John D Kelleher

List of Publications by Year
in descending order

85 papers	1,210 citations	759233 12 h-index	552781 26 g-index
96 all docs	96 docs citations	96 times ranked	992 citing authors

#	Article	IF	Citations
1	A U-Net Deep Learning Framework for High Performance Vessel Segmentation in Patients With Cerebrovascular Disease. Frontiers in Neuroscience, 2019, 13, 97.	2.8	160
2	A Taxonomy for Agent-Based Models in Human Infectious Disease Epidemiology. Jasss, 2017, 20, .	1.8	96
3	An open-data-driven agent-based model to simulate infectious disease outbreaks. PLoS ONE, 2018, 13, e0208775.	2.5	78
4	An Analysis of the Application of Simplified Silhouette to the Evaluation of k-means Clustering Validity. Lecture Notes in Computer Science, 2017, , 291-305.	1.3	56
5	Applying Computational Models of Spatial Prepositions to Visually Situated Dialog. Computational Linguistics, 2009, 35, 271-306.	3.3	51
6	Expectations of artificial intelligence and the performativity of ethics: Implications for communication governance. Big Data and Society, 2020, 7, 205395172091593.	4.5	48
7	Incremental generation of spatial referring expressions in situated dialog. , 2006, , .		44
8	The Recruitment of Passion and Community in the Service of Capital: Community Managers in the Digital Games Industry. Critical Studies in Media Communication, 2015, 32, 177-192.	1.2	34
9	Dynamically structuring, updating and interrelating representations of visual and linguistic discourse context. Artificial Intelligence, 2005, 167, 62-102.	5.8	25
10	A Hybrid Agent-Based and Equation Based Model for the Spread of Infectious Diseases. Jasss, 2020, 23, .	1.8	23
11	Examining the Limits of Predictability of Human Mobility. Entropy, 2019, 21, 432.	2.2	21
12	Information Fusion for Visual Reference Resolution in Dynamic Situated Dialogue. Lecture Notes in Computer Science, 2006, , 117-128.	1.3	19
13	Proximity in context. , 2006, , .		19
14	Idiom Token Classification using Sentential Distributed Semantics. , 2016, , .		19
15	Capturing and measuring thematic relatedness. Language Resources and Evaluation, 2020, 54, 645-682.	2.7	15
16	A Model for the Spread of Infectious Diseases in a Region. International Journal of Environmental Research and Public Health, 2020, 17, 3119.	2.6	12
17	Robot perception errors and human resolution strategies in situated human–robot dialogue. Advanced Robotics, 2017, 31, 243-257.	1.8	11
18	Generating Diverse and Meaningful Captions. Lecture Notes in Computer Science, 2018, , 176-187.	1.3	11

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19	Hybrid modelling for stroke care: Review and suggestions of new approaches for risk assessment and simulation of scenarios. NeuroImage: Clinical, 2021, 31, 102694.	2.7	10
20	Visual Salience and Reference Resolution in Simulated 3-D Environments. Artificial Intelligence Review, 2004, 21, 253-267.	15.7	8
21	A Computational Model of the Referential Semantics of Projective Prepositions. , 2006, , 211-228.		8
22	Adapting an Agent-Based Model of Infectious Disease Spread in an Irish County to COVID-19. Systems, 2021, 9, 41.	2.3	7
23	Using Regular Languages to Explore the Representational Capacity of Recurrent Neural Architectures. Lecture Notes in Computer Science, 2018, , 189-198.	1.3	7
24	Exploring the Functional and Geometric Bias of Spatial Relations Using Neural Language Models. , 2018, , .		7
25	Structural descriptions in human-assisted robot visual learning. , 2006, , .		6
26	On Using Tree Visualisation Techniques to Support Source Code Comprehension. , 2016, , .		6
27	Poisoning Knowledge Graph Embeddings via Relation Inference Patterns. , 2021, , .		6
28	Style versus Content: A distinction without a (learnable) difference?. , 2020, , .		6
29	Using a Socioeconomic Segregation Burn-in Model to Initialise an Agent-Based Model for Infectious Diseases. Jasss, 2018, 21, .	1.8	6
30	An investigation into the semantics of English topological prepositions. Cognitive Processing, 2009, 10, 233-236.	1.4	5
31	The effect of occlusion on the semantics of projective spatial terms: a case study in grounding language in perception. Cognitive Processing, 2011, 12, 95-108.	1.4	5
32	Using Topic Modelling Algorithms for Hierarchical Activity Discovery. Advances in Intelligent Systems and Computing, 2016, , 41-48.	0.6	5
33	Bootstrapping Labelled Dataset Construction for Cow Tracking and Behavior Analysis. , 2017, , .		5
34	Spatial prepositions in context. , 2006, , .		5
35	Adversarial Attacks on Knowledge Graph Embeddings via Instance Attribution Methods. , 2021, , .		5
36	The impact of Body Mass Index on functional rehabilitation outcomes of working-age inpatients with stroke. European Journal of Physical and Rehabilitation Medicine, 2021, 57, 216-226.	2.2	4

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37	Multimodal Fusion Strategies for Outcome Prediction in Stroke. , 2020, , .		4
38	Language-Driven Region Pointer Advancement for Controllable Image Captioning. , 2020, , .		4
39	Age Specific Models to Capture the Change in Risk Factor Contribution by Age to Short Term Primary Ischemic Stroke Risk. Frontiers in Neurology, 2022, 13, 803749.	2.4	4
40	Attention driven reference resolution in multimodal contexts. Artificial Intelligence Review, 2007, 25, 21-35.	15.7	3
41	A framework for post-stroke quality of life prediction using structured prediction. , 2017, , .		3
42	The Code-Map Metaphor - A Review of Its Use Within Software Visualisations. , 2017, , .		3
43	Energy-Based Modelling for Dialogue State Tracking. , 2019, , .		3
44	Feeling the ambiance. , 2011, , .		2
45	Exploring Online Novelty Detection Using First Story Detection Models. Lecture Notes in Computer Science, 2018, , 107-116.	1.3	2
46	Toward Personalized Web-Based Cognitive Rehabilitation for Patients With Ischemic Stroke: Elo Rating Approach. JMIR Medical Informatics, 2021, 9, e28090.	2.6	2
47	Using a hybrid agent-based and equation based model to test school closure policies during a measles outbreak. BMC Public Health, 2021, 21, 499.	2.9	2
48	Finding BERTâ€™s Idiomatic Key. , 2021, , .		2
49	A Comparative Study of the Effect of Sensor Noise on Activity Recognition Models. Communications in Computer and Information Science, 2013, , 151-162.	0.5	2
50	Visual salience and the other one. , 2011, , 205-228.		2
51	Multi-Element Long Distance Dependencies: Using SPk Languages to Explore the Characteristics of Long-Distance Dependencies. , 2019, , .		2
52	Capturing Dialogue State Variable Dependencies with an Energy-based Neural Dialogue State Tracker. , 2019, , .		2
53	Assessing Feature Representations for Instance-Based Cross-Domain Anomaly Detection in Cloud Services Univariate Time Series Data. IoT, 2022, 3, 123-144.	3.8	2
54	Shapley Idioms: Analysing BERT Sentence Embeddings for General Idiom Token Identification. Frontiers in Artificial Intelligence, 2022, 5, 813967.	3.4	2

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55	Investigating Contextual Influence in Document-Level Translation. Information (Switzerland), 2022, 13, 249.	2.9	2
56	Towards a Cognitive System that Can Recognize Spatial Regions Based on Context. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 200-206.	4.9	2
57	Feasibility study of utility-directed behaviour for computer game agents. , 2011, , .		1
58	An Investigation Into Feature Selection for Oncological Survival Prediction. , 2012, , .		1
59	The Code Mini-Map Visualisation: Encoding Conceptual Structures Within Source Code. , 2018, , .		1
60	Size Matters: The Impact of Training Size in Taxonomically-Enriched Word Embeddings. Open Computer Science, 2019, 9, 252-267.	1.7	1
61	Style as Sentiment Versus Style as Formality: The Same or Different?. Lecture Notes in Computer Science, 2021, , 487-499.	1.3	1
62	SONAS: Multimodal, Multi-User Interaction with a Modelled Environment. Advances in Consciousness Research, 2000, , 171-184.	0.2	1
63	Just Say It: An Evaluation of Speech Interfaces for Augmented Reality Design Applications. Lecture Notes in Computer Science, 2010, , 134-143.	1.3	1
64	Expecting the Unexpected: Measure the Uncertainties for Mobile Robot Path Planning in Dynamic Environment. Lecture Notes in Computer Science, 2014, , 363-374.	1.3	1
65	The Effect of Sensor Errors in Situated Human-Computer Dialogue. , 2014, , .		1
66	DIT: Summarisation and Semantic Expansion in Evaluating Semantic Similarity. , 2014, , .		1
67	On the Inability of Markov Models to Capture Criticality in Human Mobility. Lecture Notes in Computer Science, 2019, , 484-497.	1.3	1
68	Persistence pays off: Paying Attention to What the LSTM Gating Mechanism Persists. , 2019, , .		1
69	Bigger versus Similar: Selecting a Background Corpus for First Story Detection Based on Distributional Similarity. , 2019, , .		1
70	Local Alignment of Frame of Reference Assignment in English and Swedish Dialogue. Lecture Notes in Computer Science, 2020, , 251-267.	1.3	1
71	F-Measure Optimisation and Label Regularisation for Energy-Based Neural Dialogue State Tracking Models. Lecture Notes in Computer Science, 2020, , 798-810.	1.3	1
72	Long-term trajectories of motor functional independence after ischemic stroke in young adults: Identification and characterization using inpatient baseline assessments. NeuroRehabilitation, 2022, 50, 453-465.	1.3	1

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73	Understanding the assumptions of an SEIR compartmental model using agentization and a complexity hierarchy. Journal of Computational Mathematics and Data Science, 2022, 4, 100056.	2.3	1
74	Clarification Dialogues for Perception-based Errors in Situated Human-Computer Dialogues. , 2014, , .		0
75	Scoped: Evaluating A Composite Visualisation of the Scope Chain Hierarchy Within Source Code. , 2018, , .		0
76	Automatic Acquisition of Annotated Training Corpora for Test-Code Generation. Information (Switzerland), 2019, 10, 66.	2.9	0
77	The Turning, Stretching and Boxing Technique: A Step in the Right Direction. Lecture Notes in Computer Science, 2012, , 363-369.	1.3	0
78	Tackling the Interleaving Problem in Activity Discovery. Advances in Intelligent Systems and Computing, 2018, , 313-314.	0.6	0
79	Evaluating Sequence Discovery Systems in an Abstraction-Aware Manner. IFIP Advances in Information and Communication Technology, 2018, , 261-272.	0.7	0
80	Language Model Co-occurrence Linking for Interleaved Activity Discovery. Lecture Notes in Computer Science, 2020, , 70-84.	1.3	0
81	Modelling Interleaved Activities Using Language Models. , 2020, , .		0
82	Energy-based Neural Modelling for Large-Scale Multiple Domain Dialogue State Tracking. , 2020, , .		0
83	Update Frequency and Background Corpus Selection in Dynamic TF-IDF Models for First Story Detection. Communications in Computer and Information Science, 2020, , 206-217.	0.5	0
84	Mutual Information Decay Curves and Hyper-parameter Grid Search Design for Recurrent Neural Architectures. Communications in Computer and Information Science, 2020, , 616-624.	0.5	0
85	SOCIAL EXPECTATIONS OF AI AND THE PERFORMATIVITY OF ETHICS. AoIR Selected Papers of Internet Research, 0, , .	0.0	0