Tommaso Di Noia

List of Publications by Year
in descending order

132	2,294	304743	361022
papers	citations	22 h-index	35 g-index

134	134	134	1424
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semantic Interpretation of Top-N Recommendations. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2416-2428.	5.7	13
2	A Survey on Adversarial Recommender Systems. ACM Computing Surveys, 2022, 54, 1-38.	23.0	87
3	User-controlled federated matrix factorization for recommender systems. Journal of Intelligent Information Systems, 2022, 58, 287-309.	3.9	6
4	VERBUM â€“ virtual enhanced reality for building modelling (virtual technical tour in digital twins for) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.1	7
5	Artificial intelligence in glomerular diseases. Pediatric Nephrology, 2022, 37, 2533-2545.	1.7	7
6	Dietary Patterns Associated with Diabetes in an Older Population from Southern Italy Using an Unsupervised Learning Approach. Sensors, 2022, 22, 2193.	3.8	11
7	Dietary Customs and Social Deprivation in an Aging Population From Southern Italy: A Machine Learning Approach. Frontiers in Nutrition, 2022, 9, 811076.	3.7	6
8	Recommender systems under European AI regulations. Communications of the ACM, 2022, 65, 69-73.	4.5	21
9	FC048: New Tool to Predict the Clinical Course and Renal Failure in Patients with Immunoglobulin a Nephropathy. Nephrology Dialysis Transplantation, 2022, 37, .	0.7	0
10	Prediction of chronic kidney disease and its progression by artificial intelligence algorithms. Journal of Nephrology, 2022, 35, 1953-1971.	2.0	13
11	Development and testing of an artificial intelligence tool for predicting end-stage kidney disease in patients with immunoglobulin A nephropathy. Kidney International, 2021, 99, 1179-1188.	5.2	47
12	Prioritized multi-criteria federated learning. Intelligenza Artificiale, 2021, 14, 183-200.	1.6	5
13	A flexible framework for evaluating user and item fairness in recommender systems. User Modeling and User-Adapted Interaction, 2021, 31, 457-511.	3.8	31
14	Brain Computer Interface, Visual Tracker and Artificial Intelligence for a Music Polyphony Generation System. Lecture Notes in Computer Science, 2021, , 368-371.	1.3	1
15	User Feedback to Improve the Performance of a Cyberattack Detection Artificial Intelligence System in the e-Health Domain. Lecture Notes in Computer Science, 2021, , 295-299.	1.3	6
16	How to put users in control of their data in federated top-N recommendation with learning to rank. , 2021, , .		13
17	MSAP: Multi-Step Adversarial Perturbations on Recommender Systems Embeddings. Proceedings of the ... International Florida Artificial Intelligence Research Society Conference, 2021, 34, .	0.3	6
18	MO260PERFORMANCE ANALYSIS OF AN ARTIFICIAL NEURAL NETWORK TOOL TO PREDICT ESKD IN PATIENTS WITH IMMUNOGLOBULIN A NEPHROPATHY (IGAN). Nephrology Dialysis Transplantation, 2021, 36, .	0.7	1

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19	Towards real-time monocular depth estimation for mobile systems. , 2021, , .		0
20	Elliot: A Comprehensive and Rigorous Framework for Reproducible Recommender Systems Evaluation. , 2021, , .		39
21	Reenvisioning the comparison between Neural Collaborative Filtering and Matrix Factorization. , 2021, , .		20
22	Explaining recommender systems fairness and accuracy through the lens of data characteristics. Information Processing and Management, 2021, 58, 102662.	8.6	32
23	Sparse Feature Factorization for Recommender Systems with Knowledge Graphs. , 2021, , .		11
24	Third Knowledge-aware and Conversational Recommender Systems Workshop (KaRS). , 2021, , .		1
25	FedeRank: User Controlled Feedback with Federated Recommender Systems. Lecture Notes in Computer Science, 2021, , 32-47.	1.3	14
26	Management at the Edge of Situation Awareness During Patient Telemonitoring. Lecture Notes in Computer Science, 2021, , 372-387.	1.3	5
27	A Biofeedback System to Compose Your Own Music While Dancing. Lecture Notes in Computer Science, 2021, , 309-312.	1.3	1
28	Combining RDF and SPARQL with CP-theories to reason about preferences in a Linked Data setting. Semantic Web, 2020, 11, 391-419.	1.9	6
29	GUapp: A Conversational Agent for Job Recommendation for the Italian Public Administration. , 2020, , .		4
30	TAaMR: Targeted Adversarial Attack against Multimedia Recommender Systems. , 2020, , .		14
31	Deep Learning-Based Adaptive Image Compression System for a Real-World Scenario. , 2020, , .		3
32	A Proposal of Case-Based Approach to Clinical Pathway Modeling Support. , 2020, , .		7
33	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. Talanta, 2020, 214, 120855.	5.5	14
34	SAShA: Semantic-Aware Shilling Attacks on Recommender Systems Exploiting Knowledge Graphs. Lecture Notes in Computer Science, 2020, , 307-323.	1.3	14
35	Towards a Trustworthy Patient Home-Care Thanks to an Edge-Node Infrastructure. Lecture Notes in Computer Science, 2020, , 181-189.	1.3	6
36	Adversarial Machine Learning in Recommender Systems (AML-RecSys). , 2020, , .		21

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37	Adversarial Learning for Recommendation: Applications for Security and Generative Tasks â€" Concept to Code. , 2020, , .		3
38	How Dataset Characteristics Affect the Robustness of Collaborative Recommendation Models. , 2020, , .		28
39	On the discriminative power of hyper-parameters in cross-validation and how to choose them. , 2019, , .		15
40	Local Popularity and Time inÂtop-N Recommendation. Lecture Notes in Computer Science, 2019, , 861-868.	1.3	17
41	Semantics-Aware Autoencoder. IEEE Access, 2019, 7, 166122-166137.	4.2	8
42	2nd Workshop on Knowledge-aware and Conversational Recommender Systems - KaRS. , 2019, , .		5
43	Addressing the user cold start with cross-domain collaborative filtering: exploiting item metadata in matrix factorization. User Modeling and User-Adapted Interaction, 2019, 29, 443-486.	3.8	56
44	RDF2Vec: RDF graph embeddings and their applications. Semantic Web, 2019, 10, 721-752.	1.9	94
45	A fuzzy ontology-based approach for tool-supported decision making in architectural design. Knowledge and Information Systems, 2019, 58, 83-112.	3.2	26
46	How to Make Latent Factors Interpretable by Feeding Factorization Machines with Knowledge Graphs. Lecture Notes in Computer Science, 2019, , 38-56.	1.3	20
47	Towards Effective Device-Aware Federated Learning. Lecture Notes in Computer Science, 2019, , 477-491.	1.3	13
48	The importance of being dissimilar in recommendation. , 2019, , .		4
49	MoSAIC. , 2018, , .		3
50	Knowledge-aware and conversational recommender systems. , 2018, , .		15
51	Knowledge-aware Autoencoders for Explainable Recommender Systems. , 2018, , .		20
52	Reflective Internet of Things Middleware-Enabled a Predictive Real-Time Waste Monitoring System. Lecture Notes in Computer Science, 2018, , 375-383.	1.3	2
53	Using Ontology-Based Data Summarization to Develop Semantics-Aware Recommender Systems. Lecture Notes in Computer Science, 2018, , 128-144.	1.3	13
54	Recommender Systems Based on Linked Open Data. , 2018, , 2064-2080.		2

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55	SPrank. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-34.	4.5	59
56	Preface to the Special Issue on Recommender Systems. Journal on Data Semantics, 2017, 6, 1-1.	2.0	0
57	Adaptive multi-attribute diversity for recommender systems. Information Sciences, 2017, 382-383, 234-253.	6.9	42
58	An Analysis on Time- and Session-aware Diversification in Recommender Systems. , 2017, , .		17
59	PrOnto: an Ontology Driven Business Process Mining Tool. Procedia Computer Science, 2017, 112, 306-315.	2.0	8
60	A pre-process clustering methods for the waste collection problem. , 2017, , .		2
61	Sound and Music Recommendation with Knowledge Graphs. ACM Transactions on Intelligent Systems and Technology, 2017, 8, 1-21.	4.5	76
62	Schema-summarization in linked-data-based feature selection for recommender systems. , 2017, , .		16
63	Recommender Systems Based on Linked Open Data. , 2017, , 1-17.		0
64	Recommender Systems Meet Linked Open Data. Lecture Notes in Computer Science, 2016, , 620-623.	1.3	4
65	High Dynamic Range Power Consumption Measurement in Microcontroller-Based Applications. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1968-1976.	4.7	32
66	Building a relatedness graph from Linked Open Data: A case study in the IT domain. Expert Systems With Applications, 2016, 44, 354-366.	7.6	9
67	Clinical decision support system for end-stage kidney disease risk estimation in IgA nephropathy patients. Nephrology Dialysis Transplantation, 2016, 31, 80-86.	0.7	38
68	A Quality Model for Linked Data Exploration. Lecture Notes in Computer Science, 2016, , 397-404.	1.3	8
69	Exposing Open Street Map in the Linked Data Cloud. Lecture Notes in Computer Science, 2016, , 344-355.	1.3	6
70	Patient classification and outcome prediction in IgA nephropathy. Computers in Biology and Medicine, 2015, 66, 278-286.	7.0	19
71	An evaluation of SimRank and Personalized PageRank to build a recommender system for the Web of Data. , 2015, , .		38
72	Preference Queries with Ceteris Paribus Semantics for Linked Data. Lecture Notes in Computer Science, 2015, , 423-442.	1.3	6

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73	Ontology-Driven Pattern Selection and Matching in Software Design. Lecture Notes in Computer Science, 2014, , 82-89.	1.3	5
74	An end stage kidney disease predictor based on an artificial neural networks ensemble. Expert Systems With Applications, 2013, 40, 4438-4445.	7.6	60
75	Top-N recommendations from implicit feedback leveraging linked open data. , 2013, , .		101
76	Reasoning with Semantic-Enabled Qualitative Preferences. Lecture Notes in Computer Science, 2013, , 374-386.	1.3	3
77	Web 3.0 in action. , 2012, , .		1
78	Linked open data to support content-based recommender systems. , 2012, , .		162
79	Exploiting the web of data in model-based recommender systems. , 2012, , .		47
80	Formalizing interactive staged feature model configuration. Journal of Software: Evolution and Process, 2012, 24, 375-400.	1.6	24
81	Semantic Matchmaking and Ranking: Beyond Deduction in Retrieval Scenarios. Lecture Notes in Computer Science, 2012, , 5-8.	1.3	0
82	From exploratory search to web search and back. , 2010, , .		12
83	Semantic-based resource discovery, composition and substitution in IEEE 802.11 mobile ad hoc networks. Wireless Networks, 2010, 16, 1223-1251.	3.0	11
84	Semantic tags generation and retrieval for online advertising. , 2010, , .		9
85	Computing Utility from Weighted Description Logic Preference Formulas. Lecture Notes in Computer Science, 2010, , 158-173.	1.3	7
86	Ranking the Linked Data: The Case of DBpedia. Lecture Notes in Computer Science, 2010, , 337-354.	1.3	28
87	Semantic Tag Cloud Generation via DBpedia. Lecture Notes in Business Information Processing, 2010, , 36-48.	1.0	8
88	Configuring Software Product Line Feature Models Based on Stakeholdersâ€™ Soft and Hard Requirements. Lecture Notes in Computer Science, 2010, , 16-31.	1.3	23
89	Semantic Wonder Cloud: Exploratory Search in DBpedia. Lecture Notes in Computer Science, 2010, , 138-149.	1.3	21
90	Electronic Markets, a Look Behind the Curtains: How Can Semantic Matchmaking and Negotiation Boost E-Commerce?. Lecture Notes in Business Information Processing, 2010, , 241-252.	1.0	0

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91	Reasoning in Pervasive Environments: An Implementation of Concept Abduction with Mobile OODBMS. , 2009, , .		7
92	Computing Information Minimal Match Explanations for Logic-Based Matchmaking. , 2009, , .		2
93	Ubiquitous knowledge-based framework for RFID semantic discovery in smart u-Commerce environments. , 2009, , .		2
94	Fuzzy matchmaking in e-marketplaces of peer entities using Datalog. Fuzzy Sets and Systems, 2009, 160, 251-268.	2.7	29
95	Semantic-enabled Resource Discovery, Composition and Substitution in 802.11 Pervasive Environments. , 2009, , .		1
96	A Semantic Web Enabled System for RÃ©sumÃ© Composition and Publication. , 2009, , .		4
97	Increasing Bid Expressiveness for Effective and Balanced E-Barter Trading. Lecture Notes in Computer Science, 2009, , 128-142.	1.3	4
98	Semantic-Based Top-k Retrieval for Competence Management. Lecture Notes in Computer Science, 2009, , 473-482.	1.3	2
99	Weighted Description Logics Preference Formulas for Multiattribute Negotiation. Lecture Notes in Computer Science, 2009, , 193-205.	1.3	8
100	Logic-based automated multi-issue bilateral negotiation in peer-to-peer e-marketplaces. Autonomous Agents and Multi-Agent Systems, 2008, 16, 249-270.	2.1	13
101	A Semantic-Enabled Mobile Directory Service for RFID-Based Logistics Applications. , 2008, , .		1
102	Abduction and Contraction for Semantic-Based Mobile Dating in P2P Environments. , 2008, , .		2
103	A semantic-based mobile registry for dynamic RFID-based logistics support. , 2008, , .		5
104	A semantic-based registry enabling discovery, composition and substitution of pervasive services. , 2008, , .		2
105	Semantic-Based Bluetooth-RFID Interaction for Advanced Resource Discovery in Pervasive Contexts. International Journal on Semantic Web and Information Systems, 2008, 4, 50-74.	5.1	25
106	Extending Propositional Logic with Concrete Domains for Multi-issue Bilateral Negotiation. Lecture Notes in Computer Science, 2008, , 211-226.	1.3	4
107	Towards a Fuzzy Logic for Automated Multi-issue Negotiation. Lecture Notes in Computer Science, 2008, , 381-396.	1.3	9
108	A Matchmaking Architecture to Support Innovation by Fostering Supply and Demand of Venture Capital. Lecture Notes in Computer Science, 2008, , 61-70.	1.3	1

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109	RFID meets bluetooth in a semantic based u-commerce environment. , 2007, , .		9
110	A Nonmonotonic Approach to Semantic Matchmaking and Request Refinement in E-Marketplaces. International Journal of Electronic Commerce, 2007, 12, 127-154.	3.0	40
111	Introduction to the Special Issue: Semantic Matchmaking and Resource Retrieval on the Web. International Journal of Electronic Commerce, 2007, 12, 5-9.	3.0	1
112	When price is not enough. , 2007, , .		2
113	Integrating Radio Frequency Object Discovery and Bluetooth for Semantic-Based M-Commerce. , 2007, , .		5
114	If objects could talk: a novel resource discovery approach for pervasive environments. International Journal of Internet Protocol Technology, 2007, 2, 199.	0.2	14
115	Alternating-Offers Protocol for Multi-issue Bilateral Negotiation in Semantic-Enabled Marketplaces. Lecture Notes in Computer Science, 2007, , 395-408.	1.3	8
116	An Efficient Data Compression Algorithm for Semantic-Based Ubiquitous Computing Applications. , 2007, , .		16
117	Automated building blocks selection based on business processes semantics in ERPs. Service Oriented Computing and Applications, 2007, 1, 171-184.	1.6	2
118	Vague Knowledge Bases for Matchmaking in P2P E-Marketplaces. Lecture Notes in Computer Science, 2007, , 414-428.	1.3	21
119	Fully Automated Web Services Discovery and Composition Through Concept Covering and Concept Abduction. International Journal of Web Services Research, 2007, 4, 85-112.	0.8	28
120	Semantic Bayesian Profiling Services for Information Recommendation. Lecture Notes in Computer Science, 2007, , 711-719.	1.3	0
121	Efficient Automatic Selection of Semantically-Annotated Building Blocks for ERPs Customizing. Lecture Notes in Computer Science, 2007, , 233-244.	1.3	0
122	Semantic-enhanced Bluetooth discovery protocol for m-commerce applications. International Journal of Web and Grid Services, 2006, 2, 424.	0.5	20
123	A semantic-based fully visual application for matchmaking and query refinement in B2C e-marketplaces. , 2006, , .		12
124	Propositional-logic approach to one-shot multi issue bilateral negotiation. , 2006, 5, 11-21.		13
125	Explanation Services and Request Refinement in User Friendly Semantic-Enabled B2C E-Marketplaces. Lecture Notes in Computer Science, 2006, , 13-27.	1.3	1
126	Concept abduction and contraction for semantic-based discovery of matches and negotiation spaces in an e-marketplace. Electronic Commerce Research and Applications, 2005, 4, 345-361.	5.0	73

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127	Knowledge elicitation for query refinement in a semantic-enabled e-marketplace. , 2005, , .		8
128	Concept abduction and contraction for semantic-based discovery of matches and negotiation spaces in an e-marketplace. , 2004, , .		22
129	A System for Principled Matchmaking in an Electronic Marketplace. International Journal of Electronic Commerce, 2004, 8, 9-37.	3.0	71
130	Extending Semantic-Based Matchmaking via Concept Abduction and Contraction. Lecture Notes in Computer Science, 2004, , 307-320.	1.3	15
131	A system for principled matchmaking in an electronic marketplace. , 2003, , .		49
132	Description Logics Approach to Semantic Matching of Web Services. Journal of Computing and Information Technology, 2003, 11, 217.	0.3	3