

Sang-Heon Lee

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

1,458
citations

361045

20
h-index

360668

35
g-index

82
all docs

82
docs citations

82
times ranked

1547
citing authors

#	ARTICLE	IF	CITATIONS
1	Durable cement/cellulose nanofiber composites prepared by a facile approach. Cement and Concrete Composites, 2022, 125, 104321.	4.6	14
2	Rancidity and moisture estimation in shelled almond kernels using NIR hyperspectral imaging and chemometric analysis. Journal of Food Engineering, 2022, 318, 110889.	2.7	22
3	Application of SWIR hyperspectral imaging coupled with chemometrics for rapid and non-destructive prediction of Aflatoxin B1 in single kernel almonds. LWT - Food Science and Technology, 2022, 155, 112954.	2.5	22
4	NEAR: Named entity and attribute recognition of clinical concepts. Journal of Biomedical Informatics, 2022, 130, 104092.	2.5	6
5	Multispectral camera system design for replacement of hyperspectral cameras for detection of aflatoxin $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle$ Computers and Electronics in Agriculture, 2022, 198, 107078.	3.7	5
6	Mucociliary Transit Assessment Using Automatic Tracking in Phase Contrast X-Ray Images of Live Mouse Nasal Airways. Journal of Medical and Biological Engineering, 2022, 42, 545-554.	1.0	1
7	Recycling of solar PV panels- product stewardship and regulatory approaches. Energy Policy, 2021, 149, 112062.	4.2	59
8	Cement nanocomposites containing montmorillonite nanosheets modified with surfactants of various chain lengths. Cement and Concrete Composites, 2021, 116, 103894.	4.6	18
9	Optimizing a Reverse Supply Chain Network for Electronic Waste under Risk and Uncertain Factors. Applied Sciences (Switzerland), 2021, 11, 1946.	1.3	2
10	The quest for better clinical word vectors: Ontology based and lexical vector augmentation versus clinical contextual embeddings. Computers in Biology and Medicine, 2021, 134, 104433.	3.9	9
11	Research advancements in optical imaging and spectroscopic techniques for nondestructive detection of mold infection and mycotoxins in cereal grains and nuts. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 4612-4651.	5.9	21
12	A new approach for the automatic measurement of the angle of repose of granular materials with maximal least square using digital image processing. Computers and Electronics in Agriculture, 2020, 172, 105356.	3.7	19
13	Development of a global batch clustering with gradient descent and initial parameters in colour image classification. IET Image Processing, 2019, 13, 161-174.	1.4	10
14	A comprehensive reverse supply chain model using an interactive fuzzy approach " A case study on the Vietnamese electronics industry. Applied Mathematical Modelling, 2019, 76, 87-108.	2.2	26
15	Multiple particle tracking in time-lapse synchrotron X-ray images using discriminative appearance and neighbouring topology learning. Pattern Recognition, 2019, 93, 485-497.	5.1	6
16	Optimizing a Reverse Supply Chain Model Using Fuzzy Mathematical Programming. , 2019, , .		1
17	E-Waste Reverse Supply Chain: A Review and Future Perspectives. Applied Sciences (Switzerland), 2019, 9, 5195.	1.3	33
18	A new method to analyse the soil movement during tillage operations using a novel digital image processing algorithm. Computers and Electronics in Agriculture, 2019, 156, 43-50.	3.7	7

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19	Cardiopulmonary signal acquisition from different regions using video imaging analysis. <i>Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization</i> , 2019, 7, 117-131.	1.3	9
20	An efficient motion magnification system for real-time applications. <i>Machine Vision and Applications</i> , 2018, 29, 585-600.	1.7	13
21	Registration of multispectral 3D points for plant inspection. <i>Precision Agriculture</i> , 2018, 19, 513-536.	3.1	16
22	Polymer composite hydrogels containing carbon nanomaterials—Morphology and mechanical and functional performance. <i>Progress in Polymer Science</i> , 2018, 77, 1-18.	11.8	101
23	Analyzing the mixing performance of a rotary spader using digital image processing and discrete element modelling (DEM). <i>Computers and Electronics in Agriculture</i> , 2018, 151, 1-10.	3.7	40
24	Automated detection of circular marker particles in synchrotron phase contrast X-ray images of live mouse nasal airways for mucociliary transit assessment. <i>Expert Systems With Applications</i> , 2017, 73, 57-68.	4.4	9
25	Monitoring of Cardiorespiratory Signal: Principles of Remote Measurements and Review of Methods. <i>IEEE Access</i> , 2017, 5, 15776-15790.	2.6	97
26	Quality index evaluation of videos based on fuzzy interface system. <i>IET Image Processing</i> , 2017, 11, 292-300.	1.4	25
27	A review of recent sensing technologies to detect invertebrates on crops. <i>Precision Agriculture</i> , 2017, 18, 635-666.	3.1	49
28	An evaluation of the contribution of ultraviolet in fused multispectral images for invertebrate detection on green leaves. <i>Precision Agriculture</i> , 2017, 18, 667-683.	3.1	7
29	A Multispectral 3-D Vision System for Invertebrate Detection on Crops. <i>IEEE Sensors Journal</i> , 2017, 17, 7502-7515.	2.4	24
30	Multiple mucociliary transit marker tracking in synchrotron X-ray images using the global nearest neighbor method. , 2017, 2017, 1824-1827.		1
31	Nonlinear Fusion of Multispectral Citrus Fruit Image Data with Information Contents. <i>Sensors</i> , 2017, 17, 142.	2.1	7
32	Real Time Apnoea Monitoring of Children Using the Microsoft Kinect Sensor: A Pilot Study. <i>Sensors</i> , 2017, 17, 286.	2.1	63
33	Transformation of a high-dimensional color space for material classification. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 523.	0.8	16
34	An integrated single-vendor multi-buyer production-inventory policy for food products incorporating quality degradation. <i>International Journal of Production Economics</i> , 2016, 182, 409-417.	5.1	32
35	Development of concurrent structural decentralised discrete event system using bisimulation concept. <i>Numerical Algebra, Control and Optimization</i> , 2016, 6, 305-317.	1.0	0
36	Circular particle detection using sectorized ring mask for synchrotron PCXI images. , 2015, 2015, 7889-92.		0

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37	Models and Optimisation Techniques on Long Distribution Network: A Review. <i>Procedia Manufacturing</i> , 2015, 2, 519-526.	1.9	3
38	An inventory model of production-inventory policy for food products considering quality loss in raw materials. , 2015, , .		4
39	Survey on applications of biased-random key genetic algorithms for solving optimization problems. , 2015, , .		10
40	Smart thin-film piezoelectric composite sensors based on high lead zirconate titanate content. <i>Structural Health Monitoring</i> , 2015, 14, 214-227.	4.3	16
41	Lean thinking for a maintenance process. <i>Production and Manufacturing Research</i> , 2015, 3, 236-272.	0.9	49
42	DEVELOPMENT OF A MACHINE VISION SYSTEM FOR WEED DETECTION DURING BOTH OF OFF-SEASON AND IN-SEASON IN BROADACRE NO-TILLAGE CROPPING LANDS. <i>American Journal of Agricultural and Biological Science</i> , 2014, 9, 174-193.	0.9	23
43	Superior piezoelectric composite films: taking advantage of carbon nanomaterials. <i>Nanotechnology</i> , 2014, 25, 045501.	1.3	13
44	Use of Bi-Camera and Fusion of Pairwise Real Time Citrus Fruit Image for Classification Application. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2014, , 54-81.	0.4	0
45	A feasibility study on the application of microwaves for online biofilm monitoring in the pipelines. <i>International Journal of Pressure Vessels and Piping</i> , 2013, 111-112, 99-105.	1.2	11
46	Comment on "Simultaneous determination of multiproduct batch and full truckload shipment schedules". <i>International Journal of Production Economics</i> , 2013, 144, 405-408.	5.1	2
47	Effect of surface modification of lead zirconate titanate particles on the properties of piezoelectric composite sensors. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
48	DEVELOPMENT OF A PROXIMAL MACHINE VISION SYSTEM FOR OFF-SEASON WEED MAPPING IN BROADACRE NO-TILLAGE FALLOWS. <i>Journal of Computer Science</i> , 2013, 9, 1803-1821.	0.5	13
49	A Review on Long Distribution Channel's Problems. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2013, , 60-64.	0.2	1
50	Model of an Integrated Procurement-Production System for Food Products Incorporating Quality Loss during Storage Time. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2013, , 17-21.	0.2	3
51	A New Design Approach for PSS Conceptual Development. <i>Advanced Materials Research</i> , 2012, 605-607, 104-109.	0.3	2
52	Integrated Production-Inventory Model in a Multi-Echelon Closed-Loop Supply Chain with Product Returns. <i>Advanced Materials Research</i> , 2012, 472-475, 3305-3311.	0.3	1
53	Bearing Retainer Designs and Retainer Instability Failures in Spacecraft Moving Mechanical Systems. <i>Tribology Transactions</i> , 2012, 55, 503-511.	1.1	42
54	A faster path planner using accelerated particle swarm optimization. <i>Artificial Life and Robotics</i> , 2012, 17, 233-240.	0.7	23

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55	Fusion on Citrus Image Data from Cold Mirror Acquisition System. International Journal of Computer Vision and Image Processing, 2012, 2, 11-24.	0.3	3
56	Autonomous mobile robot system concept based On PSO path planner and vSLAM. , 2011, , .		5
57	Development of a Centrifugal Oil Lubricator for Long-Term Lubrication of Spacecraft Attitude Control Systemsâ€”Design and Theory. Tribology Transactions, 2011, 54, 770-778.	1.1	5
58	Notice of Retraction: Life-cycle oriented design model for product-service system development. , 2011, , .		2
59	Study on citrus fruit image using fisher linear discriminant analysis. , 2011, , .		0
60	Review on fruit harvesting method for potential use of automatic fruit harvesting systems. Procedia Engineering, 2011, 23, 351-366.	1.2	135
61	Study on citrus fruit image data separability by segmentation methods. Procedia Engineering, 2011, 23, 408-416.	1.2	9
62	Development of a Centrifugal Oil Lubricator for Long-Term Lubrication of Spacecraft Attitude Control Systemsâ€”Experimental Evaluation. Tribology Transactions, 2011, 54, 832-839.	1.1	5
63	Use of a cold mirror system for citrus fruit identification. , 2011, , .		4
64	Case study: Optimizing order fulfillment in a global retail supply chain. International Journal of Production Economics, 2010, 127, 278-291.	5.1	30
65	Long-term lubrication of momentum wheels used in spacecraftsâ€”An overview. Tribology International, 2010, 43, 259-267.	3.0	53
66	Development of a Positive Lubrication System for Space Application. Tribology Online, 2010, 5, 40-45.	0.2	7
67	A new conceptual life cycle model for Result-Oriented Product-Service System development. , 2010, , .		15
68	A proposal on development of intelligent PSO based path planning and image based obstacle avoidance for real multi agents robotics system application. , 2010, , .		5
69	A systems approach to order fulfilment. International Journal of Operational Research, 2010, 9, 443.	0.1	3
70	Development of a Lubrication System for Momentum Wheels Used in Spacecrafts. Tribology Letters, 2008, 32, 99-107.	1.2	14
71	Optimizing order fulfillment using design for six sigma and fuzzy logic. International Journal of Management Science and Engineering Management, 2008, 3, 83-99.	2.6	17
72	A systems approach to order fulfilment using design for six sigma methodology. International Journal of Business and Systems Research, 2007, 1, 302.	0.2	17

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73	Implementing design for six sigma to supply chain design. , 2007, , .		3
74	Enhanced image-based coordinate measurement using a super-resolution method. Robotics and Computer-Integrated Manufacturing, 2005, 21, 579-588.	6.1	8
75	Improving Measurement Accuracy Using Image Super-Resolution. Key Engineering Materials, 2005, 295-296, 699-704.	0.4	0
76	Optimal design of neural networks for control in robotic arc welding. Robotics and Computer-Integrated Manufacturing, 2004, 20, 57-63.	6.1	58
77	Comparison of multiple regression and back propagation neural network approaches in modelling top bead height of multipass gas metal arc welds. Science and Technology of Welding and Joining, 2003, 8, 347-352.	1.5	13
78	Task rescheduling using a coordinator in a structural decentralised control of discrete-event systems. , 2002, , .		0
79	Structural Decentralised Control of Concurrent Discrete-event Systems. European Journal of Control, 2002, 8, 477-491.	1.6	35
80	A fuzzy–logic controller for an electrically driven steering system for a motorcar. Journal of Mechanical Science and Technology, 2002, 16, 1039-1052.	0.4	1
81	Decentralised control of concurrent discrete-event systems with non-prefix closed local specifications. , 0, , .		1
82	Lubrication of Attitude Control Systems. , 0, , .		3