Urko Zurutuza

List of Publications by Year
in descending order

51 papers	1,134 citations	840585 11 h-index	887953 17 g-index
52 all docs	52 docs citations	52 times ranked	950 citing authors

#	Article	IF	Citations
1	A practical and synchronized data acquisition network architecture for industrial robot predictive maintenance in manufacturing assembly lines. Robotics and Computer-Integrated Manufacturing, 2022, 74, 102287.	6.1	15
2	Deep learning models for predictive maintenance: a survey, comparison, challenges and prospects. Applied Intelligence, 2022, 52, 10934-10964.	3.3	48
3	Methodology for data-driven predictive maintenance models design, development and implementation on manufacturing guided by domain knowledge. International Journal of Computer Integrated Manufacturing, 2022, 35, 1310-1334.	2.9	7
4	Towards manufacturing robotics accuracy degradation assessment: A vision-based data-driven implementation. Robotics and Computer-Integrated Manufacturing, 2021, 67, 102029.	6.1	14
5	An Adaptive Industrial Human-Machine Interface to Optimise Operators Working Performance. , 2021, , .		1
6	Adaptable and Explainable Predictive Maintenance: Semi-Supervised Deep Learning for Anomaly Detection and Diagnosis in Press Machine Data. Applied Sciences (Switzerland), 2021, 11, 7376.	1.3	21
7	Deep packet inspection for intelligent intrusion detection in software-defined industrial networks: A proof of concept. Logic Journal of the IGPL, 2020, 28, 461-472.	1.3	10
8	A Methodology and Experimental Implementation for Industrial Robot Health Assessment via Torque Signature Analysis. Applied Sciences (Switzerland), 2020, 10, 7883.	1.3	9
9	Torque-based methodology and experimental implementation for industrial robot standby pose optimization. International Journal of Advanced Manufacturing Technology, 2020, 111, 2065-2072.	1.5	1
10	Data-Driven Industrial Human-Machine Interface Temporal Adaptation for Process Optimization. , 2020, , .		5
11	Interpreting Remaining Useful Life estimations combining Explainable Artificial Intelligence and domain knowledge in industrial machinery. , 2020, , .		18
12	Novel email spam detection method using sentiment analysis and personality recognition. Logic Journal of the IGPL, 2020, 28, 83-94.	1.3	9
13	SDRS: A new lossless dimensionality reduction for text corpora. Information Processing and Management, 2020, 57, 102249.	5.4	4
14	Who's There? Evaluating Data Source Integrity and Veracity in IIoT Using Multivariate Statistical Process Control. Advanced Sciences and Technologies for Security Applications, 2019, , 181-198.	0.4	0
15	A Big Data implementation of the MANTIS reference architecture for predictive maintenance. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 1361-1375.	0.7	3
16	Performance Degradation Monitoring and Quantification: A Wastewater Treatment Plant Case Study. , 2019, , 381-401.		0
17	Analyze, Sense, Preprocess, Predict, Implement, and Deploy (ASPPID): An incremental methodology based on data analytics for cost-efficiently monitoring the industry 4.0. Engineering Applications of Artificial Intelligence, 2019, 82, 30-43.	4.3	13
18	The MANTIS Book. , 2019, , 1-626.		6

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19	Software Defined Networking Opportunities for Intelligent Security Enhancement of Industrial Control Systems. Advances in Intelligent Systems and Computing, 2018, , 577-586.	0.5	3
20	Null is Not Always Empty: Monitoring the Null Space for Field-Level Anomaly Detection in Industrial IoT Environments. , 2018, , .		5
21	Dynamic DNS Request Monitoring of Android Applications via Networking. , 2018, , .		2
22	Implementation of a Reference Architecture for Cyber Physical Systems to support Condition Based Maintenance. , 2018, , .		2
23	Remote maintenance support with the aid of cyber-physical systems and cloud technology. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 784-794.	0.7	6
24	A Mood Analysis on Youtube Comments and a Method for Improved Social Spam Detection. Lecture Notes in Computer Science, 2018, , 514-525.	1.0	11
25	Novel Comment Spam Filtering Method on Youtube: Sentiment Analysis and Personality Recognition. Lecture Notes in Computer Science, 2018, , 228-240.	1.0	1
26	A study of the personalization of spam content using Facebook public information. Logic Journal of the IGPL, 2017, 25, 30-41.	1.3	6
27	A collaborative framework for android malware detection using DNS & dynamic analysis. , 2017, , .		4
28	Short Messages Spam Filtering Combining Personality Recognition and Sentiment Analysis. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2017, 25, 175-189.	0.9	11
29	Towards Large-Scale, Heterogeneous Anomaly Detection Systems in Industrial Networks: A Survey of Current Trends. Security and Communication Networks, 2017, 2017, 1-17.	1.0	13
30	Detection and Visualization of Android Malware Behavior. Journal of Electrical and Computer Engineering, 2016, 2016, 1-17.	0.6	25
31	Cyber Physical System based proactive Collaborative Maintenance. , 2016, , .		3
32	Optimising maintenance: What are the expectations for Cyber Physical Systems. , 2016, , .		20
33	Does Sentiment Analysis Help in Bayesian Spam Filtering?. Lecture Notes in Computer Science, 2016, , 79-90.	1.0	14
34	Short Messages Spam Filtering Using Sentiment Analysis. Lecture Notes in Computer Science, 2016, , 142-153.	1.0	2
35	On the Feasibility of Distinguishing Between Process Disturbances and Intrusions in Process Control Systems Using Multivariate Statistical Process Control. , 2016, , .		8
36	Short Messages Spam Filtering Using Personality Recognition. , 2016, , .		5

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37	Different approaches for the detection of SSH anomalous connections. Logic Journal of the IGPL, 2015, , jzv047.	1.3	1
38	An Analysis of the Effectiveness of Personalized Spam Using Online Social Network Public Information. Advances in Intelligent Systems and Computing, 2015, , 497-506.	0.5	2
39	A NEURAL-VISUALIZATION IDS FOR HONEYNET DATA. International Journal of Neural Systems, 2012, 22, 1250005.	3.2	30
40	A method to construct network traffic models for process control systems. , 2012, , .		7
41	Reputation-based Intrusion Detection System for wireless sensor networks. , 2012, , .		16
42	Crowdroid. , 2011, , .		678
43	Resource Footprint of a Manycast Protocol Implementation on Multiple Mobile Platforms. , 2011, , .		11
44	A Review of SCADA Anomaly Detection Systems. Advances in Intelligent and Soft Computing, 2011, , 357-366.	0.2	31
45	Visualization of Misuse-Based Intrusion Detection: Application to Honeynet Data. Advances in Intelligent and Soft Computing, 2011, , 561-570.	0.2	4
46	The Impact of the SHA-3 Casting Cryptography Competition on the Spanish IT Market. Advances in Intelligent and Soft Computing, 2010, , 191-199.	0.2	0
47	Understanding Honeypot Data by an Unsupervised Neural Visualization. Advances in Intelligent and Soft Computing, 2010, , 151-160.	0.2	2
48	Clustering of Windows Security Events by Means of Frequent Pattern Mining. Advances in Intelligent and Soft Computing, 2009, , 19-27.	0.2	0
49	Beacon Frame Spoofing Attack Detection in IEEE 802.11 Networks. , 2008, , .		19
50	A data mining approach for analysis of worm activity through automatic signature generation. , 2008, , .		5
51	Reducción de dimensionalidad sin pérdida en representaciones semánticas de texto. Colección Jornadas Y Congresos, 0, , .	0.0	0