

Paolo Nesi

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

2,624
citations

257450

24
h-index

223800

46
g-index

126
all docs

126
docs citations

126
times ranked

2713
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi Clustering Recommendation System for Fashion Retail. Multimedia Tools and Applications, 2023, 82, 9989-10016.	3.9	12
2	Classification of users'™ transportation modalities from mobiles in real operating conditions. Multimedia Tools and Applications, 2022, 81, 115-140.	3.9	10
3	High level control of chemical plant by industry 4.0 solutions. Journal of Industrial Information Integration, 2022, 26, 100276.	6.4	18
4	IoT-Enabled Smart Cities: A Review of Concepts, Frameworks and Key Technologies. Applied Sciences (Switzerland), 2022, 12, 1607.	2.5	129
5	Predicting and Understanding Landslide Events With Explainable AI. IEEE Access, 2022, 10, 31175-31189.	4.2	22
6	Estimating CO2 Emissions from IoT Traffic Flow Sensors and Reconstruction. Sensors, 2022, 22, 3382.	3.8	10
7	Rendering 3D City for Smart City Digital Twin. , 2022, , .		2
8	A Photorealistic 3D City Modeling Framework for Smart City Digital Twin. , 2022, , .		5
9	Traffic flow reconstruction by solving indeterminacy on traffic distribution at junctions. Future Generation Computer Systems, 2021, 114, 649-660.	7.5	11
10	An IoE and Big Multimedia Data Approach for Urban Transport System Resilience Management in Smart Cities. Sensors, 2021, 21, 435.	3.8	29
11	Snap4City Platform to Speed Up Policies. Green Energy and Technology, 2021, , 103-114.	0.6	3
12	Computing 15MinCityIndexes on the Basis of Open Data and Services. Lecture Notes in Computer Science, 2021, , 565-579.	1.3	2
13	Fashion Retail Recommendation System by Multiple Clustering. , 2021, , .		1
14	Deep Learning for Short-Term Prediction of Available Bikes on Bike-Sharing Stations. IEEE Access, 2021, 9, 124337-124347.	4.2	12
15	Long Term Predictions of NO2 Average Values via Deep Learning. Lecture Notes in Computer Science, 2021, , 595-610.	1.3	2
16	A Deep Learning Approach for Short Term Prediction of Industrial Plant Working Status. , 2021, , .		1
17	Exploiting Satellite Data in the Context of Smart City Applications. , 2021, , .		1
18	Automating IoT Data Ingestion Enabling Visual Representation. Sensors, 2021, 21, 8429.	3.8	4

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19	A Functional Resonance Analysis Method Driven Resilience Quantification for Socio-Technical Systems. IEEE Systems Journal, 2020, 14, 1234-1244.	4.6	30
20	Smart City Dashboards: Design, Development, and Evaluation. , 2020, , .		9
21	High Density Real-Time Air Quality Derived Services from IoT Networks. Sensors, 2020, 20, 5435.	3.8	12
22	Real-Time Automatic Air Pollution Services from IOT Data Network. , 2020, , .		3
23	Anomaly Detection on IOT Data for Smart City. , 2020, , .		6
24	Smart City IoT Platform Respecting GDPR Privacy and Security Aspects. IEEE Access, 2020, 8, 23601-23623.	4.2	91
25	A Big Data Platform for Smart and Sustainable Cities: Environmental Monitoring Case Studies in Europe. Lecture Notes in Computer Science, 2020, , 393-406.	1.3	13
26	Industry 4.0 Synoptics Controlled by IoT Applications in Node-RED. , 2020, , .		6
27	Federation of Smart City Services via APIs. , 2020, , .		4
28	Sii-Mobility: An IoT/IoE Architecture to Enhance Smart City Mobility and Transportation Services. Sensors, 2019, 19, 1.	3.8	695
29	TRAF AIR: Understanding Traffic Flow to Improve Air Quality. , 2019, , .		20
30	Data Flow Management and Visual Analytic for Big Data Smart City/IOT. , 2019, , .		11
31	Privacy and Security Aspects on a Smart City IoT Platform. , 2019, , .		5
32	MicroServices Suite for Smart City Applications. Sensors, 2019, 19, 4798.	3.8	26
33	PAVAL: A location-aware virtual personal assistant for retrieving geolocated points of interest and location-based services. Engineering Applications of Artificial Intelligence, 2019, 77, 70-85.	8.1	14
34	Analyzing Public Transportation Offer wrt Mobility Demand. , 2019, , .		1
35	Quantify Resilience Enhancement of UTS through Exploiting Connected Community and Internet of Everything Emerging Technologies. ACM Transactions on Internet Technology, 2018, 18, 1-34.	4.4	25
36	Assessing the reTweet proneness of tweets: predictive models for retweeting. Multimedia Tools and Applications, 2018, 77, 26371-26396.	3.9	41

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37	An Integrated Smart City Platform. Lecture Notes in Computer Science, 2018, , 171-176.	1.3	9
38	Performance assessment of RDF graph databases for smart city services. Journal of Visual Languages and Computing, 2018, 45, 24-38.	1.8	28
39	Managing cloud via Smart Cloud Engine and Knowledge Base. Future Generation Computer Systems, 2018, 78, 142-154.	7.5	7
40	Protection and composition of crossmedia content in collaborative environments. Multimedia Tools and Applications, 2018, 77, 2083-2114.	3.9	3
41	Predicting TV programme audience by using twitter based metrics. Multimedia Tools and Applications, 2018, 77, 12203-12232.	3.9	19
42	Real-Time Traffic Estimation of Unmonitored Roads. , 2018, , .		8
43	Knowledge Modeling and Management for Mobility and Transport Applications. , 2018, , .		2
44	Snap4City: A Scalable IOT/IOE Platform for Developing Smart City Applications. , 2018, , .		27
45	Auditing and Assessment of Data Traffic Flows in an IoT Architecture. , 2018, , .		5
46	Predicting Available Parking Slots on Critical and Regular Services by Exploiting a Range of Open Data. IEEE Access, 2018, 6, 44059-44071.	4.2	82
47	WiP: Traffic Flow Reconstruction from Scattered Data. , 2018, , .		7
48	Smart City Governance Strategies to Better Move Towards a Smart Urbanism. Lecture Notes in Computer Science, 2018, , 639-653.	1.3	24
49	Smart City Architecture for Data Ingestion and Analytics: Processes and Solutions. , 2018, , .		24
50	Research Notes: Smart City Control Room Dashboards: Big Data Infrastructure, from data to decision support. Journal of Visual Languages and Sentient Systems, 2018, 4, 75-82.	1.5	10
51	Exploiting smart technologies to build smart resilient cities. , 2018, , 685-705.		8
52	Analysis and assessment of a knowledge based smart city architecture providing service APIs. Future Generation Computer Systems, 2017, 75, 14-29.	7.5	81
53	User Engagement Engine for Smart City Strategies. , 2017, , .		9
54	Wi-Fi based city usersâ€™ behaviour analysis for smart city. Journal of Visual Languages and Computing, 2017, 42, 31-45.	1.8	21

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55	Twitter vigilance: A multi-user platform for cross-domain Twitter data analytics, NLP and sentiment analysis. , 2017, , .		19
56	Cloud Knowledge Modeling and Management. , 2016, , 640-651.		9
57	RAISO: RAILway Infrastructures and Signaling Ontology for Configuration Management, Verification and Validation. , 2016, , .		1
58	Rights enforcement and licensing understanding for RDF stores aggregating open and private data sets. , 2016, , .		3
59	Functional resonance analysis method based-decision support tool for urban transport system resilience management. , 2016, , .		21
60	Geographical localization of web domains and organization addresses recognition by employing natural language processing, Pattern Matching and clustering. Engineering Applications of Artificial Intelligence, 2016, 51, 202-211.	8.1	24
61	ICARO Cloud Simulator exploiting knowledge base. Simulation Modelling Practice and Theory, 2016, 62, 1-13.	3.8	4
62	A Smart Decision Support System for Smart City. , 2015, , .		22
63	Smart Cloud Engine and Solution Based on Knowledge Base. Procedia Computer Science, 2015, 68, 3-16.	2.0	10
64	Challenges Emerging from Future Cloud Application Scenarios. Procedia Computer Science, 2015, 68, 227-237.	2.0	34
65	IPR Centered Institutional Service and Tools for Content and Metadata Management. International Journal of Software Engineering and Knowledge Engineering, 2015, 25, 1237-1270.	0.8	5
66	Benchmarking RDF Stores for Smart City Services. , 2015, , .		2
67	MyStoryPlayer: experiencing multiple audiovisual content for education and training. Multimedia Tools and Applications, 2015, 74, 8219-8259.	3.9	4
68	Graph databases methodology and tool supporting index/store versioning. Journal of Visual Languages and Computing, 2015, 31, 222-229.	1.8	11
69	A Knowledge Base Driven Solution for Smart Cloud Management. , 2015, , .		12
70	A hadoop based platform for natural language processing of web pages and documents. Journal of Visual Languages and Computing, 2015, 31, 130-138.	1.8	31
71	Modeling performing arts metadata and relationships in content service for institutions. Multimedia Systems, 2015, 21, 427-449.	4.7	12
72	A Distributed Framework for NLP-Based Keyword and Keyphrase Extraction From Web Pages and Documents. , 2015, , .		9

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73	Ge(o)Lo(cator): Geographic Information Extraction from Unstructured Text Data and Web Documents. , 2014, , .		11
74	Linked open graph: Browsing multiple SPARQL entry points to build your own LOD views. Journal of Visual Languages and Computing, 2014, 25, 703-716.	1.8	29
75	Model-based development of an automatic train operation component for communication based train control. , 2014, , .		3
76	Knowledge Base Construction Process for Smart-City Services. , 2014, , .		5
77	Km4City ontology building vs data harvesting and cleaning for smart-city services. Journal of Visual Languages and Computing, 2014, 25, 827-839.	1.8	121
78	Maintenance and emergency management with an integrated indoor/outdoor navigation support. Journal of Visual Languages and Computing, 2014, 25, 637-649.	1.8	6
79	Exploiting P2P scalability for grant authorization in digital rights management solutions. Multimedia Tools and Applications, 2014, 72, 1611-1637.	3.9	7
80	Optimization of information retrieval for cross media contents in a best practice network. International Journal of Multimedia Information Retrieval, 2014, 3, 147-159.	5.2	4
81	IPR management models for cultural heritage on ECLAP Best Practice Network. , 2013, , .		1
82	A Workflow Model and Architecture for Content and Metadata Management Based on Grid Computing. Lecture Notes in Computer Science, 2013, , 118-127.	1.3	1
83	A Linked Open Data Service for Performing Arts. Lecture Notes in Computer Science, 2013, , 13-25.	1.3	3
84	A New Generation Digital Content Service for Cultural Heritage Institutions. Lecture Notes in Computer Science, 2013, , 26-38.	1.3	2
85	Metadata Quality Assessment Tool for Open Access Cultural Heritage Institutional Repositories. Lecture Notes in Computer Science, 2013, , 90-103.	1.3	12
86	Tassonomy and Review of Big Data Solutions Navigation. , 2013, , 57-101.		11
87	Mobile Emergency, an Emergency Support System for Hospitals in Mobile Devices: Pilot Study. JMIR Research Protocols, 2013, 2, e19.	1.0	6
88	ASSISTED KNOWLEDGE BASE GENERATION, MANAGEMENT AND COMPETENCE RETRIEVAL. International Journal of Software Engineering and Knowledge Engineering, 2012, 22, 1007-1037.	0.8	7
89	Micro Grids for Scalable Media Computing and Intelligence in Distributed Scenarios. IEEE MultiMedia, 2012, 19, 69-79.	1.7	7
90	Mobile Medicine: semantic computing management for health care applications on desktop and mobile devices. Multimedia Tools and Applications, 2012, 58, 41-79.	3.9	12

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91	Models and Tools for Aggregating and Annotating Content on ECLAP. , 2011, , .		2
92	Automatic Transcription of Polyphonic Music Based on the Constant-Q Bispectral Analysis. IEEE Transactions on Audio Speech and Language Processing, 2011, 19, 1610-1630.	3.2	11
93	EXPLOITING INTELLIGENT CONTENT VIA AXMEDIS/MPEG-21 FOR MODELLING AND DISTRIBUTING NEWS. International Journal of Software Engineering and Knowledge Engineering, 2011, 21, 3-32.	0.8	7
94	Automatic Music Transcription: From Monophonic to Polyphonic. Springer Tracts in Advanced Robotics, 2011, , 27-46.	0.4	2
95	Personal Content Management on PDA for Health Care Applications. , 2009, , .		3
96	i-Maestro Framework and Interactive Multimedia Tools for Technology-Enhanced Learning and Teaching for Music. , 2008, , .		8
97	Intelligent Content Model Based on MPEG-21. , 2008, , .		1
98	Optical Music Recognition. , 2008, , 80-110.		6
99	Interactive Multimedia MUSICNETWORK. , 2008, , 1-11.		1
100	MPEG Symbolic Music Representation. , 2008, , 12-25.		2
101	Assessing Optical Music Recognition Tools. Computer Music Journal, 2007, 31, 68-93.	0.1	22
102	P2P Architecture for Automated B2B Cross Media Content Distribution. , 2007, , .		6
103	Definition of Mechanisms that Enable the Exploitation of Governed Content. , 2006, , .		2
104	A Protection Processor for MPEG-21 Players. , 2006, , .		8
105	AXMEDIS architectural solution for interoperable content and DRM on multichannel distribution. , 2006, , 697-704.		0
106	Automatic Music Transcription Supporting Different Instruments. Journal of New Music Research, 2005, 34, 139-149.	0.8	4
107	A distributed industrial application for quality control of clinched boards based on computer vision. , 2002, , .		1
108	<title>Evolution of music score watermarking algorithm</title>. , 2002, 4675, 181.		2

#	ARTICLE	IF	CITATIONS
109	An interval logic for real-time system specification. IEEE Transactions on Software Engineering, 2001, 27, 208-227.	5.6	33
110	Estimation and prediction metrics for adaptive maintenance effort of object-oriented systems. IEEE Transactions on Software Engineering, 2001, 27, 1062-1084.	5.6	97
111	A method and tool for assessing object-oriented projects and metrics management. Journal of Systems and Software, 2000, 53, 111-136.	4.5	35
112	Optical flow computation using extended constraints. IEEE Transactions on Image Processing, 1996, 5, 720-739.	9.8	37
113	Tools for specifying real-time systems. Real-Time Systems, 1995, 8, 117-172.	1.3	47
114	A Robust Algorithm for Optical Flow Estimation. Computer Vision and Image Understanding, 1995, 62, 59-68.	4.7	31
115	Objective quality, 1995. Lecture Notes in Computer Science, 1995, , 1-9.	1.3	1
116	Variational approach to optical flow estimation managing discontinuities. Image and Vision Computing, 1993, 11, 419-439.	4.5	68
117	A three-dimensional iconic environment for image database querying. IEEE Transactions on Software Engineering, 1993, 19, 997-1011.	5.6	38
118	An Off-Line Optical Music Sheet Recognition. , 0, , 40-77.		1