

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	Animation: can it facilitate?. <i>International Journal of Human Computer Studies</i> , 2002, 57, 247-262.	5.6	1,183
2	Event structure in perception and conception.. <i>Psychological Bulletin</i> , 2001, 127, 3-21.	6.1	935
3	Objects, parts, and categories.. <i>Journal of Experimental Psychology: General</i> , 1984, 113, 169-193.	2.1	590
4	Distortions in memory for maps. <i>Cognitive Psychology</i> , 1981, 13, 407-433.	2.2	555
5	Perceiving, remembering, and communicating structure in events.. <i>Journal of Experimental Psychology: General</i> , 2001, 130, 29-58.	2.1	541
6	Searching imagined environments.. <i>Journal of Experimental Psychology: General</i> , 1990, 119, 63-76.	2.1	498
7	Spatial mental models derived from survey and route descriptions. <i>Journal of Memory and Language</i> , 1992, 31, 261-292.	2.1	473
8	What do architects and students perceive in their design sketches? A protocol analysis. <i>Design Studies</i> , 1997, 18, 385-403.	3.1	450
9	Cross-cultural and developmental trends in graphic productions. <i>Cognitive Psychology</i> , 1991, 23, 515-557.	2.2	421
10	Perspective in Spatial Descriptions. <i>Journal of Memory and Language</i> , 1996, 35, 371-391.	2.1	330
11	Cognitive maps, cognitive collages, and spatial mental models. <i>Lecture Notes in Computer Science</i> , 1993, , 14-24.	1.3	310
12	Embodied and disembodied cognition: Spatial perspective-taking. <i>Cognition</i> , 2009, 110, 124-129.	2.2	293
13	Categories of environmental scenes. <i>Cognitive Psychology</i> , 1983, 15, 121-149.	2.2	266
14	Imagined transformations of bodies: an fMRI investigation. <i>Neuropsychologia</i> , 1999, 37, 1029-1040.	1.6	258
15	Descriptions and depictions of environments. <i>Memory and Cognition</i> , 1992, 20, 483-496.	1.6	244
16	Visualizing Thought. <i>Topics in Cognitive Science</i> , 2011, 3, 499-535.	1.9	243
17	Distortions in cognitive maps. <i>Geoforum</i> , 1992, 23, 131-138.	2.5	224
18	Bars and lines: A study of graphic communication. <i>Memory and Cognition</i> , 1999, 27, 1073-1079.	1.6	203

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19	Structures Of Mental Spaces. Environment and Behavior, 2003, 35, 66-80.	4.7	190
20	Cognitive models of geographical space. International Journal of Geographical Information Science, 1999, 13, 747-774.	4.8	179
21	Perceptual and conceptual factors in distortions in memory for graphs and maps.. Journal of Experimental Psychology: General, 1989, 118, 387-398.	2.1	154
22	Switching points of view in spatial mental models. Memory and Cognition, 1992, 20, 507-518.	1.6	139
23	Designing effective step-by-step assembly instructions. ACM Transactions on Graphics, 2003, 22, 828-837.	7.2	139
24	Pictorial and Verbal Tools for Conveying Routes. Lecture Notes in Computer Science, 1999, , 51-64.	1.3	125
25	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
26	Making sense of abstract events: Building event schemas. Memory and Cognition, 2006, 34, 1221-1235.	1.6	120
27	Arrows in Comprehending and Producing Mechanical Diagrams. Cognitive Science, 2006, 30, 581-592.	1.7	119
28	How Space Structures Language. Lecture Notes in Computer Science, 1998, , 157-175.	1.3	114
29	Why do speakers mix perspectives?. Spatial Cognition and Computation, 1999, 1, 399-412.	1.2	111
30	Lines, Blobs, Crosses and Arrows: Diagrammatic Communication with Schematic Figures. Lecture Notes in Computer Science, 2000, , 221-230.	1.3	106
31	Descriptions of Simple Spatial Scenes in English and Japanese. Spatial Cognition and Computation, 2003, 3, 3-42.	1.2	105
32	Using space to describe space: Perspective in speech, sign, and gesture. Spatial Cognition and Computation, 2000, 2, 157-180.	1.2	99
33	The shape of action.. Journal of Experimental Psychology: General, 2011, 140, 586-604.	2.1	99
34	Parts, partonomies, and taxonomies.. Developmental Psychology, 1989, 25, 983-995.	1.6	97
35	Spatial Mental Models. Psychology of Learning and Motivation - Advances in Research and Theory, 1991, 27, 109-145.	1.1	89
36	Functional Significance of Visuospatial Representations. , 2005, , 1-34.		78

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37	Multiple Systems for Spatial Imagery: Transformations of Objects and Bodies. Spatial Cognition and Computation, 2005, 5, 271-306.	1.2	68
38	Ontology and Geographic Objects: An Empirical Study of Cognitive Categorization. Lecture Notes in Computer Science, 1999, , 283-298.	1.3	62
39	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
40	Three Spaces of Spatial Cognition. Professional Geographer, 1999, 51, 516-524.	1.8	57
41	Structuring information interfaces for procedural learning.. Journal of Experimental Psychology: Applied, 2003, 9, 88-100.	1.2	57
42	Structure and strategy in encoding simplified graphs. Memory and Cognition, 1992, 20, 12-20.	1.6	56
43	Some Ways that Maps and Diagrams Communicate. Lecture Notes in Computer Science, 2000, , 72-79.	1.3	45
44	Narratives of Space, Time, and Life. Mind and Language, 2004, 19, 380-392.	2.3	45
45	11 Mental models of spatial relations and transformations from language. Advances in Psychology, 1999, , 239-258.	0.1	40
46	Cognitive Origins of Graphic Productions. , 1995, , 29-53.		40
47	Indexing Events in Memory: Evidence for Index Dominance. Memory, 1997, 5, 509-542.	1.7	39
48	Interplay Between Visual and Spatial: The Effect of Landmark Descriptions on Comprehension of Route/Survey Spatial Descriptions. Spatial Cognition and Computation, 2005, 5, 163-185.	1.2	39
49	External Representations Contribute to the Dynamic Construction of Ideas. Lecture Notes in Computer Science, 2002, , 341-343.	1.3	36
50	Sketches for Design and Design of Sketches. , 2003, , 79-86.		35
51	The kinematics that you do not expect: Integrating prior information and kinematics to understand intentions. Cognition, 2019, 182, 213-219.	2.2	32
52	Hierarchical encoding of behavior: Translating perception into action.. Journal of Experimental Psychology: General, 2006, 135, 588-608.	2.1	30
53	Through your eyes: incongruence of gaze and action increases spontaneous perspective taking. Frontiers in Human Neuroscience, 2013, 7, 455.	2.0	30
54	The Cognitive Design of Tools of Thought. Review of Philosophy and Psychology, 2015, 6, 99-116.	1.8	30

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55	Cognitive constraints on ordering operations: The case of geometric analogies.. Journal of Experimental Psychology: General, 1987, 116, 50-67.	2.1	29
56	Remembering Routes: Streets and Landmarks. Applied Cognitive Psychology, 2012, 26, 182-193.	1.6	28
57	From hands to minds: Gestures promote understanding. Cognitive Research: Principles and Implications, 2016, 1, 4.	2.0	28
58	When Far Becomes Near. Psychological Science, 2017, 28, 69-79.	3.3	28
59	Spatial Cognition. , 2001, , 201-216.		27
60	Perspective taking promotes action understanding and learning.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 1405-1421.	0.9	27
61	Navigating by Mind and by Body. Lecture Notes in Computer Science, 2003, , 1-10.	1.3	25
62	Quick viewpoint switching for manipulating virtual objects in hand-held augmented reality using stored snapshots. , 2012, , .		25
63	Coordinating Gesture, Word, and Diagram: Explanations for Experts and Novices. Spatial Cognition and Computation, 2015, 15, 1-26.	1.2	25
64	Conceptually congruent actions can promote thought.. Journal of Applied Research in Memory and Cognition, 2014, 3, 124-130.	1.1	24
65	Prolegomenon to Scientific Visualizations. , 2005, , 29-42.		24
66	Interplay Between Visual and Spatial: The Effect of Landmark Descriptions on Comprehension of Route/Survey Spatial Descriptions. Spatial Cognition and Computation, 2005, 5, 163-185.	1.2	22
67	Visualizing space, time, and agents: production, performance, and preference. Cognitive Processing, 2011, 12, 43-52.	1.4	21
68	Assessing spatial frameworks with object and direction probes. Bulletin of the Psychonomic Society, 1992, 30, 29-32.	0.2	20
69	Visualizing Thought. , 2014, , 3-40.		19
70	Spatial mental models from descriptions. Journal of the Association for Information Science and Technology, 1994, 45, 656-668.	1.0	18
71	Cognitive tools shape thought: diagrams in design. Cognitive Processing, 2013, 14, 255-272.	1.4	17
72	Spatial perspective choice in ASL. Sign Language and Linguistics (Online), 2002, 5, 3-26.	0.5	16

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73	Events by Hands and Feet. <i>Spatial Cognition and Computation</i> , 2004, 4, 5-14.	1.2	15
74	Bodies and their parts. <i>Memory and Cognition</i> , 2005, 33, 696-709.	1.6	14
75	How to put things together. <i>Cognitive Processing</i> , 2012, 13, 303-319.	1.4	14
76	Thinking in action. <i>Pragmatics and Cognition</i> , 2014, 22, 206-223.	0.4	13
77	Spatial Concepts and Perception of Physical and Diagrammed Scenes. <i>Perceptual and Motor Skills</i> , 1995, 81, 531-546.	1.3	12
78	Spatial thought, social thought. , 2011, , 17-38.		11
79	Putting motor resonance in perspective. <i>Cognition</i> , 2008, 106, 1195-1220.	2.2	10
80	On bodies and events. , 2002, , 221-232.		9
81	SPATIAL CONCEPTS AND PERCEPTION OF PHYSICAL AND DIAGRAMMED SCENES. <i>Perceptual and Motor Skills</i> , 1995, 81, 531-546.	1.3	9
82	Event Perception. , 2013, , .		8
83	How do Designers Shift their Focus of Attention in their Own Sketches?. , 2002, , 241-254.		8
84	Expert and Non-expert Knowledge of Loosely Structured Environments. <i>Lecture Notes in Computer Science</i> , 2005, , 363-378.	1.3	7
85	Representing Category and Continuum: Visualizing Thought. <i>Lecture Notes in Computer Science</i> , 2012, , 23-34.	1.3	7
86	On Abstraction and Ambiguity. , 2015, , 215-223.		7
87	Changing Perspective: Building Creative Mindsets. <i>Cognitive Science</i> , 2020, 44, e12820.	1.7	6
88	Characterizing Diagrams Produced by Individuals and Dyads. <i>Lecture Notes in Computer Science</i> , 2005, , 214-226.	1.3	6
89	Diagrams as Tools in the Design of Information Systems. , 2008, , 103-122.		4
90	Space, Time, and Story. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 2013, , 47-76.	1.1	4

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91	Thinking Tools: Gestures Change Thought About Time. Topics in Cognitive Science, 2021, 13, 750-776.	1.9	4
92	Transforming Descriptions and Diagrams to Sketches in Information System Design. Lecture Notes in Computer Science, 2008, , 242-256.	1.3	3
93	Discovering Perceptions of Personal Social Networks through Diagrams. Lecture Notes in Computer Science, 2010, , 352-354.	1.3	3
94	Gestures can create diagrams (that are neither imagistic nor analog). Behavioral and Brain Sciences, 2017, 40, e73.	0.7	2
95	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
96	Prepositions aren't places. Behavioral and Brain Sciences, 1993, 16, 252-253.	0.7	1
97	Affording Design, Affording Redesign. , 2015, , 91-102.		1
98	Cognitive Methods for Visualizing Space, Time, and Agents. Lecture Notes in Computer Science, 2008, , 382-384.	1.3	1
99	Distortions in visual memory: Reply to Engebretson and Huttenlocher (1996).. Journal of Experimental Psychology: General, 1997, 126, 312-314.	2.1	0
100	SOME CHALLENGES FOR A COMPUTATIONAL THEORY OF IMAGERY. Computational Intelligence, 1993, 9, 362-365.	3.2	0
101	Lines and Boxes: The Geometry of Thought. The Frontiers Collection, 2019, , 247-251.	0.2	0