

Kye-Si Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,104
citations

471371

17
h-index

414303

32
g-index

62
all docs

62
docs citations

62
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy consumption reduction technology in manufacturing – A selective review of policies, standards, and research. <i>International Journal of Precision Engineering and Manufacturing</i> , 2009, 10, 151-173.	1.1	209
2	A waveform design method for high-speed inkjet printing based on self-sensing measurement. <i>Sensors and Actuators A: Physical</i> , 2007, 140, 75-83.	2.0	100
3	A fully roll-to-roll gravure-printed carbon nanotube-based active matrix for multi-touch sensors. <i>Scientific Reports</i> , 2015, 5, 17707.	1.6	96
4	Waveform Design Methods for Piezo Inkjet Dispensers Based on Measured Meniscus Motion. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 1118-1125.	1.7	91
5	Experimental analysis of waveform effects on satellite and ligament behavior via <i>in situ</i> measurement of the drop-on-demand drop formation curve and the instantaneous jetting speed curve. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 115005.	1.5	64
6	Review of digital printing technologies for electronic materials. <i>Flexible and Printed Electronics</i> , 0, , .	1.5	46
7	Frequency selection method for FRF-based model updating. <i>Journal of Sound and Vibration</i> , 2004, 278, 285-306.	2.1	44
8	Speed measurement of ink droplet by using edge detection techniques. <i>Measurement: Journal of the International Measurement Confederation</i> , 2009, 42, 44-50.	2.5	41
9	Robust finite element model updating using Taguchi method. <i>Journal of Sound and Vibration</i> , 2005, 280, 77-99.	2.1	40
10	Printing Multi-Material Organic Haptic Actuators. <i>Advanced Materials</i> , 2021, 33, e2002541.	11.1	35
11	A high speed electrohydrodynamic (EHD) jet printing method for line printing. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 095003.	1.5	32
12	Methods for detecting air bubble in piezo inkjet dispensers. <i>Sensors and Actuators A: Physical</i> , 2009, 153, 50-56.	2.0	28
13	Improving electroactive polymer actuator by tuning ionic liquid concentration. <i>Organic Electronics</i> , 2014, 15, 294-298.	1.4	28
14	Low-Cost Fabrication Method for Thin, Flexible, and Transparent Touch Screen Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000441.	3.0	26
15	An inkjet vision measurement technique for high-frequency jetting. <i>Review of Scientific Instruments</i> , 2014, 85, 065101.	0.6	25
16	Investigation of pulse voltage shape effects on electrohydrodynamic jets using a vision measurement technique. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 065018.	1.5	24
17	Green laser sintering of copper oxide (CuO) nano particle (NP) film to form Cu conductive lines. <i>AIP Advances</i> , 2018, 8, .	0.6	24
18	High-Efficiency Electrospray Deposition Method for Nonconductive Substrates: Applications of Superhydrophobic Coatings. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18227-18236.	4.0	19

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19	Low-cost and high speed monitoring system for a multi-nozzle piezo inkjet head. <i>Sensors and Actuators A: Physical</i> , 2012, 180, 154-165.	2.0	18
20	Inkjet jet failures and their detection using piezo self-sensing. <i>Sensors and Actuators A: Physical</i> , 2013, 201, 335-341.	2.0	16
21	Measurement of inkjet first-drop behavior using a high-speed camera. <i>Review of Scientific Instruments</i> , 2016, 87, 035101.	0.6	13
22	Ink-jetting and rheological behavior of a silica particle suspension. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 120-126.	2.9	12
23	RANDOM EXCITATION FOR MODAL TESTING OF ROTATING MACHINERY: USE OF MODULATION TECHNIQUE. <i>Journal of Sound and Vibration</i> , 2000, 234, 297-309.	2.1	10
24	Improved Continuous Inkjet for Selective Area Coating Using High-Viscosity Insulating Inks. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	9
25	A Vector Printing Method for High-Speed Electrohydrodynamic (EHD) Jet Printing Based on Encoder Position Sensors. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 351.	1.3	8
26	A Novel Strategy for Creating an Antibacterial Surface Using a Highly Efficient Electro-spray-Based Method for Silica Deposition. <i>International Journal of Molecular Sciences</i> , 2022, 23, 513.	1.8	8
27	How to manipulate droplet jetting from needle type jet dispensers. <i>Scientific Reports</i> , 2019, 9, 19669.	1.6	7
28	Robust Damage Location in Structures Using Taguchi Method. <i>Journal of Structural Engineering</i> , 2005, 131, 629-642.	1.7	6
29	High-resolution Patterning Using Two Modes of Electrohydrodynamic Jet: Drop on Demand and Near-field Electrospinning. <i>Journal of Visualized Experiments</i> , 2018, . .	0.2	5
30	Three-dimensional surface printing method for interconnecting electrodes on opposite sides of substrates. <i>Scientific Reports</i> , 2020, 10, 18645.	1.6	5
31	Fabrication of electrochromic devices by laser patterning of spin-sprayed transparent conductive Ga:ZnO films. <i>Ceramics International</i> , 2021, 47, 6470-6478.	2.3	4
32	Development of Inkjet Printing System for Printed Electronics. <i>Transactions of the Korean Society of Mechanical Engineers, A</i> , 2010, 34, 1537-1541.	0.1	2
33	Visualization of Electro-hydrodynamic Ink Jetting using CCD Camera. <i>Journal of the Korean Society for Precision Engineering</i> , 2012, 29, 295-301.	0.1	2
34	OCR (Optical Character Recognition). , 2014, , 177-190.		1
35	Development of Measurement System for Contact Angle and Evaporation Characteristics of a Micro-droplet on a Substrate. <i>Journal of the Korean Society for Precision Engineering</i> , 2013, 30, 414-420.	0.1	1
36	Analysis for Realization of Vertical Wall in Holes by Applying Alternate High Pressure in the Punchless Piercing Process. <i>Journal of the Korea Academia-Industrial Cooperation Society</i> , 2009, 10, 929-934.	0.0	1

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37	Optimization Analysis for Realization of Vertical Wall in the Punchless Piercing Process. Journal of the Korea Academia-Industrial Cooperation Society, 2010, 11, 7-12.	0.0	1
38	Binary Particle Classification. , 2014, , 191-208.		0
39	LabVIEW Machine Vision Applications. , 2014, , 263-270.		0
40	Basics of Machine Vision. , 2014, , 1-16.		0
41	Image Acquisition with LabVIEW. , 2014, , 17-32.		0
42	Pattern Matching. , 2014, , 89-104.		0
43	Color Pattern Matching. , 2014, , 105-116.		0
44	Dimension Measurement. , 2014, , 117-134.		0
45	Geometric Matching. , 2014, , 149-164.		0
46	Binary Shape Matching. , 2014, , 165-176.		0
47	Contour Analysis. , 2014, , 209-226.		0
48	Image Calibration and Correction. , 2014, , 227-240.		0
49	AVI File Write and Read. , 2014, , 249-254.		0
50	Tracking. , 2014, , 255-262.		0
51	Student Projects. , 2014, , 271-274.		0
52	Dimension Measurement Using Coordinate System. , 2014, , 135-148.		0
53	Saving and Reading Images. , 2014, , 241-248.		0
54	Particle Analysis. , 2014, , 33-74.		0

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55	Edge Detection. , 2014, , 75-88.		0
56	Development of Methods for Detecting Inkjet Malfunction. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 1529-1535.	0.1	0
57	Electrohydrodynamic Ink Jetting Monitoring based on Current Measurement. Journal of the Korean Society for Precision Engineering, 2012, 29, 449-454.	0.1	0
58	10.1063/1.4879824.1. , 2014, , .		0
59	Real-Time Jet Failure Detection of Inkjet Heads with 1024 Ejectors. Journal of Imaging Science and Technology, 2017, , .	0.3	0