

# Peter D Bruza

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

2,109  
citations

430442

18  
h-index

433756

31  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Is there something quantum-like about the human mental lexicon?. Journal of Mathematical Psychology, 2009, 53, 362-377.	1.0	167
2	Quantum cognition: a new theoretical approach to psychology. Trends in Cognitive Sciences, 2015, 19, 383-393.	4.0	144
3	Query expansion using term relationships in language models for information retrieval. , 2005, , .		122
4	Medical Semantic Similarity with a Neural Language Model. , 2014, , .		90
5	Integrating and Evaluating Neural Word Embeddings in Information Retrieval. , 2015, , .		70
6	A probabilistic framework for analysing the compositionality of conceptual combinations. Journal of Mathematical Psychology, 2015, 67, 26-38.	1.0	62
7	Introduction to the special issue on quantum cognition. Journal of Mathematical Psychology, 2009, 53, 303-305.	1.0	54
8	Web searching: A process-oriented experimental study of three interactive search paradigms. Journal of the Association for Information Science and Technology, 2002, 53, 120-133.	2.6	50
9	Stratified Hypermedia Structures for Information Disclosure. Computer Journal, 1992, 35, 208-220.	1.5	45
10	Towards a belief-revision-based adaptive and context-sensitive information retrieval system. ACM Transactions on Information Systems, 2008, 26, 1-38.	3.8	42
11	How activation, entanglement, and searching a semantic network contribute to event memory. Memory and Cognition, 2013, 41, 797-819.	0.9	39
12	A Quantum Probability Perspective on Borderline Vagueness. Topics in Cognitive Science, 2013, 5, 711-736.	1.1	38
13	The use of logic in information retrieval modelling. Knowledge Engineering Review, 1998, 13, 263-295.	2.1	35
14	Towards the Discovery of Learner Metacognition From Reflective Writing. Journal of Learning Analytics, 2016, 3, 22-36.	1.8	35
15	Information retrieval as semantic inference: a Graph Inference model applied to medical search. Information Retrieval, 2016, 19, 6-37.	1.6	33
16	Aboutness from a commonsense perspective. Journal of the Association for Information Science and Technology, 2000, 51, 1090-1105.	1.2	28
17	Utilizing Search Intent in Topic Ontology-Based User Profile for Web Mining. , 2006, , .		28
18	A two-stage text mining model for information filtering. , 2008, , .		27

#	ARTICLE	IF	CITATIONS
19	Discovering information flow using high dimensional conceptual space. , 2001, , .		22
20	Belief revision for adaptive information retrieval. , 2004, , .		21
21	An intelligent information agent for document title classification and filtering in document-intensive domains. Decision Support Systems, 2007, 44, 251-265.	3.5	21
22	Towards Operational Abduction from a Cognitive Perspective. Logic Journal of the IGPL, 2006, 14, 161-177.	1.3	20
23	Extracting Spooky-Activation-at-a-Distance from Considerations of Entanglement. Lecture Notes in Computer Science, 2009, , 71-83.	1.0	20
24	Discovery of implicit and explicit connections between people using email utterance. , 2003, , 21-40.		20
25	Application of aboutness to functional benchmarking in information retrieval. ACM Transactions on Information Systems, 2001, 19, 337-370.	3.8	19
26	Towards Semantic Search and Inference in Electronic Medical Records: an approach using concept based information retrieval. Australasian Medical Journal, 2012, 5, 482-488.	0.1	19
27	An evaluation of corpus-driven measures of medical concept similarity for information retrieval. , 2012, , .		19
28	Structural block driven enhanced convolutional neural representation for relation extraction. Applied Soft Computing Journal, 2020, 86, 105913.	4.1	19
29	Quantum-like influence diagrams for decision-making. Neural Networks, 2020, 132, 190-210.	3.3	19
30	A two-stage decision model for information filtering. Decision Support Systems, 2012, 52, 706-716.	3.5	16
31	Perceptions of document relevance. Frontiers in Psychology, 2014, 5, 612.	1.1	14
32	Graph-based concept weighting for medical information retrieval. , 2012, , .		13
33	Document Clustering Using Incremental and Pairwise Approaches. Lecture Notes in Computer Science, 2007, , 222-233.	1.0	12
34	Balanced Quantum-Like Bayesian Networks. Entropy, 2020, 22, 170.	1.1	11
35	Improving Web Service Discovery by Using Semantic Models. Lecture Notes in Computer Science, 2008, , 366-380.	1.0	11
36	Quantum Theory Beyond the Physical: Information in Context. Axiomathes, 2011, 21, 331-345.	0.3	10

#	ARTICLE	IF	CITATIONS
37	Evaluating medical information retrieval. , 2011, , .		10
38	Kernel method based on non-linear coherent states in quantum feature space. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 355301.	0.7	10
39	AN ASPECT QUERY LANGUAGE MODEL BASED ON QUERY DECOMPOSITION AND HIGH-ORDER CONTEXTUAL TERM ASSOCIATIONS. Computational Intelligence, 2012, 28, 1-23.	2.1	7
40	An Effective Approach to Verbose Queries Using a Limited Dependencies Language Model. Lecture Notes in Computer Science, 2009, , 116-127.	1.0	7
41	Syntax and operational semantics of a probabilistic programming language with scopes. Journal of Mathematical Psychology, 2016, 74, 46-57.	1.0	6
42	What makes an effective clinical query and querier?. Journal of the Association for Information Science and Technology, 2017, 68, 2557-2571.	1.5	6
43	The Quantum Inspired Modelling of Changing Attitudes and Self-organising Societies. Lecture Notes in Computer Science, 2012, , 1-12.	1.0	6
44	Is the unigram relevance model term independent?. , 2012, , .		6
45	Beyond Ontology in Information Systems. Lecture Notes in Computer Science, 2009, , 276-288.	1.0	6
46	A quantum information retrieval approach to memory. , 2012, , .		5
47	Transepistemic abduction: reasoning across epistemic domains. Logic Journal of the IGPL, 2020, , .	1.3	5
48	Towards a quantum-like cognitive architecture for decision-making. Behavioral and Brain Sciences, 2020, 43, e17.	0.4	5
49	Quantum-Like Structure in Multidimensional Relevance Judgements. Lecture Notes in Computer Science, 2020, , 728-742.	1.0	5
50	Semantic space: Bridging the divide between cognitive science, information processing technology and quantum mechanics. , 2008, , .		4
51	Automatic query expansion: A structural linguistic perspective. Journal of the Association for Information Science and Technology, 2014, 65, 1577-1596.	1.5	4
52	On the Irrationality of Being in Two Minds. Entropy, 2020, 22, 174.	1.1	4
53	Text Based Knowledge Discovery with Information Flow Analysis. Lecture Notes in Computer Science, 2006, , 692-701.	1.0	4
54	Pattern Mining for a Two-Stage Information Filtering System. Lecture Notes in Computer Science, 2011, , 363-374.	1.0	4

#	ARTICLE	IF	CITATIONS
55	Pattern Taxonomy Mining for Information Filtering. Lecture Notes in Computer Science, 2008, , 416-422.	1.0	4
56	Facilitating Query Decomposition in Query Language Modeling by Association Rule Mining Using Multiple Sliding Windows. , 2008, , 334-345.		4
57	Maxi-Adjustment and Possibilistic Deduction for Adaptive Information Agents. Journal of Applied Non-Classical Logics, 2001, 11, 169-201.	0.4	3
58	Two-Stage Model for Information Filtering. , 2008, , .		3
59	Inducing Shades of Meaning by Matrix Methods : A First Step Towards Thematic Analysis of Opinion. , 2009, , .		3
60	Learning Domain-Specific Sentiment Lexicons for Predicting Product Sales. , 2011, , .		3
61	How everyday language can and will boost effective information retrieval. Journal of the Association for Information Science and Technology, 2015, 66, 1546-1558.	1.5	3
62	Modelling Word Activation in Semantic Networks: Three Scaled Entanglement Models Compared. Lecture Notes in Computer Science, 2012, , 172-183.	1.0	3
63	Modelling Dynamic Interactions Between Relevance Dimensions. , 2019, , .		3
64	Concept Induction via Fuzzy C-means Clustering in a High-dimensional Semantic Space. , 0, , 393-403.		2
65	Nonseparability of Shared Intentionality. Lecture Notes in Computer Science, 2009, , 211-224.	1.0	2
66	Generalising Unitary Time Evolution. Lecture Notes in Computer Science, 2009, , 17-28.	1.0	2
67	Understanding Individual Experiences of Chronic Illness with Semantic Space Models of Electronic Discussions. Proceedings of the IEEE Symposium on Computer-Based Medical Systems, 2007, , .	0.0	1
68	Quantum Theory-Inspired Search. Procedia Computer Science, 2011, 7, 278-280.	1.2	1
69	A tensor encoding model for semantic processing. , 2012, , .		1
70	Term associations in query expansion. , 2013, , .		1
71	Reinforcing Trust in Autonomous Systems: A Quantum Cognitive Approach. Studies in Systems, Decision and Control, 2018, , 215-224.	0.8	1
72	Modelling contextuality by probabilistic programs with hypergraph semantics. Theoretical Computer Science, 2018, 752, 56-70.	0.5	1

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73	Evaluating probabilistic programming languages for simulating quantum correlations. PLoS ONE, 2019, 14, e0208555.	1.1	1
74	Optimization of an Integrated Model for Automatic Reduction and Expansion of Long Queries. Lecture Notes in Computer Science, 2013, , 133-144.	1.0	1
75	Are Decisions of Image Trustworthiness Contextual? A Pilot Study. Lecture Notes in Computer Science, 2019, , 39-50.	1.0	1
76	Non-compositional concepts and quantum tests. , 2012, , .		0
77	Large scale multiuser digital mind mapping tool. , 2014, , .		0
78	Bistable probabilities: a unified framework for studying rationality and irrationality in classical and quantum games. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20190839.	1.0	0
79	A Two-stage Information Filtering Based on Rough Decision Rule and Pattern Mining. Journal of Emerging Technologies in Web Intelligence, 2010, 2, .	0.6	0
80	Interference in Text Categorisation Experiments. Lecture Notes in Computer Science, 2014, , 22-33.	1.0	0
81	Interference in Text Categorisation Experiments. Lecture Notes in Computer Science, 2014, , 22-33.	1.0	0
82	Modelling Cued-Target Recall Using Quantum Inspired Models of Target Activation. Lecture Notes in Computer Science, 2016, , 258-271.	1.0	0
83	An Extension of Combinatorial Contextuality for Cognitive Protocols. Frontiers in Psychology, 2022, 13, .	1.1	0