

Esmaeil S Nadimi

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,193
citations

471371

17
h-index

395590

33
g-index

61
all docs

61
docs citations

61
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	Feature Point Tracking-Based Localization of Colon Capsule Endoscope. <i>Diagnostics</i> , 2021, 11, 193.	1.3	14
2	Video-based eye tracking performance for computer-assisted diagnostic support of diabetic neuropathy. <i>Artificial Intelligence in Medicine</i> , 2021, 114, 102050.	3.8	7
3	A locally-processed light-weight deep neural network for detecting colorectal polyps in wireless capsule endoscopes. <i>Journal of Real-Time Image Processing</i> , 2021, 18, 1183-1194.	2.2	3
4	Accelerating FPGA-Implementations for Mobile Medical Devices with high-level AI libraries: an Object Detection Model for Colorectal Polyp Images. , 2021, , .		2
5	Application of deep learning for autonomous detection and localization of colorectal polyps in wireless colon capsule endoscopy. <i>Computers and Electrical Engineering</i> , 2020, 81, 106531.	3.0	39
6	Facial erythema detects diabetic neuropathy using the fusion of machine learning, random matrix theory and self organized criticality. <i>Scientific Reports</i> , 2020, 10, 16785.	1.6	3
7	Estimating the Remaining Power Generation of Wind Turbines"An Exploratory Study for Main Bearing Failures. <i>Energies</i> , 2020, 13, 3406.	1.6	6
8	An Innovative Polyp Detection Method from Colon Capsule Endoscopy Images Based on A Novel Combination of RCNN and DRLSE. , 2020, , .		7
9	Non-invasive detection of diabetic complications via pattern analysis of temporal facial colour variations. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105619.	2.6	6
10	Assessment of Early Stopping through Statistical Health Prognostic Models for Empirical RUL Estimation in Wind Turbine Main Bearing Failure Monitoring. <i>Energies</i> , 2020, 13, 83.	1.6	8
11	Invisible Color Variations of Facial Erythema: A Novel Early Marker for Diabetic Complications?. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-7.	1.0	4
12	A Novel Probabilistic Long-Term Fault Prediction Framework Beyond SCADA Data - With Applications in Main Bearing Failure. <i>Journal of Physics: Conference Series</i> , 2019, 1222, 012043.	0.3	6
13	Addressing priority challenges in the detection and assessment of colorectal polyps from capsule endoscopy and colonoscopy in colorectal cancer screening using machine learning. <i>Acta Oncologica</i> , 2019, 58, S29-S36.	0.8	65
14	Capsule endoscopy vs. colonoscopy vs. histopathology in colorectal cancer screening: matched analyses of polyp size, morphology, and location estimates. <i>International Journal of Colorectal Disease</i> , 2018, 33, 1309-1312.	1.0	13
15	Bayesian state prediction of wind turbine bearing failure. <i>Renewable Energy</i> , 2018, 116, 164-172.	4.3	40
16	A testing procedure for wind turbine generators based on the power grid statistical model. <i>Renewable Energy</i> , 2018, 116, 136-144.	4.3	3
17	On the ratio of independent complex Gaussian random variables. <i>Multidimensional Systems and Signal Processing</i> , 2018, 29, 1553-1561.	1.7	9
18	Assessment of bowel cleansing quality in colon capsule endoscopy using machine learning: a pilot study. <i>Endoscopy International Open</i> , 2018, 06, E1044-E1050.	0.9	20

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19	Dimensionality reduction by bayesian eigenvalue-analysis for state prediction in large sensor systems. , 2018, , .		1
20	Machine learning-based colorectal cancer detection. , 2018, , .		2
21	A novel approach for exposure assessment in air pollution epidemiological studies using neuro-fuzzy inference systems: Comparison of exposure estimates and exposure-health associations. Environmental Research, 2017, 154, 196-203.	3.7	11
22	Dependency in State Transitions of Wind Turbinesâ€™ Inference on Model Residuals for State Abstractions. IEEE Transactions on Industrial Electronics, 2017, 64, 4836-4845.	5.2	4
23	Statistical modeling of the power grid from a wind farm standpoint. Electric Power Systems Research, 2017, 144, 150-156.	2.1	3
24	Texture classification from single uncalibrated images: Random matrix theory approach. , 2017, , .		1
25	Upper bound performance of semi-definite programming for localisation in inhomogeneous media. , 2017, , .		0
26	Thickness estimation of the subcutaneous fat using coaxial probe. Healthcare Technology Letters, 2016, 3, 85-91.	1.9	1
27	Statistical modeling of grid voltage fluctuations at wind turbine generator output by extreme value analysis. , 2016, , .		0
28	An adaptive localization technique for wireless capsule endoscopy. , 2016, , .		4
29	Wind turbine performance analysis based on multivariate higher order moments and Bayesian classifiers. Control Engineering Practice, 2016, 49, 204-211.	3.2	18
30	Adaptive intra-body channel modeling of attenuation coefficient using transmission line theory. , 2015, , .		2
31	Semi-definite programming-based localization algorithm in networks with inhomogeneous transmission medium. , 2015, , .		0
32	AN ADAPTIVE PATH LOSS CHANNEL MODEL FOR WAVE PROPAGATION IN MULTILAYER TRANSMISSION MEDIUM. Progress in Electromagnetics Research, 2015, 150, 1-12.	1.6	5
33	Power grid modelling from wind turbine perspective using principal component analysis. , 2015, , .		3
34	<i>In vivo</i> and <i>in situ</i> measurement and modelling of intraâ€‘body effective complex permittivity. Healthcare Technology Letters, 2015, 2, 135-140.	1.9	8
35	Bayesian-based localization of wireless capsule endoscope using received signal strength. , 2014, 2014, 5988-91.		4
36	Chronic exposure to odorous chemicals in residential areas and effects on human psychosocial health: Doseâ€‘response relationships. Science of the Total Environment, 2014, 490, 545-554.	3.9	20

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37	Bayesian-based localization in inhomogeneous transmission media. , 2013, , .		1
38	Residential exposure to outdoor air pollution from livestock operations and perceived annoyance among citizens. Environment International, 2012, 40, 44-50.	4.8	53
39	Bayesian Source Localization in Networks with Heterogeneous Transmission Medium. Navigation, Journal of the Institute of Navigation, 2012, 59, 163-175.	1.7	9
40	Perceived annoyance from environmental odors and association with atmospheric ammonia levels in non-urban residential communities: a cross-sectional study. Environmental Health, 2012, 11, 27.	1.7	36
41	Residential Exposure to Outdoor Air Pollution from Livestock Operations and Perceived Annoyance among Citizens. , 2012, , .		1
42	Monitoring and classifying animal behavior using ZigBee-based mobile ad hoc wireless sensor networks and artificial neural networks. Computers and Electronics in Agriculture, 2012, 82, 44-54.	3.7	114
43	Emissions of NH ₃ , CO ₂ and H ₂ S during swine wastewater management: Characterization of transient emissions after air-liquid interface disturbances. Atmospheric Environment, 2012, 54, 408-418.	1.9	36
44	Hammerstein-Wiener model for the prediction of temperature variations inside silage stack-bales using wireless sensor networks. Biosystems Engineering, 2012, 112, 236-247.	1.9	15
45	Semidefinite programming-based localization algorithm in networks with inhomogeneous media. , 2012, , .		2
46	Localization of mobile nodes based on inaccurate round-trip-time measurements using Bayesian inference. , 2011, , .		3
47	Energy generation for an ad hoc wireless sensor network-based monitoring system using animal head movement. Computers and Electronics in Agriculture, 2011, 75, 238-242.	3.7	16
48	The dynamics of ammonia release from animal wastewater as influenced by the release of dissolved carbon dioxide and gas bubbles. Atmospheric Environment, 2011, 45, 5110-5118.	1.9	14
49	The Effect on Wireless Sensor Communication When Deployed in Biomass. Sensors, 2011, 11, 8295-8308.	2.1	6
50	A comprehensive model to estimate the simultaneous release of acidic and basic gaseous pollutants from swine slurry under different scenarios. Chemistry and Ecology, 2010, 26, 425-444.	0.6	15
51	Development and field test of an on-line computerized instrumentation system for air velocity, temperature and differential pressure measurements in poultry houses. Spanish Journal of Agricultural Research, 2010, 8, 570.	0.3	6
52	Monitoring and classifying the behavior of a herd of sheep using ad hoc wireless sensor networks and artificial intelligence. , 2009, , .		3
53	Designing, modeling and controlling a novel autonomous laser weeding system. , 2009, , .		1
54	Observer Kalman filter identification and multiple-model adaptive estimation technique for classifying animal behaviour using wireless sensor networks. Computers and Electronics in Agriculture, 2009, 68, 9-17.	3.7	29

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55	Monitoring and modeling temperature variations inside silage stacks using novel wireless sensor networks. <i>Computers and Electronics in Agriculture</i> , 2009, 69, 149-157.	3.7	57
56	Site-specific weed control technologies. <i>Weed Research</i> , 2009, 49, 233-241.	0.8	168
57	Modelling surface pH and emissions of hydrogen sulphide, ammonia, acetic acid and carbon dioxide from a pig waste lagoon. <i>Biosystems Engineering</i> , 2009, 104, 510-521.	1.9	41
58	ZigBee-based wireless sensor networks for classifying the behaviour of a herd of animals using classification trees. <i>Biosystems Engineering</i> , 2008, 100, 167-176.	1.9	70
59	ZigBee-based wireless sensor networks for monitoring animal presence and pasture time in a strip of new grass. <i>Computers and Electronics in Agriculture</i> , 2008, 61, 79-87.	3.7	90
60	Dairy cow defecation and urination frequency and spatial distribution in relation to time-limited grazing. <i>Livestock Science</i> , 2008, 113, 62-73.	0.6	61
61	Model predictive controller combined with LQG controller and velocity feedback to control the Stewart platform. , 0, , .		4