Ioan Sacala

List of Publications by Year
in descending order

65 papers	361 citations	1040056 9 h-index	996975 15 g-index
66 all docs	66 docs citations	66 times ranked	245 citing authors

#	Article	IF	Citations
1	Bio-Cyber-Physical System for Management of Smart City's Short Term Parking. , 2021, , .		0
2	Fostering Cyber-Physical Social Systems through an Ontological Approach to Personality Classification Based on Social Media Posts. Sensors, 2021, 21, 6611.	3.8	4
3	PatientDataChain: A Blockchain-Based Approach to Integrate Personal Health Records. Sensors, 2020, 20, 6538.	3.8	39
4	An Hybrid Approach for Urban Traffic Prediction and Control in Smart Cities. Sensors, 2020, 20, 7209.	3.8	10
5	Future Enterprise as an Intelligent Cyber-Physical System. IFAC-PapersOnLine, 2020, 53, 10873-10878.	0.9	2
6	Bio-inspired Autonomous Enterprise Systems. IFAC-PapersOnLine, 2020, 53, 10879-10884.	0.9	2
7	Services Integration for Cyber Physical Systems. , 2019, , .		0
8	A Perceptive Interface for Intelligent Cyber Enterprises. Sensors, 2019, 19, 4422.	3.8	9
9	A Cyber-Physical Approach in Heterogeneous Communication Networks. , 2019, , .		0
10	Redundant GSM and Satellite Data Transmission Device with Application in Telemedicine. , 2019, , .		2
11	Neuro-inspired Framework for cognitive manufacturing control. IFAC-PapersOnLine, 2019, 52, 910-915.	0.9	12
12	A cyber-physical systems approach to cognitive enterprise. Periodicals of Engineering and Natural Sciences, 2019, 7, 337.	0.5	5
13	Cyber-Physical Systems Oriented Redundant Network Node. , 2019, , .		1
14	Multiscale Computing in Systems Medicine: a Brief Reflection. , 2018, , .		0
15	Towards Document Flow Discovery in e-Government Systems. , 2018, , .		3
16	Towards Document Flow Discovery in e-health Systems. , 2018, , .		2
17	Future Enterprise beyond the Concurrent Enterprising Systems. , 2018, , .		0
18	Automated process recognition architecture for cyber-physical systems. Enterprise Information Systems, 2018, 12, 1129-1148.	4.7	9

#	Article	IF	Citations
19	A Cyber Physical Systems Approach for Agricultural Enterprise and Sustainable Agriculture. , 2017, , .		8
20	A Cyber-Physical Systems Oriented Transaction Platform. , 2017, , .		0
21	Agricultural enterprise architecture based on cyber physical systems paradigm. , 2017, , .		1
22	Forest fire preventing system: Requirements and challenges. , 2017, , .		0
23	A Conceptual Framework for Modeling and Design of Cyber-Physical Systems. Studies in Informatics and Control, 2017, 26, .	1.2	27
24	Towards the development of interoperable sensing systems for the future enterprise. Journal of Intelligent Manufacturing, 2016, 27, 33-54.	7.3	25
25	Towards the development of the framework for inter sensing enterprise architecture. Journal of Intelligent Manufacturing, 2016, 27, 55-72.	7.3	35
26	Cyber Physical Systems Oriented Robot Development Platform. Procedia Computer Science, 2015, 65, 203-209.	2.0	2
27	Automated Process Mapping for Cyber Intelligent Enterprise. , 2015, , .		2
28	Versatile Intelligent Portable Robot Control Platform Based on Cyber Physical Systems Principles. Studies in Informatics and Control, 2015, 24, .	1.2	18
29	Modelling and Analysis of Process Execution based on Data Acquired from Sensors Networks. , 2015, , .		1
30	A cyber-physical systems approach to develop a generic enterprise architecture. , 2014, , .		3
31	Towards the Development of a Cyber-Physical Systems Oriented Enterprise Architecture. Applied Mechanics and Materials, 2014, 555, 816-821.	0.2	0
32	Enabling Interoperability Between Serious Game and Virtual Engineering Ecosystems. , 2014, , .		4
33	E-Services quality assessment framework for collaborative networks. Enterprise Information Systems, 2014, , 1-24.	4.7	11
34	Towards a Generic Enterprise Systems Architecture Based on Cyber-Physical Systems Principles. Lecture Notes in Computer Science, 2014, , 245-252.	1.3	5
35	Towards the development of a Cyber-Intelligent Enterprise System Architecture. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 827-832.	0.4	4
36	Software Design for Oil Industry Metrology Systems. Studies in Informatics and Control, 2014, 23, .	1.2	5

#	Article	IF	Citations
37	Towards the Development of the Future Internet Based Enterprise in the Context of Cyber-Physical Systems. , 2013, , .		22
38	Medical services modelling based on business process model framework. , 2013, , .		1
39	Enterprise architecture for e-Health system. , 2013, , .		2
40	Semantic Middleware Architecture. Applied Mechanics and Materials, 2013, 436, 488-496.	0.2	2
41	Quality Modeling Framework for Service Composition. An Indoor Air Quality Monitoring System Case Study. Applied Mechanics and Materials, 2013, 436, 480-487.	0.2	0
42	Quality Management in Sensing Enterprise: Requirements for quality driven manufacturing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1316-1321.	0.4	2
43	Inter-Enterprise Architecture and Internet of the Future. IFIP Advances in Information and Communication Technology, 2013, , 25-32.	0.7	8
44	Towards the Development of Internet of Things Oriented Robot to Object Interaction Framework. Advanced Materials Research, 2012, 463-464, 1321-1323.	0.3	0
45	Towards Integration of Knowledge Extraction from Process Interoperability in Future Internet Enterprise Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1458-1463.	0.4	11
46	Concurrent innovation-based eEnterprise. , 2012, , .		3
47	Dynamic Interoperability Model for Web Service Choreographies. , 2012, , 81-91.		6
48	Quality Driven Web Service Composition Modeling Framework. International Federation for Information Processing, 2012, , 87-95.	0.4	3
49	Integrating e-IMS Platform via Interoperability within Collaborative Enterprises. Studies in Computational Intelligence, 2012, , 129-142.	0.9	0
50	Concurrent Enterprising as a Knowledge reservoir to bridge the gap between engineering and science. , 2010, , .		0
51	The Future of Knowledge in Manufacturing Systems in the Future Era of Internet of Things. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 215-220.	0.4	5
52	Toward Digital Business EcoSystem Analysis. , 2010, , 607-638.		3
53	ARCHE3S: First Living Lab enabler in Romania aiming at cross domain synergy-based approach to sustain SMEs. , 2009, , .		0
54	Towards a new science foundation of collaborative & Concurrent Enterprising. , 2009, , .		0

#	Article	IF	Citations
55	KNOWLEDGE MANAGEMENT BASED SUPPLY CHAIN IN LEARNING ORGANIZATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 121-126.	0.4	3
56	Knowledge Management Based Supply Chain in Learning Organization. , 2009, , .		0
57	From industrial robotics towards intelligent robotic systems. , 2008, , .		13
58	Towards a Holistic Approach for Intelligent Manufacturing Systems Synthesis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 193-198.	0.4	2
59	CROSSDOMAIN â€œENVIRONMENT â€“ HEALTHâ€•INTEROPERABLE METASYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 229-234.	0.4	0
60	Distributed Task Allocation in Multi-Robot Systems Using Argumentation-Based Negotiation. Advanced Materials Research, 0, 463-464, 1238-1241.	0.3	1
61	A Holistic Vision of Medical Services and Information Support System Based on E-Healthcare Framework. Applied Mechanics and Materials, 0, 436, 497-504.	0.2	2
62	Generic Architecture for Process Mining in the Context of Cyber Physical Systems. Applied Mechanics and Materials, 0, 656, 569-577.	0.2	1
63	Avalanche Prediction Based on Snow Level Monitoring Using Wireless Sensor Networks. Applied Mechanics and Materials, 0, 656, 369-377.	0.2	2
64	Release Management Tool - A Software Application for Release and Deployment Management. Applied Mechanics and Materials, 0, 656, 524-533.	0.2	3
65	Towards the development of semantically enabled flexible process monitoring systems. International Journal of Computer Integrated Manufacturing, 0, , 1-13.	4.6	15