

Barbara Tversky

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

11,605
citations

66343

42
h-index

54911

84
g-index

102
all docs

102
docs citations

102
times ranked

5324
citing authors

#	ARTICLE	IF	CITATIONS
1	Thinking Tools: Gestures Change Thought About Time. Topics in Cognitive Science, 2021, 13, 750-776.	1.9	4
2	Changing Perspective: Building Creative Mindsets. Cognitive Science, 2020, 44, e12820.	1.7	6
3	The kinematics that you do not expect: Integrating prior information and kinematics to understand intentions. Cognition, 2019, 182, 213-219.	2.2	32
4	Lines and Boxes: The Geometry of Thought. The Frontiers Collection, 2019, , 247-251.	0.2	0
5	Gestures can create diagrams (that are neither imagistic nor analog). Behavioral and Brain Sciences, 2017, 40, e73.	0.7	2
6	When Far Becomes Near. Psychological Science, 2017, 28, 69-79.	3.3	28
7	From hands to minds: Gestures promote understanding. Cognitive Research: Principles and Implications, 2016, 1, 4.	2.0	28
8	The Cognitive Design of Tools of Thought. Review of Philosophy and Psychology, 2015, 6, 99-116.	1.8	30
9	Coordinating Gesture, Word, and Diagram: Explanations for Experts and Novices. Spatial Cognition and Computation, 2015, 15, 1-26.	1.2	25
10	Affording Design, Affording Redesign. , 2015, , 91-102.		1
11	On Abstraction and Ambiguity. , 2015, , 215-223.		7
12	Thinking in action. Pragmatics and Cognition, 2014, 22, 206-223.	0.4	13
13	Conceptually congruent actions can promote thought.. Journal of Applied Research in Memory and Cognition, 2014, 3, 124-130.	1.1	24
14	Visualizing Thought. , 2014, , 3-40.		19
15	Cognitive tools shape thought: diagrams in design. Cognitive Processing, 2013, 14, 255-272.	1.4	17
16	Space, Time, and Story. Psychology of Learning and Motivation - Advances in Research and Theory, 2013, , 47-76.	1.1	4
17	Event Perception. , 2013, , .		8
18	Through your eyes: incongruence of gaze and action increases spontaneous perspective taking. Frontiers in Human Neuroscience, 2013, 7, 455.	2.0	30

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19	Quick viewpoint switching for manipulating virtual objects in hand-held augmented reality using stored snapshots. , 2012, , .		25
20	How to put things together. Cognitive Processing, 2012, 13, 303-319.	1.4	14
21	Remembering Routes: Streets and Landmarks. Applied Cognitive Psychology, 2012, 26, 182-193.	1.6	28
22	Representing Category and Continuum: Visualizing Thought. Lecture Notes in Computer Science, 2012, , 23-34.	1.3	7
23	Structure, Space and Time: Some Ways That Diagrams Affect Inferences in a Planning Task. Lecture Notes in Computer Science, 2012, , 277-290.	1.3	2
24	Visualizing Thought. Topics in Cognitive Science, 2011, 3, 499-535.	1.9	243
25	Spatial thought, social thought. , 2011, , 17-38.		11
26	Visualizing space, time, and agents: production, performance, and preference. Cognitive Processing, 2011, 12, 43-52.	1.4	21
27	The shape of action.. Journal of Experimental Psychology: General, 2011, 140, 586-604.	2.1	99
28	A fix for fixation? Rerepresenting and abstracting as creative processes in the design of information systems. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2010, 24, 231-244.	1.1	58
29	Discovering Perceptions of Personal Social Networks through Diagrams. Lecture Notes in Computer Science, 2010, , 352-354.	1.3	3
30	Embodied and disembodied cognition: Spatial perspective-taking. Cognition, 2009, 110, 124-129.	2.2	293
31	Putting motor resonance in perspective. Cognition, 2008, 106, 1195-1220.	2.2	10
32	Diagrams as Tools in the Design of Information Systems. , 2008, , 103-122.		4
33	Transforming Descriptions and Diagrams to Sketches in Information System Design. Lecture Notes in Computer Science, 2008, , 242-256.	1.3	3
34	Cognitive Methods for Visualizing Space, Time, and Agents. Lecture Notes in Computer Science, 2008, , 382-384.	1.3	1
35	Perspective taking promotes action understanding and learning.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 1405-1421.	0.9	27
36	Hierarchical encoding of behavior: Translating perception into action.. Journal of Experimental Psychology: General, 2006, 135, 588-608.	2.1	30

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37	Making sense of abstract events: Building event schemas. <i>Memory and Cognition</i> , 2006, 34, 1221-1235.	1.6	120
38	Arrows in Comprehending and Producing Mechanical Diagrams. <i>Cognitive Science</i> , 2006, 30, 581-592.	1.7	119
39	Bodies and their parts. <i>Memory and Cognition</i> , 2005, 33, 696-709.	1.6	14
40	Functional Significance of Visuospatial Representations. , 2005, , 1-34.		78
41	Interplay Between Visual and Spatial: The Effect of Landmark Descriptions on Comprehension of Route/Survey Spatial Descriptions. <i>Spatial Cognition and Computation</i> , 2005, 5, 163-185.	1.2	22
42	Multiple Systems for Spatial Imagery: Transformations of Objects and Bodies. <i>Spatial Cognition and Computation</i> , 2005, 5, 271-306.	1.2	68
43	Interplay Between Visual and Spatial: The Effect of Landmark Descriptions on Comprehension of Route/Survey Spatial Descriptions. <i>Spatial Cognition and Computation</i> , 2005, 5, 163-185.	1.2	39
44	Prolegomenon to Scientific Visualizations. , 2005, , 29-42.		24
45	Expert and Non-expert Knowledge of Loosely Structured Environments. <i>Lecture Notes in Computer Science</i> , 2005, , 363-378.	1.3	7
46	Characterizing Diagrams Produced by Individuals and Dyads. <i>Lecture Notes in Computer Science</i> , 2005, , 214-226.	1.3	6
47	Narratives of Space, Time, and Life. <i>Mind and Language</i> , 2004, 19, 380-392.	2.3	45
48	Events by Hands and Feet. <i>Spatial Cognition and Computation</i> , 2004, 4, 5-14.	1.2	15
49	Designing effective step-by-step assembly instructions. <i>ACM Transactions on Graphics</i> , 2003, 22, 828-837.	7.2	139
50	Structures Of Mental Spaces. <i>Environment and Behavior</i> , 2003, 35, 66-80.	4.7	190
51	Navigating by Mind and by Body. <i>Lecture Notes in Computer Science</i> , 2003, , 1-10.	1.3	25
52	Descriptions of Simple Spatial Scenes in English and Japanese. <i>Spatial Cognition and Computation</i> , 2003, 3, 3-42.	1.2	105
53	Structuring information interfaces for procedural learning.. <i>Journal of Experimental Psychology: Applied</i> , 2003, 9, 88-100.	1.2	57
54	Sketches for Design and Design of Sketches. , 2003, , 79-86.		35

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55	External Representations Contribute to the Dynamic Construction of Ideas. Lecture Notes in Computer Science, 2002, , 341-343.	1.3	36
56	Spatial perspective choice in ASL. Sign Language and Linguistics (Online), 2002, 5, 3-26.	0.5	16
57	On bodies and events. , 2002, , 221-232.		9
58	Animation: can it facilitate?. International Journal of Human Computer Studies, 2002, 57, 247-262.	5.6	1,183
59	How do Designers Shift their Focus of Attention in their Own Sketches?. , 2002, , 241-254.		8
60	Spatial Cognition. , 2001, , 201-216.		27
61	Perceiving, remembering, and communicating structure in events.. Journal of Experimental Psychology: General, 2001, 130, 29-58.	2.1	541
62	Event structure in perception and conception.. Psychological Bulletin, 2001, 127, 3-21.	6.1	935
63	Using space to describe space: Perspective in speech, sign, and gesture. Spatial Cognition and Computation, 2000, 2, 157-180.	1.2	99
64	Lines, Blobs, Crosses and Arrows: Diagrammatic Communication with Schematic Figures. Lecture Notes in Computer Science, 2000, , 221-230.	1.3	106
65	Some Ways that Maps and Diagrams Communicate. Lecture Notes in Computer Science, 2000, , 72-79.	1.3	45
66	11 Mental models of spatial relations and transformations from language. Advances in Psychology, 1999, , 239-258.	0.1	40
67	Three Spaces of Spatial Cognition. Professional Geographer, 1999, 51, 516-524.	1.8	57
68	Bars and lines: A study of graphic communication. Memory and Cognition, 1999, 27, 1073-1079.	1.6	203
69	Why do speakers mix perspectives?. Spatial Cognition and Computation, 1999, 1, 399-412.	1.2	111
70	Cognitive models of geographical space. International Journal of Geographical Information Science, 1999, 13, 747-774.	4.8	179
71	Imagined transformations of bodies: an fMRI investigation. Neuropsychologia, 1999, 37, 1029-1040.	1.6	258
72	Mental representations of perspective and spatial relations from diagrams and models.. Journal of Experimental Psychology: Learning Memory and Cognition, 1999, 25, 137-156.	0.9	122

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73	Ontology and Geographic Objects: An Empirical Study of Cognitive Categorization. Lecture Notes in Computer Science, 1999, , 283-298.	1.3	62
74	Pictorial and Verbal Tools for Conveying Routes. Lecture Notes in Computer Science, 1999, , 51-64.	1.3	125
75	How Space Structures Language. Lecture Notes in Computer Science, 1998, , 157-175.	1.3	114
76	Distortions in visual memory: Reply to Engebretson and Huttenlocher (1996).. Journal of Experimental Psychology: General, 1997, 126, 312-314.	2.1	0
77	Indexing Events in Memory: Evidence for Index Dominance. Memory, 1997, 5, 509-542.	1.7	39
78	What do architects and students perceive in their design sketches? A protocol analysis. Design Studies, 1997, 18, 385-403.	3.1	450
79	Perspective in Spatial Descriptions. Journal of Memory and Language, 1996, 35, 371-391.	2.1	330
80	Spatial Concepts and Perception of Physical and Diagrammed Scenes. Perceptual and Motor Skills, 1995, 81, 531-546.	1.3	12
81	Cognitive Origins of Graphic Productions. , 1995, , 29-53.		40
82	SPATIAL CONCEPTS AND PERCEPTION OF PHYSICAL AND DIAGRAMMED SCENES. Perceptual and Motor Skills, 1995, 81, 531-546.	1.3	9
83	Spatial mental models from descriptions. Journal of the Association for Information Science and Technology, 1994, 45, 656-668.	1.0	18
84	Cognitive maps, cognitive collages, and spatial mental models. Lecture Notes in Computer Science, 1993, , 14-24.	1.3	310
85	Prepositions aren't places. Behavioral and Brain Sciences, 1993, 16, 252-253.	0.7	1
86	SOME CHALLENGES FOR A COMPUTATIONAL THEORY OF IMAGERY. Computational Intelligence, 1993, 9, 362-365.	3.2	0
87	Assessing spatial frameworks with object and direction probes. Bulletin of the Psychonomic Society, 1992, 30, 29-32.	0.2	20
88	Spatial mental models derived from survey and route descriptions. Journal of Memory and Language, 1992, 31, 261-292.	2.1	473
89	Distortions in cognitive maps. Geoforum, 1992, 23, 131-138.	2.5	224
90	Descriptions and depictions of environments. Memory and Cognition, 1992, 20, 483-496.	1.6	244

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91	Switching points of view in spatial mental models. <i>Memory and Cognition</i> , 1992, 20, 507-518.	1.6	139
92	Structure and strategy in encoding simplified graphs. <i>Memory and Cognition</i> , 1992, 20, 12-20.	1.6	56
93	Cross-cultural and developmental trends in graphic productions. <i>Cognitive Psychology</i> , 1991, 23, 515-557.	2.2	421
94	Spatial Mental Models. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 1991, 27, 109-145.	1.1	89
95	Searching imagined environments.. <i>Journal of Experimental Psychology: General</i> , 1990, 119, 63-76.	2.1	498
96	Parts, partonomies, and taxonomies.. <i>Developmental Psychology</i> , 1989, 25, 983-995.	1.6	97
97	Perceptual and conceptual factors in distortions in memory for graphs and maps.. <i>Journal of Experimental Psychology: General</i> , 1989, 118, 387-398.	2.1	154
98	Cognitive constraints on ordering operations: The case of geometric analogies.. <i>Journal of Experimental Psychology: General</i> , 1987, 116, 50-67.	2.1	29
99	Objects, parts, and categories.. <i>Journal of Experimental Psychology: General</i> , 1984, 113, 169-193.	2.1	590
100	Categories of environmental scenes. <i>Cognitive Psychology</i> , 1983, 15, 121-149.	2.2	266
101	Distortions in memory for maps. <i>Cognitive Psychology</i> , 1981, 13, 407-433.	2.2	555