

Daniel R Montello

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,777
citations

172457

29
h-index

243625

44
g-index

54
all docs

54
docs citations

54
times ranked

2811
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a self-report measure of environmental spatial ability. <i>Intelligence</i> , 2002, 30, 425-447.	3.0	708
2	Spatial abilities at different scales: Individual differences in aptitude-test performance and spatial-layout learning. <i>Intelligence</i> , 2006, 34, 151-176.	3.0	620
3	Spatial knowledge acquisition from direct experience in the environment: Individual differences in the development of metric knowledge and the integration of separately learned places. <i>Cognitive Psychology</i> , 2006, 52, 93-129.	2.2	478
4	Spatial knowledge acquisition from maps and from navigation in real and virtual environments. <i>Memory and Cognition</i> , 1999, 27, 741-750.	1.6	437
5	Scale and multiple psychologies of space. <i>Lecture Notes in Computer Science</i> , 1993, , 312-321.	1.3	359
6	Updating after Rotational and Translational Body Movements: Coordinate Structure of Perspective Space. <i>Perception</i> , 1994, 23, 1447-1455.	1.2	269
7	Cognitive and Usability Issues in Geovisualization. <i>Cartography and Geographic Information Science</i> , 2001, 28, 61-75.	3.0	235
8	Cognitive Map-Design Research in the Twentieth Century: Theoretical and Empirical Approaches. <i>Cartography and Geographic Information Science</i> , 2002, 29, 283-304.	3.0	222
9	Integrating Knowledge of Vertically Aligned Large-Scale Spaces. <i>Environment and Behavior</i> , 1993, 25, 457-484.	4.7	203
10	Points of reference in spatial cognition: Stalking the elusive landmark*. <i>British Journal of Developmental Psychology</i> , 1988, 6, 378-381.	1.7	174
11	Remembering Changes in Direction. <i>Environment and Behavior</i> , 1989, 21, 346-363.	4.7	154
12	The measurement of cognitive distance: Methods and construct validity. <i>Journal of Environmental Psychology</i> , 1991, 11, 101-122.	5.1	152
13	How spatial abilities enhance, and are enhanced by, dental education. <i>Learning and Individual Differences</i> , 2009, 19, 61-70.	2.7	151
14	Where's Downtown?: Behavioral Methods for Determining Referents of Vague Spatial Queries. <i>Spatial Cognition and Computation</i> , 2003, 3, 185-204.	1.2	146
15	Spatial Orientation and the Angularity of Urban Routes. <i>Environment and Behavior</i> , 1991, 23, 47-69.	4.7	122
16	Orientation specificity and spatial updating of memories for layouts.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2002, 28, 1051-1063.	0.9	103
17	Novel Method to Measure Inference Affordance in Static Small-Multiple Map Displays Representing Dynamic Processes. <i>Cartographic Journal</i> , 2008, 45, 201-215.	1.5	92
18	The perception and cognition of environmental distance: Direct sources of information. <i>Lecture Notes in Computer Science</i> , 1997, , 297-311.	1.3	91

#	ARTICLE	IF	CITATIONS
19	Learning a spatial skill for surgery: how the contributions of abilities change with practice. <i>Applied Cognitive Psychology</i> , 2006, 20, 487-503.	1.6	79
20	Cognitive Research in GIScience: Recent Achievements and Future Prospects. <i>Geography Compass</i> , 2009, 3, 1824-1840.	2.7	66
21	You Are Where? The Function and Frustration of You-Are-Here (YAH) Maps. <i>Spatial Cognition and Computation</i> , 2010, 10, 94-104.	1.2	54
22	Global-scale location and distance estimates: Common representations and strategies in absolute and relative judgments.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2006, 32, 333-346.	0.9	51
23	Wayfinding as a Social Activity. <i>Frontiers in Psychology</i> , 2019, 10, 142.	2.1	51
24	The Distance-Similarity Metaphor in Network-Display Spatializations. <i>Cartography and Geographic Information Science</i> , 2004, 31, 237-252.	3.0	47
25	A Comparison of Methods for Estimating Directions in Egocentric Space. <i>Perception</i> , 1999, 28, 981-1000.	1.2	46
26	Classroom seating location and its effect on course achievement, participation, and attitudes. <i>Journal of Environmental Psychology</i> , 1988, 8, 149-157.	5.1	44
27	Area Estimation of World Regions and the Projection of the Global-Scale Cognitive Map. <i>Annals of the American Association of Geographers</i> , 2009, 99, 273-291.	3.0	43
28	Linguistic and Nonlinguistic Turn Direction Concepts. , 2007, , 354-372.		37
29	Vague cognitive regions in geography and geographic information science. <i>International Journal of Geographical Information Science</i> , 2014, 28, 1802-1820.	4.8	34
30	The geometry of environmental knowledge. <i>Lecture Notes in Computer Science</i> , 1992, , 136-152.	1.3	34
31	The distance-similarity metaphor in region-display spatializations. <i>IEEE Computer Graphics and Applications</i> , 2006, 26, 34-44.	1.2	30
32	A data-synthesis-driven method for detecting and extracting vague cognitive regions. <i>International Journal of Geographical Information Science</i> , 0, , 1-27.	4.8	30
33	A comparison of methods for estimating directions in egocentric space. <i>Perception</i> , 1999, 28, 981-1000.	1.2	28
34	Modeling Directional Knowledge and Reasoning in Environmental Space: Testing Qualitative Metrics. , 1996, , 321-344.		27
35	Landmarks are Exaggerated. <i>KI - Kunstliche Intelligenz</i> , 2017, 31, 193-197.	3.2	20
36	How sense-of-direction and learning intentionality relate to spatial knowledge acquisition in the environment. <i>Cognitive Research: Principles and Implications</i> , 2017, 2, 18.	2.0	18

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37	The effect of instructions on distance and similarity judgements in information spatializations. <i>International Journal of Geographical Information Science</i> , 2008, 22, 463-478.	4.8	16
38	Linguistic and Cultural Universality of the Concept of Sense-of-Direction. <i>Lecture Notes in Computer Science</i> , 2011, , 264-282.	1.3	15
39	A Conceptual Model of the Cognitive Processing of Environmental Distance Information. <i>Lecture Notes in Computer Science</i> , 2009, , 1-17.	1.3	14
40	The natural landscape metaphor in information visualization: The role of commonsense geomorphology. <i>Journal of the Association for Information Science and Technology</i> , 2010, 61, 253-270.	2.6	14
41	Defining the community of interest as thematic and cognitive regions. <i>Political Geography</i> , 2017, 61, 31-45.	2.5	7
42	Geographic orientation, disorientation, and misorientation: a commentary on Fernandez Velasco and Casati. <i>Spatial Cognition and Computation</i> , 2020, 20, 306-313.	1.2	7
43	<i>Spatial Cognition</i> , 2015, , 111-115.		6
44	Relating Local to Global Spatial Knowledge: Heuristic Influence of Local Features on Direction Estimates. <i>Journal of Geography</i> , 2015, 114, 3-14.	1.5	5
45	Another Look at the "Mercator Effect" on Global-Scale Cognitive Maps: Not in Areas but in Directions. <i>Annals of the American Association of Geographers</i> , 0, , 1-19.	2.2	4
46	3D Network Spatialization: Does It Add Depth to 2D Representations of Semantic Proximity?. <i>Lecture Notes in Computer Science</i> , 2014, , 34-47.	1.3	4
47	Representations of an Urban Ethnic Neighbourhood: Residents' Cognitive Boundaries of Koreatown, Los Angeles. <i>Built Environment</i> , 2018, 44, 218-240.	0.8	3
48	The world, the computer, and the mind: how Andrew Frank helped make human language and cognition cornerstones of geographic information science. <i>International Journal of Geographical Information Science</i> , 2018, 32, 2535-2550.	4.8	0