Teruaki Hayashi

List of Publications by Year
in descending order

55 papers	282 citations	1306789 7 h-index	996533 15 g-index
58 all docs	58 docs citations	58 times ranked	64 citing authors

#	Article	IF	Citations
1	Data Jackets for Synthesizing Values in the Market of Data. Procedia Computer Science, 2013, 22, 709-716.	1.2	62
2	Innovators Marketplace on Data Jackets, for Valuating, Sharing, and Synthesizing Data. Smart Innovation, Systems and Technologies, 2015, , 83-97.	0.5	23
3	Understanding the Structural Characteristics of Data Platforms Using Metadata and a Network Approach. IEEE Access, 2020, 8, 35469-35481.	2.6	19
4	Processing Combinatorial Thinking. International Journal of Knowledge and Systems Science, 2013, 4, 14-38.	0.5	18
5	TEEDA: An Interactive Platform for Matching Data Providers and Users in the Data Marketplace. Information (Switzerland), 2020, 11, 218.	1.7	15
6	Data Jackets for Externalizing Use Value of Hidden Datasets. Procedia Computer Science, 2014, 35, 946-953.	1.2	12
7	Knowledge structuring and reuse system design using RDF for creating a market of data. , 2015, , .		11
8	Feature Extraction of Laser Machining Data by Using Deep Multi-Task Learning. Information (Switzerland), 2020, 11, 378.	1.7	11
9	Structural Characteristics of Stakeholder Relationships and Value Chain Network in Data Exchange Ecosystem. IEEE Access, 2021, 9, 52266-52276.	2.6	9
10	Development and Evaluation of a New Platform for Accelerating Cross-Domain Data Exchange and Cooperation. New Generation Computing, 2020, 38, 65-96.	2.5	8
11	Comparison between Utility Expectation of Public and Private Data in the Market of Data. Procedia Computer Science, 2016, 96, 1267-1274.	1.2	7
12	VARIABLE QUEST: Network Visualization of Variable Labels Unifying Co-occurrence Graphs. , 2017, , .		7
13	Inferring variable labels using outlines of data in Data Jackets by considering similarity and co-occurrence. International Journal of Data Science and Analytics, 2018, 6, 351-361.	2.4	7
14	Restructuring Incomplete Models in Innovators Marketplace on Data Jackets. , 2017, , 1015-1031.		7
15	Tangled string for sequence visualization as fruit of ideas in Innovators Marketplace on Data Jackets. Intelligent Decision Technologies, 2016, 10, 235-247.	0.6	6
16	Data Jacket Store: Structuring Knowledge of Data Utilization and Retrieval System. Transactions of the Japanese Society for Artificial Intelligence, 2016, 31, A-G15_1-9.	0.1	6
17	Tangled String for Multi-Timescale Explanation of Changes in Stock Market. Information (Switzerland), 2019, 10, 118.	1.7	5
18	Matrix-Based Method for Inferring Variable Labels Using Outlines of Data in Data Jackets. Lecture Notes in Computer Science, 2017, , 696-707.	1.0	5

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19	Preliminary Case Study on Value Determination of Datasets and Cross-disciplinary Data Collaboration Using Data Jackets. Procedia Computer Science, 2017, 112, 2175-2184.	1.2	4
20	The Acceptability of Tools for the Data Marketplace among Firms Using Market Research Online Communities. Procedia Computer Science, 2020, 176, 1613-1620.	1.2	4
21	Knowledge Structuring and Reuse System Using RDF for Supporting Scenario Generation. Procedia Computer Science, 2015, 60, 1281-1288.	1.2	3
22	Shikakeological approach of innovators marketplace as role-based game and evaluation method for solutions. AI and Society, 2015, 30, 451-461.	3.1	3
23	Data Requests and Scenarios for Data Design of Unobserved Events in Corona-related Confusion Using TEEDA. , 2020, , .		3
24	Estimation of Novelty Assessment of Strategic Scenarios Using Relativeness. , 2014, , .		2
25	Visualizing History for Qualitative Explanation of Valuable Events using Tangled String. Procedia Computer Science, 2015, 60, 1178-1185.	1.2	2
26	Comparison of Conflict Resolution Behavior and scenario generating process in group and individual by handwriting process analysis. Intelligent Decision Technologies, 2016, 10, 213-221.	0.6	2
27	Meta-data generation of analysis tools and connection with structured meta-data of datasets. , 2016, , .		2
28	Matrix-Based Method for Inferring Elements in Data Attributes Using a Vector Space Model. Information (Switzerland), 2019, 10, 107.	1.7	2
29	A Latent Topic Analysis Framework for Category-Level Target Promotion in the Supermarket. Procedia Computer Science, 2021, 192, 2170-2179.	1.2	2
30	Data Jackets as Communicable Metadata for Potential Innovators â€" Toward Opening to Social Contexts. Advances in Intelligent Systems and Computing, 2021, , 1-13.	0.5	2
31	Retrieving of Data Similarity using Metadata on a Data Analysis Competition Platform. , 2021, , .		2
32	Estimating Contextual Relationships of Stakeholders in Scenarios Using DBpedia. , 2015, , .		1
33	Web-based Innovators Marketplace on Data Jackets as Communication Support System. , 2018, , .		1
34	Analysis of Structural Characteristics and Networks of Cross-disciplinary Data Using Data Jackets. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2019, 31, 534-545.	0.0	1
35	Evaluation of Data Similarity using Data Jackets based on Usersâ€™ Recognition. Procedia Computer Science, 2019, 159, 1821-1832.	1.2	1
36	Net-TF-SW: Event Popularity Quantification with Network Structure. Procedia Computer Science, 2020, 176, 1693-1702.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Topic Jerk Detector: Detection of Tweet Bursts Related to the Fukushima Daiichi Nuclear Disaster. Information (Switzerland), 2020, 11, 368.	1.7	1
38	Data Combination for Problem-Solving: A Case of an Open Data Exchange Platform. The Review of Socionetwork Strategies, 0, , 1.	1.0	1
39	A Latent Topic Analysis and Visualization Framework for Category-Level Target Promotion in the Supermarket. The Review of Socionetwork Strategies, 0, , 1.	1.0	1
40	Data Origination: Human-Centered Approach for Design, Acquisition, and Utilization of Data. Advances in Intelligent Systems and Computing, 2021, , 85-93.	0.5	1
41	A Community Sensing Approach for User Identity Linkage. Advances in Intelligent Systems and Computing, 2020, , 191-202.	0.5	1
42	Inferring Variable Labels Considering Co-occurrence of Variable Labels in Data Jackets. , 2016, , .		0
43	The Difference between Variable-based and Context-based Networks of Data Using Data Jackets. Procedia Computer Science, 2018, 126, 1740-1747.	1.2	0
44	How to Understand Belief Drift? Externalization of Variables Considering Different Background Knowledge. Advances in Human-Computer Interaction, 2018, 2018, 1-12.	1.8	0
45	Information Retrieval System and Knowledge Base on Diseases Using Variables and Contexts in the Texts. Procedia Computer Science, 2019, 159, 1662-1669.	1.2	0
46	Data Classification by Reducing Bias of Domain-Oriented Knowledge Based on Data Jackets. , 2019, , .		0
47	Editorial for the Special Issue on "CDEC: Cross-Disciplinary Data Exchange and Collaboration". Information (Switzerland), 2020, 11, 392.	1.7	0
48	Preference for Abstract Diagrams and Sentiments Applied in a Product Selection. Procedia Computer Science, 2021, 192, 2122-2131.	1.2	0
49	Description Framework for Stakeholder-Centric Value Chain of Data to Understand Data Exchange Ecosystem. Lecture Notes in Computer Science, 2021, , 98-105.	1.0	0
50	Verification Process of Data Combination for Problem-solving: A Case of a Residential Area Selection System. Procedia Computer Science, 2021, 192, 1992-2001.	1.2	0
51	Preface of Special Issue on Socionetwork Strategies in the Market of Data (ISSMD). The Review of Socionetwork Strategies, 2021, 15, 1-3.	1.0	0
52	Explaining Dynamic Changes in Various Asset's Relationships in Financial Markets. The Review of Socionetwork Strategies, 2021, 15, 597.	1.0	0
53	Verification of Data Similarity using Metadata on a Data Exchange Platform. , 2020, , .		0
54	Variables Extraction in Natural (English) Language Through Possessive Relationships. Advances in Intelligent Systems and Computing, 2020, , 162-169.	0.5	0

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55	Growing Process of Communities on Data Platforms: Case Analysis of a COVID-19 Dataset. , 2021, , .		0