

# Markus Knauff

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11436315/publications.pdf>

Version: 2024-02-01

58  
papers

2,329  
citations

304743

22  
h-index

214800

47  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Up the down staircase: Wayfinding strategies in multi-level buildings. <i>Journal of Environmental Psychology</i> , 2006, 26, 284-299.	5.1	289
2	Reasoning, Models, and Images: Behavioral Measures and Cortical Activity. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 559-573.	2.3	210
3	Spatial imagery in deductive reasoning: a functional MRI study. <i>Cognitive Brain Research</i> , 2002, 13, 203-212.	3.0	197
4	fMRI Evidence for a Three-Stage Model of Deductive Reasoning. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 320-334.	2.3	164
5	Visual imagery can impede reasoning. <i>Memory and Cognition</i> , 2002, 30, 363-371.	1.6	158
6	Cortical activation evoked by visual mental imagery as measured by fMRI. <i>NeuroReport</i> , 2000, 11, 3957-3962.	1.2	138
7	Working Memory in Wayfinding—A Dual Task Experiment in a Virtual City. <i>Cognitive Science</i> , 2008, 32, 755-770.	1.7	125
8	Reasoning and working memory: common and distinct neuronal processes. <i>Neuropsychologia</i> , 2003, 41, 1241-1253.	1.6	124
9	How emotions affect logical reasoning: evidence from experiments with mood-manipulated participants, spider phobics, and people with exam anxiety. <i>Frontiers in Psychology</i> , 2014, 5, 570.	2.1	83
10	A theory and a computational model of spatial reasoning with preferred mental models.. <i>Psychological Review</i> , 2013, 120, 561-588.	3.8	61
11	Preferred mental models in reasoning about spatial relations. <i>Memory and Cognition</i> , 2007, 35, 2075-2087.	1.6	60
12	fMRI Evidence for a Three-Stage Model of Deductive Reasoning. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 320-334.	2.3	58
13	Complex cognition: the science of human reasoning, problem-solving, and decision-making. <i>Cognitive Processing</i> , 2010, 11, 99-102.	1.4	51
14	Preferred and Alternative Mental Models in Spatial Reasoning. <i>Spatial Cognition and Computation</i> , 2005, 5, 239-269.	1.2	48
15	Mental imagery, reasoning, and blindness. <i>Quarterly Journal of Experimental Psychology</i> , 2006, 59, 161-177.	1.1	47
16	Title is missing!. <i>Spatial Cognition and Computation</i> , 1999, 1, 261-290.	1.2	46
17	Modality, probability, and mental models.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2016, 42, 1606-1620.	0.9	42
18	A Neuro-Cognitive Theory of Deductive Relational Reasoning with Mental Models and Visual Images. <i>Spatial Cognition and Computation</i> , 2009, 9, 109-137.	1.2	41

#	ARTICLE	IF	CITATIONS
19	The Psychological Validity of Qualitative Spatial Reasoning in One Dimension. <i>Spatial Cognition and Computation</i> , 2004, 4, 167-188.	1.2	33
20	Odors Can Serve as Landmarks in Human Wayfinding. <i>Cognitive Science</i> , 2019, 43, e12798.	1.7	27
21	How our brains reason logically. <i>Topoi</i> , 2007, 26, 19-36.	1.3	26
22	A model for relational reasoning as verbal reasoning. <i>Cognitive Systems Research</i> , 2011, 12, 377-392.	2.7	24
23	Mental Models in Spatial Reasoning. <i>Lecture Notes in Computer Science</i> , 1998, , 267-291.	1.3	23
24	An Efficiency Comparison of Document Preparation Systems Used in Academic Research and Development. <i>PLoS ONE</i> , 2014, 9, e115069.	2.5	22
25	Preferred and Alternative Mental Models in Spatial Reasoning. <i>Spatial Cognition and Computation</i> , 2005, 5, 239-269.	1.2	21
26	Uncertain relational reasoning in the parietal cortex. <i>Brain and Cognition</i> , 2016, 104, 72-81.	1.8	19
27	Neural correlates of acoustic reasoning. <i>Brain Research</i> , 2009, 1249, 181-190.	2.2	18
28	Finding the Way Inside: Linking Architectural Design Analysis and Cognitive Processes. <i>Lecture Notes in Computer Science</i> , 2005, , 1-23.	1.3	16
29	Cross-Cultural Preferences in Spatial Reasoning. <i>Journal of Cognition and Culture</i> , 2011, 11, 1-21.	0.4	15
30	The effects of source trustworthiness and inference type on human belief revision. <i>Thinking and Reasoning</i> , 2012, 18, 417-440.	3.2	14
31	Defeasible reasoning with legal conditionals. <i>Memory and Cognition</i> , 2016, 44, 499-517.	1.6	14
32	The Illogicality of Stock-Brokers: Psychological Experiments on the Effects of Prior Knowledge and Belief Biases on Logical Reasoning in Stock Trading. <i>PLoS ONE</i> , 2010, 5, e13483.	2.5	14
33	Spatial belief revision. <i>Journal of Cognitive Psychology</i> , 2013, 25, 147-156.	0.9	11
34	Spatial Reasoning: No Need for Visual Information. <i>Lecture Notes in Computer Science</i> , 2001, , 447-457.	1.3	10
35	Preferred Mental Models: How and Why They Are So Important in Human Reasoning with Spatial Relations. <i>Lecture Notes in Computer Science</i> , 2007, , 175-190.	1.3	10
36	Editorsâ€™ Review and Introduction: Levels of Explanation in Cognitive Science: From Molecules to Culture. <i>Topics in Cognitive Science</i> , 2020, 12, 1224-1240.	1.9	7

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37	Different cognitive styles can affect performance in laparoscopic surgery skill training. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 4866-4873.	2.4	6
38	Spatial inference: No difference between mental images and mental models. <i>Behavioral and Brain Sciences</i> , 2004, 27, 589-590.	0.7	5
39	Quantifying disablers in reasoning with universal and existential rules. <i>Thinking and Reasoning</i> , 2018, 24, 344-365.	3.2	5
40	The specificity of terms affects conditional reasoning. <i>Thinking and Reasoning</i> , 2019, 25, 72-93.	3.2	5
41	Cross-Cultural Similarities in Topological Reasoning. , 2007, , 32-46.		5
42	The construction of spatial mental models – A new view on the continuity effect. <i>Quarterly Journal of Experimental Psychology</i> , 2015, 68, 1794-1812.	1.1	4
43	Negativity bias in defeasible reasoning. <i>Thinking and Reasoning</i> , 2016, 22, 209-220.	3.2	4
44	When will is not the same as should: The role of modals in reasoning with legal conditionals. <i>Quarterly Journal of Experimental Psychology</i> , 2016, 69, 1480-1497.	1.1	4
45	A Neuro-Cognitive Theory of Relational Reasoning with Mental Models and Visual Images. <i>Advances in Psychology</i> , 2006, , 127-152.	0.1	3
46	Everyday reasoning with unfamiliar conditionals. <i>Thinking and Reasoning</i> , 2021, 27, 389-416.	3.2	3
47	When nomenclature matters: Is the “new paradigm” really a new paradigm for the psychology of reasoning?. <i>Thinking and Reasoning</i> , 2023, 29, 341-370.	3.2	3
48	Logisches Denken. , 2017, , 533-585.		3
49	How to infer possibilities: A reply to Oaksford et al. (2018).. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2019, 45, 298-301.	0.9	3
50	Transregional Collaborative Research Center SFB/TR 8 Spatial Cognition: Reasoning, Action, Interaction (Sonderforschungsbereich/Transregio SFB/TR 8 Raumkognition: Schließen, Handeln,) Tj ETQq0 0 0 rgB0,0 Overlock 10 Tf 50		
51	Der Weg als Ziel Virtuelle Umgebungen und räumlicher Wissenserwerb. , 2012, , 173-193.		2
52	Grounded spatial belief revision. <i>Acta Psychologica</i> , 2015, 157, 144-154.	1.5	1
53	TMS applied to V1 can facilitate reasoning. <i>Experimental Brain Research</i> , 2018, 236, 2277-2286.	1.5	1
54	Visualization, Reasoning, and Rationality. <i>Lecture Notes in Computer Science</i> , 2019, , 3-10.	1.3	1

#	ARTICLE	IF	CITATIONS
55	Supporting and Hindering Effects on Rational Reasoning. , 2018, , 89-107.		1
56	Heuristiken â% immer gut und Logik â% immer schlecht. , 2018, , 15-22.		0
57	Specificity effects in reasoning with counterintuitive and arbitrary conditionals. Memory and Cognition, 2021, , 1.	1.6	0
58	Reasoning and the Visual-Impedance Hypothesis. Lecture Notes in Computer Science, 2003, , 372-384.	1.3	0