

CITATION REPORT

List of articles citing

Enhanced brain connectivity in math-gifted adolescents: An fMRI study using mental rotation

DOI: 10.1080/17588928.2010.506951
Cognitive Neuroscience, 2010, 1, 277-88.

Source: <https://exaly.com/paper-pdf/49734214/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
59	Mathematically gifted adolescents use more extensive and more bilateral areas of the fronto-parietal network than controls during executive functioning and fluid reasoning tasks. <i>NeuroImage</i> , 2011 , 57, 281-292	7.9	53
58	Fluid intelligence allows flexible recruitment of the parieto-frontal network in analogical reasoning. <i>Frontiers in Human Neuroscience</i> , 2011 , 5, 22	3.3	47
57	Sex and training differences in mental rotation: a behavioral and neurophysiological comparison of gifted achievers, gifted underachievers and average intelligent achievers. <i>High Ability Studies</i> , 2011 , 22, 155-177	1.3	8
56	Connectivity in math-gifted adolescents: Comparing structural equation modeling, granger causality, and dynamic causal modeling. 2012 ,		1
55	Highlights of the first two volumes and the new challenges ahead. <i>Cognitive Neuroscience</i> , 2012 , 3, 77-79.	1.7	
54	A key role for experimental task performance: effects of math talent, gender and performance on the neural correlates of mental rotation. <i>Brain and Cognition</i> , 2012 , 78, 14-27	2.7	81
53	Brain function during probabilistic learning in relation to IQ and level of education. <i>Developmental Cognitive Neuroscience</i> , 2012 , 2 Suppl 1, S78-89	5.5	15
52	Creatively Gifted Students are not like Other Gifted Students. 2013 ,		7
51	From Tesla to Tetris: Mental Rotation, Vocation, and Gifted Education. <i>Roeper Review</i> , 2013 , 35, 231-240.	1.4	9
50	Left Brain vs. Right Brain: Findings on Visual Spatial Capacities and the Functional Neurology of Giftedness. <i>Roeper Review</i> , 2013 , 35, 265-275	1.4	11
49	Optimized Gamma Synchronization Enhances Functional Binding of Fronto-Parietal Cortices in Mathematically Gifted Adolescents during Deductive Reasoning. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 430	3.3	8
48	White matter microstructure correlates of mathematical giftedness and intelligence quotient. <i>Human Brain Mapping</i> , 2014 , 35, 2619-31	5.9	114
47	Localization of neural efficiency of the mathematically gifted brain through a feature subset selection method. <i>Cognitive Neurodynamics</i> , 2015 , 9, 495-508	4.2	15
46	Mathematically gifted adolescents mobilize enhanced workspace configuration of theta cortical network during deductive reasoning. <i>Neuroscience</i> , 2015 , 289, 334-48	3.9	11
45	Cortical morphometry in frontoparietal and default mode networks in math-gifted adolescents. <i>Human Brain Mapping</i> , 2016 , 37, 1893-902	5.9	10
44	Origins of the brain networks for advanced mathematics in expert mathematicians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4909-17	11.5	212
43	Brain activity associated with logical inferences in geometry: focusing on students with different levels of ability. <i>ZDM - International Journal on Mathematics Education</i> , 2016 , 48, 321-335	2	5

42	Does solving insight-based problems differ from solving learning-based problems? Some evidence from an ERP study. <i>ZDM - International Journal on Mathematics Education</i> , 2016 , 48, 305-319	2	16
41	Statistical parametric mapping for analyzing interictal magnetoencephalography in patients with left frontal lobe epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 34, 38-43	3.2	2
40	Neurocognitive mechanisms of mathematical giftedness: A literature review. <i>Applied Neuropsychology: Child</i> , 2017 , 6, 79-94	1.4	9
39	Preliminary Report on Neuroanatomical Differences Among Reading Disabled, Nonverbally Gifted, and Gifted-Reading Disabled College Students. <i>Developmental Neuropsychology</i> , 2017 , 42, 25-38	1.8	
38	Mental rotation: an examination of assumptions. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2017 , 8, e1443	4.5	9
37	Individual differences in the dominance of interhemispheric connections predict cognitive ability beyond sex and brain size. <i>NeuroImage</i> , 2017 , 155, 234-244	7.9	54
36	Creativity and Giftedness. <i>Advances in Mathematics Education</i> , 2017 ,	0.5	13
35	What Is Special About the Brain Activity of Mathematically Gifted Adolescents?. <i>Advances in Mathematics Education</i> , 2017 , 165-181	0.5	1
34	Cognitive and Neural Correlates of Mathematical Giftedness in Adults and Children: A Review. <i>Frontiers in Psychology</i> , 2017 , 8, 1646	3.4	20
33	Hemispheric Differences in White Matter Microstructure between Two Profiles of Children with High Intelligence Quotient vs. Controls: A Tract-Based Spatial Statistics Study. <i>Frontiers in Neuroscience</i> , 2017 , 11, 173	5.1	13
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27	Gender Differences in Large-Scale and Small-Scale Spatial Ability: A Systematic Review Based on Behavioral and Neuroimaging Research. <i>Frontiers in Behavioral Neuroscience</i> , 2019 , 13, 128	3.5	18
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9	Common neural functions during children's naturalistic and controlled laboratory mathematics learning.		0
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7	Not any gifted is an expert in mathematics and not any expert in mathematics is gifted. <i>Gifted and Talented International</i> , 1-17	1	1

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2 Geography education improves spatial ability: evidence from fMRI and behavioral experiments. 1-17

1 Effective connectivity analysis of brain networks of mathematically gifted adolescents using transfer entropy. **2023**, 1-12