Sergio Consoli

List of Publications by Year
in descending order

69 papers	716 citations	687363 13 h-index	677142 22 g-index
73 all docs	73 docs citations	73 times ranked	470 citing authors

#	Article	IF	Citations
1	Sentilo: Frame-Based Sentiment Analysis. Cognitive Computation, 2015, 7, 211-225.	5.2	56
2	Discrete Particle Swarm Optimization for the minimum labelling Steiner tree problem. Natural Computing, 2010, 9, 29-46.	3.0	46
3	Artificial Intelligence in Clinical Health Care Applications: Viewpoint. Interactive Journal of Medical Research, 2019, 8, e12100.	1.4	42
4	Explainable Machine Learning Exploiting News and Domain-Specific Lexicon for Stock Market Forecasting. IEEE Access, 2021, 9, 30193-30205.	4.2	41
5	An Innovative, Open, Interoperable Citizen Engagement Cloud Platform for Smart Government and Usersâ€™ Interaction. Journal of the Knowledge Economy, 2016, 7, 388-412.	4.4	34
6	Greedy Randomized Adaptive Search and Variable Neighbourhood Search for the minimum labelling spanning tree problem. European Journal of Operational Research, 2009, 196, 440-449.	5.7	31
7	Producing Linked Data for Smart Cities: The Case of Catania. Big Data Research, 2017, 7, 1-15.	4.2	29
8	Fine-grained, aspect-based sentiment analysis on economic and financial lexicon. Knowledge-Based Systems, 2022, 247, 108781.	7.1	29
9	A Smart City Data Model based on Semantics Best Practice and Principles. , 2015, , .		28
10	Variable neighbourhood search for the minimum labelling Steiner tree problem. Annals of Operations Research, 2009, 172, 71-96.	4.1	24
11	Uncovering the Semantics of Wikipedia Pagelinks. Lecture Notes in Computer Science, 2014, , 413-428.	1.3	21
12	Discrete Particle Swarm Optimization for the Minimum Labelling Steiner Tree Problem. Studies in Computational Intelligence, 2008, , 313-322.	0.9	21
13	Data Science in Healthcare: Benefits, Challenges and Opportunities. , 2019, , 3-38.		18
14	Data Science for Healthcare. , 2019, , .		17
15	Forecasting with Economic News. Journal of Business and Economic Statistics, 2023, 41, 708-719.	2.9	17
16	From hyperlinks to Semantic Web properties using Open Knowledge Extraction. Semantic Web, 2016, 7, 351-378.	1.9	14
17	Ensembling and Dynamic Asset Selection for Risk-Controlled Statistical Arbitrage. IEEE Access, 2021, 9, 29942-29959.	4.2	14
18	Heuristic Approaches for the Quartet Method of Hierarchical Clustering. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 1428-1443.	5.7	13

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19	A Recommender System of Medical Reports Leveraging Cognitive Computing and Frame Semantics. Intelligent Systems Reference Library, 2019, , 7-30.	1.2	13
20	Using FRED for Named Entity Resolution, Linking and Typing for Knowledge Base Population. Communications in Computer and Information Science, 2015, , 40-50.	0.5	13
21	Data Science for Economics and Finance. , 2021, , .		12
22	A Semantic Web Based Core Engine to Efficiently Perform Sentiment Analysis. Lecture Notes in Computer Science, 2014, , 245-248.	1.3	12
23	Geolinked Open Data for the Municipality of Catania. , 2014, , .		11
24	Solving the minimum labelling spanning tree problem by intelligent optimization. Applied Soft Computing Journal, 2015, 28, 440-452.	7.2	11
25	Emotions in macroeconomic news and their impact on the European bond market. Journal of International Money and Finance, 2021, 118, 102472.	2.5	11
26	Solving the minimum labelling spanning tree problem using hybrid local search. Electronic Notes in Discrete Mathematics, 2012, 39, 75-82.	0.4	10
27	A quartet method based on variable neighborhood search for biomedical literature extraction and clustering. International Transactions in Operational Research, 2017, 24, 537-558.	2.7	10
28	Event detection in finance using hierarchical clustering algorithms on news and tweets. PeerJ Computer Science, 2021, 7, e438.	4.5	10
29	Extracting knowledge from text using SHELDON, a Semantic Holistic framEwork for LinkeD ONtology data. , 2015, , .		9
30	An Urban Fault Reporting and Management Platform for Smart Cities. , 2015, , .		9
31	Monitoring the Business Cycle with Fine-Grained, Aspect-Based Sentiment Extraction from News. Lecture Notes in Computer Science, 2020, , 101-106.	1.3	7
32	Statistical arbitrage powered by Explainable Artificial Intelligence. Expert Systems With Applications, 2022, 206, 117763.	7.6	7
33	Merging open knowledge extracted from text with MERGILO. Knowledge-Based Systems, 2016, 108, 155-167.	7.1	6
34	Setting the Course of Emergency Vehicle Routing Using Geolinked Open Data for the Municipality of Catania. Lecture Notes in Computer Science, 2014, , 42-53.	1.3	6
35	Forecasting with Economic News. SSRN Electronic Journal, 0, , .	0.4	6
36	Fine-Grained, Aspect-Based Sentiment Analysis on Economic and Financial Lexicon. SSRN Electronic Journal, 0, , .	0.4	5

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37	Comparison of metaheuristics for the <i>k</i>â€labeled spanning forest problem. International Transactions in Operational Research, 2017, 24, 559-582.	2.7	4
38	Improved metaheuristics for the quartet method of hierarchical clustering. Journal of Global Optimization, 2020, 78, 241-270.	1.8	4
39	Dynamic Industry-Specific Lexicon Generation for Stock Market Forecast. Lecture Notes in Computer Science, 2020, , 162-176.	1.3	4
40	Intelligent variable neighbourhood search for the minimum labelling spanning tree problem. Electronic Notes in Discrete Mathematics, 2013, 41, 399-406.	0.4	3
41	Semantic reconciliation of knowledge extracted from text through a novel machine reader. , 2015, , .		3
42	A VNS-based quartet algorithm for biomedical literature clustering. Electronic Notes in Discrete Mathematics, 2015, 47, 13-20.	0.4	3
43	Introduction to Classification Algorithms and Their Performance Analysis Using Medical Examples. , 2019, , 39-73.		3
44	An eXplainable Artificial Intelligence tool for statistical arbitrage. Software Impacts, 2022, 14, 100354.	1.4	3
45	Variable neighbourhood search for the k-labelled spanning forest problem. Electronic Notes in Discrete Mathematics, 2015, 47, 29-36.	0.4	2
46	Data Visualization in Clinical Practice. , 2019, , 289-304.		2
47	Exploring the Predictive Power of News and Neural Machine Learning Models for Economic Forecasting. Lecture Notes in Computer Science, 2021, , 135-149.	1.3	2
48	Data Science Technologies in Economics and Finance: A Gentle Walk-In. , 2021, , 1-17.		2
49	Neural forecasting of the Italian sovereign bond market with economic news. Journal of the Royal Statistical Society Series A: Statistics in Society, 0, , .	1.1	2
50	A local search approach for generating directional data. Intelligent Data Analysis, 2016, 20, 439-453.	0.9	1
51	Improving Support Vector Machines Performance Using Local Search. Lecture Notes in Computer Science, 2018, , 16-28.	1.3	1
52	Evolutionary Construction of Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, , 293-304.	1.3	1
53	An exact algorithm for the minimum quartet tree cost problem. 4or, 2019, 17, 401-425.	1.6	1
54	Improved Variable Neighbourhood Search Heuristic for Quartet Clustering. Lecture Notes in Computer Science, 2019, , 1-12.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Big Data Financial Sentiment Analysis in the European Bond Markets. Lecture Notes in Computer Science, 2020, , 122-126.	1.3	1
56	Using the GDELT Dataset to Analyse theÂItalian Sovereign Bond Market. Lecture Notes in Computer Science, 2020, , 190-202.	1.3	1
57	Fine-grained, aspect-based semantic sentiment analysis within the economic and financial domains. , 2020, , .		1
58	Forecasting the IBEX-35 Stock Index Using Deep Learning and News Emotions. Lecture Notes in Computer Science, 2022, , 308-323.	1.3	1
59	On Neural Forecasting andÂNews Emotions: The Case ofÂtheÂSpanish Stock Market. Communications in Computer and Information Science, 2021, , 189-194.	0.5	1
60	The development and application of metaheuristics for problems in graph theory: a computational study. 4or, 2012, 10, 319-320.	1.6	0
61	Analysis of Topic Propagation in Therapy Sessions Using Partially Labeled Latent Dirichlet Allocation. Lecture Notes in Computer Science, 2019, , 59-75.	1.3	0
62	Reduced Variable Neighbourhood Search for the Generation of Controlled Circular Data. Lecture Notes in Computer Science, 2021, , 83-98.	1.3	0
63	Information Extraction From the GDELT Database to Analyse EU Sovereign Bond Markets. Lecture Notes in Computer Science, 2021, , 55-67.	1.3	0
64	Energy Efficiency Using the Fast Reroute Technique. , 2015, , 7096-7105.		0
65	Legalo: Revealing the Semantics of Links. Lecture Notes in Computer Science, 2015, , 140-144.	1.3	0
66	Improving Clinical Subjects Clustering by Learning and Optimizing Feature Weights. Lecture Notes in Computer Science, 2019, , 305-316.	1.3	0
67	SmartPHIL. , 2020, , .		0
68	HawkEye: a Visual Framework for Agile Cross-Validation of Deep Learning Approaches in Financial Forecasting. , 2020, , .		0
69	A Big Data framework based on Apache Spark for Industry-specific Lexicon Generation for Stock Market Prediction. , 2021, , .		0