Using Cyclic AWGs. <i>Journal of Lightwave Technology</i> , 2011, 29, 2780-2784.	4.6	11
36	Ultrahigh sensitivity polarimetric strain sensor based upon D-shaped optical fiber and surface plasmon resonance technology. <i>Optics Letters</i> , 2011, 36, 2489.	3.3	43

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37	Review on recent developments of fluorescent oxygen and carbon dioxide optical fiber sensors. <i>Photonic Sensors</i> , 2011, 1, 234-250.	5.0	97
38	Characterization on five effective parameters of anisotropic optical material using Stokes parameters—Demonstration by a fiber-type polarimeter. <i>Optics Express</i> , 2010, 18, 9133.	3.4	27
39	A Hybrid Approach for Measuring the Parameters of Twisted-Nematic Liquid Crystal Cells Utilizing the Stokes Parameter Method and a Genetic Algorithm. <i>Journal of Lightwave Technology</i> , 2009, 27, 4136-4144.	4.6	9
40	A 2-D Heterodyne Polarimeter for the Determination of Parameters in Twisted Nematic Liquid Crystal Cells. <i>Journal of Lightwave Technology</i> , 2009, 27, 5500-5507.	4.6	3
41	Measurement of Multiple Optical Parameters of Birefringent Sample Using Polarization-Sensitive Optical Coherence Tomography. <i>Journal of Lightwave Technology</i> , 2009, 27, 483-493.	4.6	4
42	A Plastic Optical Fiber Sensor for the Dual Sensing of Temperature and Oxygen. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 63-65.	2.5	49
43	A Novel Heterodyne Polarimeter for the Multiple-Parameter Measurements of Twisted Nematic Liquid Crystal Cell Using a Genetic Algorithm Approach. <i>Journal of Lightwave Technology</i> , 2007, 25, 946-951.	4.6	26
44	OS18-1-4 Arbitrary strain distribution sensing using two FBGs and a genetic algorithm with considering the attenuation factors. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2007, 2007.6, OS18-1-4--OS18-1-4.	0.0	0
45	Reconstruction of chirped fiber Bragg grating parameters and phase spectrum using two thermally modulated intensity spectra and a genetic algorithm. <i>IEEE Photonics Technology Letters</i> , 2006, 18, 346-348.	2.5	2
46	The synthesis of multiple parameters of arbitrary FBGs via a genetic algorithm and two thermally modulated intensity spectra. <i>Journal of Lightwave Technology</i> , 2005, 23, 2158-2168.	4.6	22
47	An investigation of bonding-layer characteristics of substrate-bonded fiber Bragg grating. <i>Journal of Lightwave Technology</i> , 2005, 23, 3907-3915.	4.6	37
48	Simultaneous absolute measurements of principal angle and phase retardation with a new common-path heterodyne interferometer. <i>Applied Optics</i> , 2004, 43, 2013.	2.1	39
49	Optical coherence tomography system with no high-precision scanning stage and stage controller. <i>Applied Optics</i> , 2004, 43, 4142.	2.1	2
50	Polariscope for simultaneous measurement of the principal axis and the phase retardation by use of two phase-locked extractions. <i>Applied Optics</i> , 2004, 43, 6248.	2.1	25
51	Compensating Fiber Gratings for Source Flatness to Reduce Multiple-Access Interferences in Optical CDMA Network Coder/Decoders. <i>Journal of Lightwave Technology</i> , 2004, 22, 739-745.	4.6	19
52	Packaging a fiber bragg grating with metal coating for an athermal design. <i>Journal of Lightwave Technology</i> , 2003, 21, 1377-1383.	4.6	26
53	Packaging a fiber Bragg grating without preloading in a simple athermal bimaterial device. <i>IEEE Transactions on Advanced Packaging</i> , 2002, 25, 50-53.	1.6	20
54	Integrated Taguchi method and neural network analysis of physical profiling in the wirebonding process. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2002, 25, 270-277.	1.3	18

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55	Fluid velocity measurements in a microchannel performed with two new optical heterodyne microscopes. <i>Applied Optics</i> , 2002, 41, 6666.	2.1	9
56	Topology and shape optimizations of substrates for chirp fiber Bragg grating spectrum tuning. <i>Journal of Lightwave Technology</i> , 2002, 20, 1182-1187.	4.6	10
57	New synthetic-heterodyne demodulator for an optical fiber interferometer. <i>IEEE Journal of Quantum Electronics</i> , 2001, 37, 658-663.	1.9	36
58	Design in triangle-profiles and T-profiles of a wirebond using a linkage-spring model. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2001, 24, 457-467.	1.3	18
59	In-fiber Bragg grating sensors using interferometric interrogations for passive quadrature signal processing. <i>IEEE Photonics Technology Letters</i> , 1998, 10, 1003-1005.	2.5	33
60	A novel 4Å—4 fiber-optic switch based on double-sided mirrors for reconfigurable OADM design. , 0, , .		0
61	A novel fiber torsion sensor using a high-birefringence fiber Bragg grating for demodulation. , 0, , .		0
62	Multi-functional full-field common path heterodyne interferometer for linear birefringence material measurements. , 0, , .		0