

# Paolo Nesi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7681122/publications.pdf>

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	Sii-Mobility: An IoT/loE Architecture to Enhance Smart City Mobility and Transportation Services. Sensors, 2019, 19, 1.	3.8	695
2	IoT-Enabled Smart Cities: A Review of Concepts, Frameworks and Key Technologies. Applied Sciences (Switzerland), 2022, 12, 1607.	2.5	129
3	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
4	Estimation and prediction metrics for adaptive maintenance effort of object-oriented systems. IEEE Transactions on Software Engineering, 2001, 27, 1062-1084.	5.6	97
5	Smart City IoT Platform Respecting GDPR Privacy and Security Aspects. IEEE Access, 2020, 8, 23601-23623.	4.2	91
6	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
7	Analysis and assessment of a knowledge based smart city architecture providing service APIs. Future Generation Computer Systems, 2017, 75, 14-29.	7.5	81
8	Variational approach to optical flow estimation managing discontinuities. Image and Vision Computing, 1993, 11, 419-439.	4.5	68
9	Tools for specifying real-time systems. Real-Time Systems, 1995, 8, 117-172.	1.3	47
10	Assessing the reTweet proneness of tweets: predictive models for retweeting. Multimedia Tools and Applications, 2018, 77, 26371-26396.	3.9	41
11	A three-dimensional iconic environment for image database querying. IEEE Transactions on Software Engineering, 1993, 19, 997-1011.	5.6	38
12	Optical flow computation using extended constraints. IEEE Transactions on Image Processing, 1996, 5, 720-739.	9.8	37
13	A method and tool for assessing object-oriented projects and metrics management. Journal of Systems and Software, 2000, 53, 111-136.	4.5	35
14	Challenges Emerging from Future Cloud Application Scenarios. Procedia Computer Science, 2015, 68, 227-237.	2.0	34
15	An interval logic for real-time system specification. IEEE Transactions on Software Engineering, 2001, 27, 208-227.	5.6	33
16	A Robust Algorithm for Optical Flow Estimation. Computer Vision and Image Understanding, 1995, 62, 59-68.	4.7	31
17	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
18	A Functional Resonance Analysis Method Driven Resilience Quantification for Socio-Technical Systems. IEEE Systems Journal, 2020, 14, 1234-1244.	4.6	30

#	ARTICLE	IF	CITATIONS
19	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
20	An IoE and Big Multimedia Data Approach for Urban Transport System Resilience Management in Smart Cities. Sensors, 2021, 21, 435.	3.8	29
21	Performance assessment of RDF graph databases for smart city services. Journal of Visual Languages and Computing, 2018, 45, 24-38.	1.8	28
22	Snap4City: A Scalable IOT/IOE Platform for Developing Smart City Applications. , 2018, , .		27
23	MicroServices Suite for Smart City Applications. Sensors, 2019, 19, 4798.	3.8	26
24	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
25	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
26	Smart City Governance Strategies to Better Move Towards a Smart Urbanism. Lecture Notes in Computer Science, 2018, , 639-653.	1.3	24
27	Smart City Architecture for Data Ingestion and Analytics: Processes and Solutions. , 2018, , .		24
28	Assessing Optical Music Recognition Tools. Computer Music Journal, 2007, 31, 68-93.	0.1	22
29	A Smart Decision Support System for Smart City. , 2015, , .		22
30	Predicting and Understanding Landslide Events With Explainable AI. IEEE Access, 2022, 10, 31175-31189.	4.2	22
31	Functional resonance analysis method based-decision support tool for urban transport system resilience management. , 2016, , .		21
32	Wi-Fi based city usersâ€™ behaviour analysis for smart city. Journal of Visual Languages and Computing, 2017, 42, 31-45.	1.8	21
33	TRAFair: Understanding Traffic Flow to Improve Air Quality. , 2019, , .		20
34	Twitter vigilance: A multi-user platform for cross-domain Twitter data analytics, NLP and sentiment analysis. , 2017, , .		19
35	Predicting TV programme audience by using twitter based metrics. Multimedia Tools and Applications, 2018, 77, 12203-12232.	3.9	19
36	High level control of chemical plant by industry 4.0 solutions. Journal of Industrial Information Integration, 2022, 26, 100276.	6.4	18

#	ARTICLE	IF	CITATIONS
37	PAVAL: A location-aware virtual personal assistant for retrieving geolocated points of interest and location-based services. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 77, 70-85.	8.1	14
38	A Big Data Platform for Smart and Sustainable Cities: Environmental Monitoring Case Studies in Europe. <i>Lecture Notes in Computer Science</i> , 2020, , 393-406.	1.3	13
39	Mobile Medicine: semantic computing management for health care applications on desktop and mobile devices. <i>Multimedia Tools and Applications</i> , 2012, 58, 41-79.	3.9	12
40	A Knowledge Base Driven Solution for Smart Cloud Management. , 2015, , .		12
41	Modeling performing arts metadata and relationships in content service for institutions. <i>Multimedia Systems</i> , 2015, 21, 427-449.	4.7	12
42	High Density Real-Time Air Quality Derived Services from IoT Networks. <i>Sensors</i> , 2020, 20, 5435.	3.8	12
43	Deep Learning for Short-Term Prediction of Available Bikes on Bike-Sharing Stations. <i>IEEE Access</i> , 2021, 9, 124337-124347.	4.2	12
44	Metadata Quality Assessment Tool for Open Access Cultural Heritage Institutional Repositories. <i>Lecture Notes in Computer Science</i> , 2013, , 90-103.	1.3	12
45	Multi Clustering Recommendation System for Fashion Retail. <i>Multimedia Tools and Applications</i> , 2023, 82, 9989-10016.	3.9	12
46	Automatic Transcription of Polyphonic Music Based on the Constant-Q Bispectral Analysis. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 1610-1630.	3.2	11
47	Ge(o)Lo(cator): Geographic Information Extraction from Unstructured Text Data and Web Documents. , 2014, , .		11
48	Graph databases methodology and tool supporting index/store versioning. <i>Journal of Visual Languages and Computing</i> , 2015, 31, 222-229.	1.8	11
49	Data Flow Management and Visual Analytic for Big Data Smart City/IOT. , 2019, , .		11
50	Traffic flow reconstruction by solving indeterminacy on traffic distribution at junctions. <i>Future Generation Computer Systems</i> , 2021, 114, 649-660.	7.5	11
51	Tassonomy and Review of Big Data Solutions Navigation. , 2013, , 57-101.		11
52	Smart Cloud Engine and Solution Based on Knowledge Base. <i>Procedia Computer Science</i> , 2015, 68, 3-16.	2.0	10
53	Classification of usersâ€™ transportation modalities from mobiles in real operating conditions. <i>Multimedia Tools and Applications</i> , 2022, 81, 115-140.	3.9	10
54	Research Notes: Smart City Control Room Dashboards: Big Data Infrastructure, from data to decision support. <i>Journal of Visual Languages and Sentient Systems</i> , 2018, 4, 75-82.	1.5	10

#	ARTICLE	IF	CITATIONS
55	Estimating CO2 Emissions from IoT Traffic Flow Sensors and Reconstruction. <i>Sensors</i> , 2022, 22, 3382.	3.8	10
56	Cloud Knowledge Modeling and Management. , 2016, , 640-651.		9
57	User Engagement Engine for Smart City Strategies. , 2017, , .		9
58	An Integrated Smart City Platform. <i>Lecture Notes in Computer Science</i> , 2018, , 171-176.	1.3	9
59	Smart City Dashboards: Design, Development, and Evaluation. , 2020, , .		9
60	A Distributed Framework for NLP-Based Keyword and Keyphrase Extraction From Web Pages and Documents. , 2015, , .		9
61	A Protection Processor for MPEG-21 Players. , 2006, , .		8
62	i-Maestro Framework and Interactive Multimedia Tools for Technology-Enhanced Learning and Teaching for Music. , 2008, , .		8
63	Real-Time Traffic Estimation of Unmonitored Roads. , 2018, , .		8
64	Exploiting smart technologies to build smart resilient cities. , 2018, , 685-705.		8
65	EXPLOITING INTELLIGENT CONTENT VIA AXMEDIS/MPEG-21 FOR MODELLING AND DISTRIBUTING NEWS. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2011, 21, 3-32.	0.8	7
66	ASSISTED KNOWLEDGE BASE GENERATION, MANAGEMENT AND COMPETENCE RETRIEVAL. <i>International Journal of Software Engineering and Knowledge Engineering</i> , 2012, 22, 1007-1037.	0.8	7
67	Micro Grids for Scalable Media Computing and Intelligence in Distributed Scenarios. <i>IEEE MultiMedia</i> , 2012, 19, 69-79.	1.7	7
68	Exploiting P2P scalability for grant authorization in digital rights management solutions. <i>Multimedia Tools and Applications</i> , 2014, 72, 1611-1637.	3.9	7
69	Managing cloud via Smart Cloud Engine and Knowledge Base. <i>Future Generation Computer Systems</i> , 2018, 78, 142-154.	7.5	7
70	WiP: Traffic Flow Reconstruction from Scattered Data. , 2018, , .		7
71	P2P Architecture for Automated B2B Cross Media Content Distribution. , 2007, , .		6
72	Maintenance and emergency management with an integrated indoor/outdoor navigation support. <i>Journal of Visual Languages and Computing</i> , 2014, 25, 637-649.	1.8	6

#	ARTICLE	IF	CITATIONS
73	Anomaly Detection on IOT Data for Smart City. , 2020, , .		6
74	Industry 4.0 Synoptics Controlled by IoT Applications in Node-RED. , 2020, , .		6
75	Mobile Emergency, an Emergency Support System for Hospitals in Mobile Devices: Pilot Study. JMIR Research Protocols, 2013, 2, e19.	1.0	6
76	Optical Music Recognition. , 2008, , 80-110.		6
77	Knowledge Base Construction Process for Smart-City Services. , 2014, , .		5
78	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
79	Auditing and Assessment of Data Traffic Flows in an IoT Architecture. , 2018, , .		5
80	Privacy and Security Aspects on a Smart City IoT Platform. , 2019, , .		5
81	A Photorealistic 3D City Modeling Framework for Smart City Digital Twin. , 2022, , .		5
82	Automatic Music Transcription Supporting Different Instruments. Journal of New Music Research, 2005, 34, 139-149.	0.8	4
83	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
84	MyStoryPlayer: experiencing multiple audiovisual content for education and training. Multimedia Tools and Applications, 2015, 74, 8219-8259.	3.9	4
85	ICARO Cloud Simulator exploiting knowledge base. Simulation Modelling Practice and Theory, 2016, 62, 1-13.	3.8	4
86	Federation of Smart City Services via APIs. , 2020, , .		4
87	Automating IoT Data Ingestion Enabling Visual Representation. Sensors, 2021, 21, 8429.	3.8	4
88	Personal Content Management on PDA for Health Care Applications. , 2009, , .		3
89	Model-based development of an automatic train operation component for communication based train control. , 2014, , .		3
90	Rights enforcement and licensing understanding for RDF stores aggregating open and private data sets. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
91	Protection and composition of crossmedia content in collaborative environments. Multimedia Tools and Applications, 2018, 77, 2083-2114.	3.9	3
92	Real-Time Automatic Air Pollution Services from IOT Data Network. , 2020, , .		3
93	Snap4City Platform to Speed Up Policies. Green Energy and Technology, 2021, , 103-114.	0.6	3
94	A Linked Open Data Service for Performing Arts. Lecture Notes in Computer Science, 2013, , 13-25.	1.3	3
95	<title>Evolution of music score watermarking algorithm</title>. , 2002, 4675, 181.		2
96	Definition of Mechanisms that Enable the Exploitation of Governed Content. , 2006, , .		2
97	Models and Tools for Aggregating and Annotating Content on ECLAP. , 2011, , .		2
98	Benchmarking RDF Stores for Smart City Services. , 2015, , .		2
99	Knowledge Modeling and Management for Mobility and Transport Applications. , 2018, , .		2
100	Computing 15MinCityIndexes on the Basis of Open Data and Services. Lecture Notes in Computer Science, 2021, , 565-579.	1.3	2
101	Long Term Predictions of NO2 Average Values via Deep Learning. Lecture Notes in Computer Science, 2021, , 595-610.	1.3	2
102	A New Generation Digital Content Service for Cultural Heritage Institutions. Lecture Notes in Computer Science, 2013, , 26-38.	1.3	2
103	MPEG Symbolic Music Representation. , 2008, , 12-25.		2
104	Automatic Music Transcription: From Monophonic to Polyphonic. Springer Tracts in Advanced Robotics, 2011, , 27-46.	0.4	2
105	Rendering 3D City for Smart City Digital Twin. , 2022, , .		2
106	A distributed industrial application for quality control of clinched boards based on computer vision. , 2002, , .		1
107	Intelligent Content Model Based on MPEG-21. , 2008, , .		1
108	IPR management models for cultural heritage on ECLAP Best Practice Network. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
109	RAISO: RAILway Infrastructures and Signaling Ontology for Configuration Management, Verification and Validation. , 2016, , .		1
110	Fashion Retail Recommendation System by Multiple Clustering. , 2021, , .		1
111	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
112	An Off-Line Optical Music Sheet Recognition. , 0, , 40-77.		1
113	A Deep Learning Approach for Short Term Prediction of Industrial Plant Working Status. , 2021, , .		1
114	Interactive Multimedia MUSICNETWORK. , 2008, , 1-11.		1
115	Objective quality, 1995. Lecture Notes in Computer Science, 1995, , 1-9.	1.3	1
116	Analyzing Public Transportation Offer wrt Mobility Demand. , 2019, , .		1
117	Exploiting Satellite Data in the Context of Smart City Applications. , 2021, , .		1
118	AXMEDIS architectural solution for interoperable content and DRM on multichannel distribution. , 2006, , 697-704.		0