

Dedre Gentner

List of Publications by Year in descending order

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128
papers

21,581
citations

20815

60
h-index

19747

117
g-index

131
all docs

131
docs citations

131
times ranked

5932
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-Mapping: A Theoretical Framework for Analogy*. Cognitive Science, 1983, 7, 155-170.	1.7	3,384
2	Structure mapping in analogy and similarity.. American Psychologist, 1997, 52, 45-56.	4.2	1,145
3	The structure-mapping engine: Algorithm and examples. Artificial Intelligence, 1989, 41, 1-63.	5.8	1,095
4	The Career of Metaphor.. Psychological Review, 2005, 112, 193-216.	3.8	903
5	Respects for similarity.. Psychological Review, 1993, 100, 254-278.	3.8	857
6	The mechanisms of analogical learning. , 1989, , 199-241.		686
7	Learning and transfer: A general role for analogical encoding.. Journal of Educational Psychology, 2003, 95, 393-408.	2.9	640
8	Metaphor as Structure Mapping: The Relational Shift. Child Development, 1988, 59, 47.	3.0	500
9	Individuation, relativity, and early word learning. , 2001, , 215-256.		462
10	Similarity and the development of rules. Cognition, 1998, 65, 263-297.	2.2	428
11	Bootstrapping the Mind: Analogical Processes and Symbol Systems. Cognitive Science, 2010, 34, 752-775.	1.7	407
12	MAC/FAC: A Model of Similarity-Based Retrieval. Cognitive Science, 1995, 19, 141-205.	1.7	383
13	Relational language and the development of relational mapping. Cognitive Psychology, 2005, 50, 315-353.	2.2	376
14	Relational similarity and the nonindependence of features in similarity judgments. Cognitive Psychology, 1991, 23, 222-262.	2.2	371
15	Systematicity and Surface Similarity in the Development of Analogy. Cognitive Science, 1986, 10, 277-300.	1.7	352
16	Structural Alignment in Comparison: No Difference Without Similarity. Psychological Science, 1994, 5, 152-158.	3.3	326
17	On Relational Meaning: The Acquisition of Verb Meaning. Child Development, 1978, 49, 988.	3.0	313
18	As time goes by: Evidence for two systems in processing space â†’ time metaphors. Language and Cognitive Processes, 2002, 17, 537-565.	2.2	298

#	ARTICLE	IF	CITATIONS
19	Comparison and Categorization in the Development of Relational Similarity. <i>Child Development</i> , 1996, 67, 2797-2822.	3.0	295
20	Comparison in the Development of Categories. <i>Cognitive Development</i> , 1999, 14, 487-513.	1.3	295
21	More evidence for a relational shift in the development of analogy: Children's performance on a causal-mapping task. <i>Cognitive Development</i> , 1998, 13, 453-478.	1.3	270
22	Making a silk purse out of two sow's ears: Young children's use of comparison in category learning.. <i>Journal of Experimental Psychology: General</i> , 2002, 131, 5-15.	2.1	260
23	Language and the career of similarity. , 1991, , 225-277.		255
24	Children's theories of word meaning: The role of shape similarity in early acquisition. <i>Cognitive Development</i> , 1994, 9, 45-75.	1.3	249
25	Comparison and Categorization in the Development of Relational Similarity. <i>Child Development</i> , 1996, 67, 2797.	3.0	242
26	Analogical Reasoning and Conceptual Change: A Case Study of Johannes Kepler. <i>Journal of the Learning Sciences</i> , 1997, 6, 3-40.	2.9	236
27	Analogical encoding facilitates knowledge transfer in negotiation. <i>Psychonomic Bulletin and Review</i> , 1999, 6, 586-597.	2.8	206
28	Avoiding Missed Opportunities in Managerial Life: Analogical Training More Powerful Than Individual Case Training. <i>Organizational Behavior and Human Decision Processes</i> , 2000, 82, 60-75.	2.5	204
29	Learning by Analogical Bootstrapping. <i>Journal of the Learning Sciences</i> , 2001, 10, 417-446.	2.9	203
30	Convention, Form, and Figurative Language Processing. <i>Metaphor and Symbol</i> , 2001, 16, 223-247.	1.0	197
31	Reasoning and learning by analogy: Introduction.. <i>American Psychologist</i> , 1997, 52, 32-34.	4.2	195
32	The evolution of mental metaphors in psychology: A 90-year retrospective.. <i>American Psychologist</i> , 1985, 40, 181-192.	4.2	187
33	Reviving Inert Knowledge: Analogical Abstraction Supports Relational Retrieval of Past Events. <i>Cognitive Science</i> , 2009, 33, 1343-1382.	1.7	186
34	Similarity Involving Attributes and Relations: Judgments of Similarity and Difference Are Not Inverses. <i>Psychological Science</i> , 1990, 1, 64-69.	3.3	181
35	Commonalities and differences in similarity comparisons. <i>Memory and Cognition</i> , 1996, 24, 235-249.	1.6	171
36	Metaphor as Structure-Mapping. , 2008, , 109-128.		165

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37	Relations, Objects, and the Composition of Analogies. <i>Cognitive Science</i> , 2006, 30, 609-642.	1.7	163
38	Spatial Mapping in Preschoolers: Close Comparisons Facilitate Far Mappings. <i>Journal of Cognition and Development</i> , 2001, 2, 189-219.	1.3	155
39	Where Hypotheses Come From: Learning New Relations by Structural Alignment. <i>Journal of Cognition and Development</i> , 2010, 11, 356-373.	1.3	154
40	Alignment in the Processing of Metaphor. <i>Journal of Memory and Language</i> , 1997, 37, 331-355.	2.1	147
41	Analogical Processes in Language Learning. <i>Current Directions in Psychological Science</i> , 2006, 15, 297-301.	5.3	143
42	Systematicity as a selection constraint in analogical mapping. <i>Cognitive Science</i> , 1991, 15, 89-132.	1.7	142
43	Structure Mapping in the Comparison Process. <i>American Journal of Psychology</i> , 2000, 113, 501.	0.3	135
44	Thinking. <i>Annual Review of Psychology</i> , 2001, 52, 223-247.	17.7	134
45	Computational models of analogy. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2011, 2, 266-276.	2.8	126
46	Analogical Learning in Negotiation Teams: Comparing Cases Promotes Learning and Transfer. <i>Academy of Management Learning and Education</i> , 2003, 2, 119-127.	2.5	125
47	Structure Mapping and Relational Language Support Children's Learning of Relational Categories. <i>Child Development</i> , 2011, 82, 1173-1188.	3.0	124
48	Why Verbs Are Hard to Learn. , 2006, , 544-564.		121
49	The Effects of Alignability on Memory. <i>Psychological Science</i> , 1997, 8, 363-367.	3.3	118
50	Nonintentional analogical inference in text comprehension. <i>Memory and Cognition</i> , 2007, 35, 39-49.	1.6	116
51	Informativity and Asymmetry in Comparisons. <i>Cognitive Psychology</i> , 1997, 34, 244-286.	2.2	96
52	Structural alignment facilitates the noticing of differences. <i>Memory and Cognition</i> , 2001, 29, 565-577.	1.6	93
53	Language Helps Children Succeed on a Classic Analogy Task. <i>Cognitive Science</i> , 2014, 38, 383-397.	1.7	93
54	Extending SME to Handle Large-Scale Cognitive Modeling. <i>Cognitive Science</i> , 2017, 41, 1152-1201.	1.7	92

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55	Analogy and Abstraction. Topics in Cognitive Science, 2017, 9, 672-693.	1.9	87
56	Relational categories.. , 0, , 151-175.		86
57	Comparison Facilitates Children's Learning of Names for Parts. Journal of Cognition and Development, 2007, 8, 285-307.	1.3	85
58	Structure-Mapping in Metaphor Comprehension. Cognitive Science, 2011, 35, 1456-1488.	1.7	85
59	Spatial language facilitates spatial cognition: Evidence from children who lack language input. Cognition, 2013, 127, 318-330.	2.2	80
60	Do iconic gestures pave the way for children's early verbs?. Applied Psycholinguistics, 2014, 35, 1143-1162.	1.1	80
61	Verb semantic structures in memory for sentences: Evidence for componential representation. Cognitive Psychology, 1981, 13, 56-83.	2.2	75
62	Analogy just looks like high level perception: why a domain-general approach to analogical mapping is right. Journal of Experimental and Theoretical Artificial Intelligence, 1998, 10, 231-257.	2.8	73
63	Prelinguistic Relational Concepts: Investigating Analogical Processing in Infants. Child Development, 2015, 86, 1386-1405.	3.0	73
64	Making a silk purse out of two sow's ears: Young children's use of comparison in category learning.. Journal of Experimental Psychology: General, 2002, 131, 5-15.	2.1	70
65	Studies of inference from lack of knowledge. Memory and Cognition, 1981, 9, 434-443.	1.6	66
66	Evidence for Relational Selectivity in the Interpretation of Analogy and Metaphor. Psychology of Learning and Motivation - Advances in Research and Theory, 1988, 22, 307-358.	1.1	66
67	Language as cognitive tool kit: How language supports relational thought.. American Psychologist, 2016, 71, 650-657.	4.2	66
68	On the acquisition of abstract knowledge: Structural alignment and explication in learning causal system categories. Cognition, 2015, 137, 137-153.	2.2	62
69	Analogy in Scientific Discovery: The Case of Johannes Kepler. , 2002, , 21-39.		59
70	The Verb Mutability Effect: Studies of the Combinatorial Semantics of Nouns and Verbs. , 1988, , 343-382.		58
71	Commentary: Analogical Thinking in Geoscience Education. Journal of Geoscience Education, 2010, 58, 2-13.	1.4	57
72	The role of comparison in preschoolers's novel object categorization. Journal of Experimental Child Psychology, 2010, 107, 280-290.	1.4	54

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73	What Difference Reveals About Similarity. <i>Cognitive Science</i> , 2012, 36, 1019-1050.	1.7	54
74	Causal Systems Categories: Differences in Novice and Expert Categorization of Causal Phenomena. <i>Cognitive Science</i> , 2012, 36, 919-932.	1.7	53
75	Rapid Learning in a Children's Museum via Analogical Comparison. <i>Cognitive Science</i> , 2016, 40, 224-240.	1.7	53
76	Mutual bootstrapping between language and analogical processing. <i>Language and Cognition</i> , 2010, 2, 261-283.	0.6	50
77	Psychology in Cognitive Science: 1978-2038. <i>Topics in Cognitive Science</i> , 2010, 2, 328-344.	1.9	50
78	Comparison promotes learning and transfer of relational categories.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2013, 39, 1303-1310.	0.9	44
79	Drawing on Experience: How Domain Knowledge Is Reflected in Sketches of Scientific Structures and Processes. <i>Research in Science Education</i> , 2014, 44, 859-883.	2.3	42
80	Sensitivity to Relational Similarity and Object Similarity in Apes and Children. <i>Current Biology</i> , 2016, 26, 531-535.	3.9	39
81	Finding faults: analogical comparison supports spatial concept learning in geoscience. <i>Cognitive Processing</i> , 2013, 14, 175-187.	1.4	35
82	Spatial language influences memory for spatial scenes. <i>Memory and Cognition</i> , 2007, 35, 283-296.	1.6	31
83	Metaphoric extension, relational categories, and abstraction. <i>Language, Cognition and Neuroscience</i> , 2019, 34, 1298-1307.	1.2	31
84	Semantic constraints on lexical categories. <i>Language and Cognitive Processes</i> , 1990, 5, 169-201.	2.2	27
85	Relational language supports relational cognition in humans and apes. <i>Behavioral and Brain Sciences</i> , 2008, 31, 136-137.	0.7	27
86	Detecting anomalous features in complex stimuli: The role of structured comparison.. <i>Journal of Experimental Psychology: Applied</i> , 2013, 19, 219-232.	1.2	27
87	Resistance is futile: The unwitting insertion of analogical inferences in memory. <i>Psychonomic Bulletin and Review</i> , 2005, 12, 696-702.	2.8	26
88	Comparison within pairs promotes analogical abstraction in three-month-olds. <i>Cognition</i> , 2018, 176, 74-86.	2.2	26
89	Relational Categories are More Mutable than Entity Categories. <i>Quarterly Journal of Experimental Psychology</i> , 2017, 70, 2007-2025.	1.1	23
90	Analogical processes in children's understanding of spatial representations.. <i>Developmental Psychology</i> , 2017, 53, 1098-1114.	1.6	23

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91	Does language about similarity play a role in fostering similarity comparison in children?. <i>Cognition</i> , 2009, 112, 217-228.	2.2	22
92	Effects of Language and Similarity on Comparison Processing. <i>Language Learning and Development</i> , 2009, 5, 147-171.	1.4	21
93	Generating explanations via analogical comparison. <i>Psychonomic Bulletin and Review</i> , 2017, 24, 1364-1374.	2.8	21
94	Developmental changes in children's understanding of the similarity between photographs and their referents. <i>Developmental Science</i> , 2008, 11, 156-170.	2.4	20
95	Relational labeling unlocks inert knowledge. <i>Cognition</i> , 2020, 196, 104146.	2.2	20
96	Lessons from Analogical Reasoning in the Teaching of Negotiation. <i>Negotiation Journal</i> , 1999, 15, 363-371.	0.5	19
97	Using analogical mapping to simulate time-course phenomena in perceptual similarity. <i>Cognitive Systems Research</i> , 2009, 10, 216-228.	2.7	19
98	Explanation recruits comparison in a category-learning task. <i>Cognition</i> , 2019, 185, 21-38.	2.2	19
99	Three perspectives on writing. <i>Educational Psychologist</i> , 1982, 17, 131-145.	9.0	18
100	Auditory presentation leads to better analogical retrieval than written presentation. <i>Psychonomic Bulletin and Review</i> , 2007, 14, 1101-1106.	2.8	18
101	Finding the middle: Spatial language and spatial reasoning. <i>Cognitive Development</i> , 2019, 50, 177-194.	1.3	18
102	Spatial cognition in apes and humans. <i>Trends in Cognitive Sciences</i> , 2007, 11, 192-194.	7.8	17
103	Cognitive Science Is and Should Be Pluralistic. <i>Topics in Cognitive Science</i> , 2019, 11, 884-891.	1.9	17
104	Integrating verb meanings into context. <i>Discourse Processes</i> , 1981, 4, 349-375.	1.8	15
105	Learning same and different relations: cross-species comparisons. <i>Current Opinion in Behavioral Sciences</i> , 2021, 37, 84-89.	3.9	14
106	Spatial alignment facilitates visual comparison.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020, 46, 443-457.	0.9	14
107	Spatial analogies pervade complex relational reasoning: Evidence from spontaneous gestures. <i>Cognitive Research: Principles and Implications</i> , 2016, 1, 28.	2.0	12
108	The career of measurement. <i>Cognition</i> , 2019, 191, 103942.	2.2	12

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109	Deep thinking in children: The case for knowledge change in analogical development. Behavioral and Brain Sciences, 1998, 21, 837-838.	0.7	9
110	Wellâ€Hidden Regularities: Abstract Uses of in and on Retain an Aspect of Their Spatial Meaning. Cognitive Science, 2015, 39, 1881-1911.	1.7	9
111	The origins of same/different discrimination in human infants. Current Opinion in Behavioral Sciences, 2021, 37, 69-74.	3.9	6
112	Using Spatial Analogy to Facilitate Graph Learning. Lecture Notes in Computer Science, 2012, , 196-209.	1.3	6
113	Analogy Generation in Science Experts and Novices. Cognitive Science, 2021, 45, e13036.	1.7	5
114	On apples and oranges : structure mapping in standard selection. Journal of Cognitive Science, 2007, 8, 1-35.	0.2	5
115	Remembering Causal Systems: Effects of Systematicity and Surface Similarity in Delayed Transfer. Proceedings of the Human Factors Society Annual Meeting, 1988, 32, 1271-1275.	0.1	4
116	Similarity-based cognitive architecture. ACM SIGART Bulletin, 1991, 2, 66-69.	0.5	4
117	Structure-Mapping Processes Enable Infantsâ€™ Learning Across Domains Including Language. , 2020, , 79-104.		4
118	Efforts to Encourage Multidisciplinarity in the Cognitive Science Society. Cognitive Science, 1998, 22, 131-132.	1.7	3
119	Language and analogy in conceptual change. Behavioral and Brain Sciences, 2011, 34, 128-129.	0.7	3
120	Analogical Comparison Promotes Theoryâ€ofâ€Mind Development. Cognitive Science, 2020, 44, e12891.	1.7	3
121	Mechanisms of Spatial Learning: Teaching Children Geometric Categories. Lecture Notes in Computer Science, 2014, , 325-337.	1.3	3
122	Evidence from machines that learn and think like people. Behavioral and Brain Sciences, 2017, 40, e264.	0.7	2
123	Perceptual alignment contributes to referential transparency in indirect learning. Cognition, 2022, 224, 105061.	2.2	2
124	Verb Metaphoric Extension Under Semantic Strain. Cognitive Science, 2022, 46, e13141.	1.7	2
125	Review of Holyoak & Thagard (1995): Mental Leaps: Analogy in Creative Thought. Pragmatics and Cognition, 1996, 4, 407-409.	0.4	1
126	Exhuming similarity. Behavioral and Brain Sciences, 2001, 24, 669-669.	0.7	1

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127	Introduction to the special issue on spatial learning and reasoning processes. <i>Cognitive Processing</i> , 2013, 14, 103-104.	1.4	1
128	No evidence for language benefits in infant relational learning. , 2022, 66, 101666.		1