Emergence and Characterization of Sex Differences in S

Child Development

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Citation Report

#	Article	IF	Citations
1	Chapter 11: Issues in Meta-Analysis. Review of Research in Education, 1986, 13, 353-398.	0.8	35
2	Masculinity, femininity, androgyny, and cognitive performance: A meta-analysis.. Psychological Bulletin, 1986, 100, 207-228.	5.5	147
3	A PSYCHOMETRIC ANALYSIS OF A THREEâ€ÐIMENSIONAL SPATIAL TASK. ETS Research Report Series, 1986, 1986, i.	0.5	5
4	A method to the madness? Quantitative research reviewing. Research in Education, 1986, 35, 25-41.	0.5	3
5	The effect of speed-accuracy tradeoff on sex differences in mental rotation. Perception & Psychophysics, 1986, 39, 427-436.	2.3	82
6	A short version of a spatial activity questionnaire. Sex Roles, 1986, 14, 475-479.	1.4	33
7	Development and Analysis of a Spatial Visualization Test for Middle School Boys and Girls. Perceptual and Motor Skills, 1986, 63, 659-669.	0.6	14
8	Issues in Meta-Analysis. Review of Research in Education, 1986, 13, 353.	0.8	44
9	Chapter 9: The Participation of Women and Minorities in Mathematical, Scientific, and Technical Fields. Review of Research in Education, 1987, 14, 387-430.	0.8	19
10	Relations of Masculinity and Femininity in Self-Concept to Spatial Performance in Adolescents. Journal of Genetic Psychology, 1987, 148, 249-251.	0.6	10
11	Sex Differences and Practice Effects on Two Visual-Spatial Tasks. Perceptual and Motor Skills, 1987, 64, 139-142.	0.6	12
12	How hard is hard science, how soft is soft science? The empirical cumulativeness of research.. American Psychologist, 1987, 42, 443-455.	3.8	445
13	The Participation of Women and Minorities in Mathematical, Scientific, and Technical Fields. Review of Research in Education, 1987, 14, 387.	0.8	25
14	Imagery and Memory in the Blind: A Review. , 1987, , 218-238.		11
15	Biological Correlates of Spatial Ability and Mathematical Performance. Annals of the New York Academy of Sciences, 1987, 517, 69-86.	1.8	1
16	Gender differences in national assessment of educational progress science items: What does â€œi don't knowâ€•really mean?. Journal of Research in Science Teaching, 1987, 24, 267-278.	2.0	38
17	Toys, spatial ability, and science and mathematics achievement: Are they related?. Sex Roles, 1987, 17, 115-138.	1.4	86
18	Gender differences in geographical knowledge. Sex Roles, 1987, 16, 565-590.	1.4	71

#	Article	IF	Citations
19	The nature of individual differences in field dependence. Journal of Research in Personality, 1987, 21, 81-99.	0.9	56
20	Individual differences in water-level task performance: A component-skills analysis. Developmental Review, 1988, 8, 273-295.	2.6	66
21	Visuospatial tasks compared via activation of regional cerebral blood flow. Neuropsychologia, 1988, 26, 445-452.	0.7	203
22	Gender differences in spatial ability in old age: Longitudinal and intervention findings. Sex Roles, 1988, 18, 189-203.	1.4	60
23	Gender differences in verbal ability: A meta-analysis.. Psychological Bulletin, 1988, 104, 53-69.	5.5	1,185
24	The relationship between cerebral lateralization and cognitive ability: Suggested criteria for empirical tests. Brain and Cognition, 1988, 8, 275-290.	0.8	18
25	Sexâ€related differences in hemispheric lateralization: A function of physical maturation. Developmental Neuropsychology, 1988, 4, 151-167.	1.0	6
26	The Effect of Instruction on Spatial Visualization Skills of Middle School Boys and Girls. American Educational Research Journal, 1988, 25, 51-71.	1.6	104
28	Sex differences in mathematical reasoning ability in intellectually talented preadolescents: Their nature, effects, and possible causes. Behavioral and Brain Sciences, 1988, 11, 169-183.	0.4	481
29	The effects of selection and variability in studies of gender differences. Behavioral and Brain Sciences, 1988, 11, 183-184.	0.4	29
30	The plasticity of the human brain and human potential. Behavioral and Brain Sciences, 1988, 11, 184-185.	0.4	1
31	Boys and girls and mathematics: What is the difference?. Behavioral and Brain Sciences, 1988, 11, 185-185.	0.4	0
32	Sex differences in mathematics: Is there any news here?. Behavioral and Brain Sciences, 1988, 11, 185-186.	0.4	5
33	Cerebral organization and mathematical ability. Behavioral and Brain Sciences, 1988, 11, 186-187.	0.4	3
34	Spatial visualization and mathematical reasoning abilities. Behavioral and Brain Sciences, 1988, 11, 187-188.	0.4	0
35	Sex, brain, and learning differences in rats. Behavioral and Brain Sciences, 1988, 11, 188-189.	0.4	2
36	O Tempora, O Mores!. Behavioral and Brain Sciences, 1988, 11, 189-190.	0.4	14
37	Predicting who our future scientists and mathematicians will be. Behavioral and Brain Sciences, 1988, 11, 190-191.	0.4	4

#	Article	IF	Citations
38	The new math: Is XY â‰¥ XX?. Behavioral and Brain Sciences, 1988, 11, 191-191.	0.4	1
39	Sex differences in mathematical reasoning ability: Let me count the ways. Behavioral and Brain Sciences, 1988, 11, 191-192.	0.4	2
40	Causes of mathematical giftedness: Beware of left-handed compliments. Behavioral and Brain Sciences, 1988, 11, 192-193.	0.4	1
41	A variety of brains?. Behavioral and Brain Sciences, 1988, 11, 193-194.	0.4	2
42	Hormonal influences on human cognition: What they might tell us about encouraging mathematical ability and precocity in boys and girls. Behavioral and Brain Sciences, 1988, 11, 194-195.	0.4	1
43	Sex differences in variability may be more important than sex differences in means. Behavioral and Brain Sciences, 1988, 11, 195-196.	0.4	64
44	To understand sex differences we must understand reasoning processes (and vice versa). Behavioral and Brain Sciences, 1988, 11, 197-198.	0.4	9
45	Sex differences in arithmetic computation and reasoning in prepubertal boys and girls. Behavioral and Brain Sciences, 1988, 11, 198-199.	0.4	11
46	Biology: Si! Hard-wired ability: Maybe no. Behavioral and Brain Sciences, 1988, 11, 199-200.	0.4	9
47	Biological influences on cognitive function. Behavioral and Brain Sciences, 1988, 11, 200-200.	0.4	14
48	Creative mathematics: Do SAT-M sex effects matter?. Behavioral and Brain Sciences, 1988, 11, 200-201.	0.4	28
49	Sex differences in mathematical reasoning ability: Causes, consequences, and variability. Behavioral and Brain Sciences, 1988, 11, 201-202.	0.4	1
50	What we really need is a theory of mathematical ability. Behavioral and Brain Sciences, 1988, 11, 202-203.	0.4	2
51	Socialization versus biology: Time to move on. Behavioral and Brain Sciences, 1988, 11, 203-204.	0.4	2
52	Rival hypotheses about sex differences in mathematics: Problems and possibilities. Behavioral and Brain Sciences, 1988, 11, 204-205.	0.4	0
53	Mathematics as male pathology. Behavioral and Brain Sciences, 1988, 11, 205-206.	0.4	0
54	Nature/nurture in male/female mathematical giftedness. Behavioral and Brain Sciences, 1988, 11, 206-206.	0.4	0
55	Mathematics, sex hormones, and brain function. Behavioral and Brain Sciences, 1988, 11, 206-207.	0.4	36

#	Article	IF	Citations
56	Evaluating explanations of sex differences in mathematical reasoning scores. Behavioral and Brain Sciences, 1988, 11, 207-208.	0.4	36
57	Mathematical ability, spatial ability, and remedial training. Behavioral and Brain Sciences, 1988, 11, 208-209.	0.4	0
58	Neuropsychological factors and mathematical reasoning ability. Behavioral and Brain Sciences, 1988, 11, 209-210.	0.4	0
59	Causes of things and nature of things: Advice from Hughlings Jackson. Behavioral and Brain Sciences, 1988, 11, 210-210.	0.4	1
60	The male/female difference is there: Should we care?. Behavioral and Brain Sciences, 1988, 11, 210-211.	0.4	2
61	Hormones and sexual differentiation. Behavioral and Brain Sciences, 1988, 11, 211-212.	0.4	0
62	On throwing bones to environmentalists. Behavioral and Brain Sciences, 1988, 11, 212-212.	0.4	0
63	Sex differences in mathematics: Why the fuss?. Behavioral and Brain Sciences, 1988, 11, 212-212.	0.4	0
64	Could these sex differences be due to genes?. Behavioral and Brain Sciences, 1988, 11, 212-214.	0.4	39
65	Bias and sampling error in sex difference research. Behavioral and Brain Sciences, 1988, 11, 214-214.	0.4	0
66	Factors influencing educational productivity. Behavioral and Brain Sciences, 1988, 11, 214-215.	0.4	0
67	Neuroanatomical sex differences: Of no consequence for cognition?. Behavioral and Brain Sciences, 1988, 11, 215-217.	0.4	4
68	The forgotten realm of genetic differences. Behavioral and Brain Sciences, 1988, 11, 217-217.	0.4	41
69	Sex-related differences in precocious mathematical reasoning ability: Not illusory, not easily explained. Behavioral and Brain Sciences, 1988, 11, 217-232.	0.4	24
70	Sex differences in parallax view?. Behavioral and Brain Sciences, 1988, 11, 188-188.	0.4	6
71	Sex differences in mathematical talents remain unexplained. Behavioral and Brain Sciences, 1988, 11, 196-197.	0.4	2
72	Sex-Related Differences in Spatial Ability: More Evidence for Convergence. Perceptual and Motor Skills, 1989, 69, 915-921.	0.6	12
73	Cognitive and Exemplary Modelling of Horizontality Representation on the Piagetian Water-level Task. International Journal of Behavioral Development, 1989, 12, 453-472.	1.3	15

#	Article	IF	Citations
74	SEX DIFFERENCES IN TEST PERFORMANCE: A SURVEY OF THE LITERATURE. ETS Research Report Series, 1989, 1989, i.	0.5	21
75	Gender, Mathematics, and Science. Educational Researcher, 1989, 18, 17-27.	3.3	353
76	SEX-RELATED DIFFERENCES IN SPATIAL ABILITY: MORE EVIDENCE FOR CONVERGENCE. Perceptual and Motor Skills, 1989, 69, 915-921.	0.6	44
77	Age and Sex Differences in Representation of Horizontality among Children in India. Perceptual and Motor Skills, 1989, 68, 739-746.	0.6	49
78	Exceptions to the male advantage on a spatial task: Family handedness and college major as factors identifying women who excel. Neuropsychologia, 1989, 27, 689-696.	0.7	108
79	Spatial visualization and sex-related differences in science achievement. Science Education, 1989, 73, 703-709.	1.8	9
80	The role of experience in spatial test performance: A meta-analysis. Sex Roles, 1989, 20, 327-344.	1.4	436
81	Restrained eating: Mediator of gender differences on cognitive restructuring tasks?. Sex Roles, 1989, 20, 465-471.	1.4	5
83	Adolescents' ability to communicate spatial information: Analyzing and effecting students' performance. Educational Studies in Mathematics, 1989, 20, 121-146.	1.8	32
84	Gender and science achievement: A reanalysis of studies from two meta-analyses. Journal of Research in Science Teaching, 1989, 26, 141-169.	2.0	68
85	Predictors of Sat Mathematics Scores of Gifted Male and Gifted Female Adolescents. Psychology of Women Quarterly, 1989, 13, 191-203.	1.3	20
86	Early sex-linked activities and interests related to spatial abilities. Personality and Individual Differences, 1989, 10, 81-85.	1.6	9
87	Gender differences in adult spatial information processing: Their relationship to pubertal timing, adolescent activities, and sex-typing of personality. Cognitive Development, 1989, 4, 197-214.	0.7	49
88	Equivalence of male and female performance on a tactuospatial maze. Bulletin of the Psychonomic Society, 1989, 27, 29-30.	0.2	6
89	Sexual selection for spatial-learning ability. Animal Behaviour, 1989, 37, 322-331.	0.8	211
90	External validation of the strategy choice model for addition. Journal of Experimental Child Psychology, 1989, 47, 175-192.	0.7	141
91	Invarianz und Varianz der OberflÃchengrÃ¶ÃŸe â€" Geschlechtsspezifische Unterschiede bei einem informellen Test. Journal Fur Mathematik-Didaktik, 1989, 10, 63-92.	1.0	0
92	Predicting spatial performance from gender stereotyping in activity preferences and in self-concept.. Developmental Psychology, 1989, 25, 89-95.	1.2	38

#	Article	IF	Citations
93	Sex-typing of the Water-Level Task: There is More than Meets the Eye. International Journal of Psychology, 1990, 25, 475-490.	1.7	8
94	Feminist Critiques in the Professions. Review of Research in Education, 1990, 16, 393.	0.8	18
95	Sex differences in spatial ability and activity in two vole species (Microtus ochrogaster and M.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 662	0.3	90
96	Effects of experience and motivation on symmetrical-maze performance in the prairie vole (Microtus) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	16
97	Five Good Reasons to Use Pentominoes. School Science and Mathematics, 1990, 90, 665-673.	0.5	2
98	The socialization of sex-differentiated skills and academic performance: A mediational model. Sex Roles, 1990, 23, 613-628.	1.4	65
99	Learning to control variables: Main effects and aptitude treatment interactions of two rule-governed approaches to instruction. Journal of Research in Science Teaching, 1990, 27, 523-539.	2.0	4
100	Toy-playing behavior, sex-role orientation, spatial ability, and science achievement. Journal of Research in Science Teaching, 1990, 27, 637-649.	2.0	33
101	Chapter 3: Opportunities, Achievement, and Choice: Women and Minority Students in Science and Mathematics. Review of Research in Education, 1990, 16, 153-222.	0.8	275
102	Chapter 8: Feminist Critiques in the Professions. Review of Research in Education, 1990, 16, 393-424.	0.8	30
103	Are spatial abilities poorer in â€œforcedâ€•leftâ€handers? If so, why?. Developmental Neuropsychology, 1990, 6, 57-70.	1.0	2
104	Sex Differences and the Role of Figural Complexity in Determining the Rate of Mental Rotation. Perceptual and Motor Skills, 1990, 70, 467-477.	0.6	39
105	Perception and representation of the Euclidean coordinates in mature and elderly men and women. Experimental Aging Research, 1990, 16, 123-131.	0.6	36
106	Psychology: Psychological factors and distance education. American Journal of Distance Education, 1990, 4, 10-24.	1.0	38
107	Relationship between performance on the Everyday Spatial Activities Test and on objective measures of spatial behavior in men and women. Bulletin of the Psychonomic Society, 1990, 28, 228-230.	0.2	17
108	Gender, level of spatial ability, and lateralization of mental rotation. Brain and Cognition, 1990, 13, 18-29.	0.8	84
109	An investigation of immune system disorder as a â€œmarkerâ€•for anomalous dominance. Brain and Cognition, 1990, 12, 55-72.	0.8	13
110	Women who excel on a spatial task: Proposed genetic and environmental factors. Brain and Cognition, 1990, 12, 73-84.	0.8	77

#	Article	IF	Citations
111	Estrogen-related variations in human spatial and articulatory-motor skills. Psychoneuroendocrinology, 1990, 15, 97-111.	1.3	497
112	On the acquisition of pattern encoding skills. Cognitive Development, 1990, 5, 345-368.	0.7	5
113	Variations in sex-related cognitive abilities across the menstrual cycle. Brain and Cognition, 1990, 14, 26-43.	0.8	541
114	Chapter 11 Handedness, Sex, and Spatial Ability. Advances in Psychology, 1990, 67, 319-341.	0.1	6
115	Gender differences in mathematics performance: A meta-analysis.. Psychological Bulletin, 1990, 107, 139-155.	5.5	1,246
116	Integrated versus modular theories of number skills and acalculia. Brain and Cognition, 1991, 17, 204-239.	0.8	170
117	Correlations among Field Dependence-Independence, Sex, Sex-Role Stereotype, and Age of Preschoolers. Perceptual and Motor Skills, 1991, 73, 747-756.	0.6	10
118	Parents' differential socialization of boys and girls: A meta-analysis.. Psychological Bulletin, 1991, 109, 267-296.	5.5	870
119	Sex differences in speed of mental rotation and the X-linked genetic hypothesis. Intelligence, 1991, 15, 17-32.	1.6	45
120	A cognitive profile of homosexual men compared to heterosexual men and women. Psychoneuroendocrinology, 1991, 16, 459-473.	1.3	107
121	Neural sexual mosaicism: Sexual differentiation of the human temporo-parietal region for functional asymmetry. Psychoneuroendocrinology, 1991, 16, 131-153.	1.3	197
122	Enhanced right hemisphere activation in the mathematically precocious: A preliminary EEG investigation. Brain and Cognition, 1991, 17, 138-153.	0.8	61
123	Girls who use â€œmasculineâ€•problem-solving strategies on a spatial task: Proposed genetic and environmental factors. Brain and Cognition, 1991, 17, 1-22.	0.8	73
124	The Issue of Gender in Elementary and Secondary Education. Review of Research in Education, 1991, 17, 269.	0.8	57
125	Chapter 19 Gender differences in imagery, cognition, and memory. Advances in Psychology, 1991, 80, 271-303.	0.1	28
126	Clock time in seven to ten year-old children. European Journal of Psychology of Education, 1991, 6, 325-336.	1.3	18
127	Social Psychology: Humanist Roots and Feminist Future. Psychology of Women Quarterly, 1991, 15, 505-519.	1.3	16
128	Cognitive abilities in androgenâ€insensitive subjects: comparison with control males and females from the same kindred. Clinical Endocrinology, 1991, 34, 341-347.	1.2	84

#	Article	IF	Citations
129	Sexual orientation and cognitive abilities. Archives of Sexual Behavior, 1991, 20, 307-318.	1.2	55
130	Sex differences in spatial ability in children. Behavior Genetics, 1991, 21, 383-396.	1.4	99
131	Chapter 7: The Issue of Gender in Elementary and Secondary Education. Review of Research in Education, 1991, 17, 269-334.	0.8	76
132	Spatial Abilities and Reading Deficits in Visual Art Students. Empirical Studies of the Arts, 1991, 9, 51-63.	0.9	28
133	Sex-Related Differences in Spatial Ability in a Group of South African Students. Perceptual and Motor Skills, 1991, 73, 51-54.	0.6	21
134	An Update on Gifted Females. Journal for the Education of the Gifted, 1991, 14, 284-311.	0.5	29
135	Individual Differences in Afterimage Persistence: Relationships to Hypnotic Susceptibility and Visuospatial Skills. American Journal of Psychology, 1992, 105, 527.	0.5	19
136	The Effect of Time Limits on Performance of Mental Rotations by Gifted Adolescents. Gifted Child Quarterly, 1992, 36, 19-22.	1.2	20
137	Sex Differences in Variability in Intellectual Abilities: A New Look at an Old Controversy. Review of Educational Research, 1992, 62, 61-84.	4.3	299
138	Hemisphericity Style, Sex, and Performance on a Mirror-Tracing Task. Perceptual and Motor Skills, 1992, 74, 1143-1148.	0.6	10
139	SUBJECTIVE MISCONCEPTIONS IN PHYSICS IN RELATION TO INTELLIGENCE, SEX AND INSTRUCTION. European Journal of High Ability, 1992, 3, 218-235.	0.2	4
140	Gender Differences in Water-Level Representation as a Function of Information on State of Liquid. Journal of Genetic Psychology, 1992, 153, 231-235.	0.6	9
141	An interface for interactive spatial reasoning and visualization. , 1992, , .		17
142	Effects of Stimulus Color, Pattern, and Practice on Sex Differences in Mental Rotations Task Performance. Journal of Psychology: Interdisciplinary and Applied, 1992, 126, 539-553.	0.9	28
143	Performing the Water-Level Task in a Realistic Context Is Detrimental Not Only to Women. Journal of Genetic Psychology, 1992, 153, 237-241.	0.6	1
144	Malking Connections to Engineering During the First Two Years. , 0, , .		15
145	Gender Differences in Three-Dimensional Mental Rotation: A Replication. Journal of Genetic Psychology, 1992, 153, 115-117.	0.6	28
146	Spatial memory and adaptive specialization of the hippocampus. Trends in Neurosciences, 1992, 15, 298-303.	4.2	384

#	Article	IF	Citations
147	Family handedness as a predictor of mental rotation ability among minority girls in a math-science training program. Brain and Cognition, 1992, 18, 88-96.	0.8	57
148	Effect of androgens on the brain and other organs during development and aging. Psychoneuroendocrinology, 1992, 17, 375-383.	1.3	59
149	Developmental differences in the ability to give route directions from a map. Journal of Environmental Psychology, 1992, 12, 175-185.	2.3	55
150	Differences in sociocultural environment perceptions associated with gender in science classrooms. Journal of Research in Science Teaching, 1992, 29, 637-647.	2.0	28
151	Gender Differences and Similarities in Self-Concept Within Everyday Life Contexts. Psychology of Women Quarterly, 1992, 16, 349-363.	1.3	27
152	Spatial ability as a predictor of math achievement: The importance of sex and handedness patterns. Neuropsychologia, 1992, 30, 35-45.	0.7	102
153	Lateralized deficits in visual attention in males with developmental dopamine depletion. Neuropsychologia, 1992, 30, 341-351.	0.7	39
154	Observational training improves adult womens' performance on Piaget's water-level task. Scandinavian Journal of Psychology, 1992, 33, 117-124.	0.8	6
155	Evolution of sex difference in spatial ability. American Journal of Physical Anthropology, 1992, 35, 125-151.	2.1	101
156	Sensation seeking in opposite-sex twins: An effect of prenatal hormones?. Behavior Genetics, 1993, 23, 323-329.	1.4	132
157	Is the gender difference in mental rotation disappearing?. Behavior Genetics, 1993, 23, 337-341.	1.4	305
158	Gender and Task in the Determination of Spatial Cognitive Performance. Psychology of Women Quarterly, 1993, 17, 71-83.	1.3	56
159	Adult toy purchases for children: Factors affecting sex-typed toy selection. Journal of Applied Developmental Psychology, 1993, 14, 385-406.	0.8	39
160	Effects of estrogen changes during the menstrual cycle on spatial performance. Ethology and Sociobiology, 1993, 14, 257-269.	1.4	152
161	Performance factors and gender-related differences in spatial ability: Another assessment. Memory and Cognition, 1993, 21, 828-836.	0.9	42
162	Relationship between gender and knowledge of U.S. state names and locations. Sex Roles, 1993, 28, 623-629.	1.4	4
163	Cognitive gender differences: A developmental perspective. Sex Roles, 1993, 29, 91-112.	1.4	48
164	Cognitive functioning in female patients with 21-hydroxylase deficiency. European Child and Adolescent Psychiatry, 1993, 2, 34-43.	2.8	11

#	Article	IF	Citations
165	Neuroanatomical correlates of age-sensitive and age-invariant cognitive abilities: An in vivo MRI investigation. Intelligence, 1993, 17, 407-422.	1.6	80
166	Gender differences in sexuality: A meta-analysis.. Psychological Bulletin, 1993, 114, 29-51.	5.5	1,020
167	Comparing the Tortoise and the Hare: Gender Differences and Experience in Dynamic Spatial Reasoning Tasks. Psychological Science, 1993, 4, 35-40.	1.8	125
168	Absence of a gender difference in a haptic version of the water-level task. Bulletin of the Psychonomic Society, 1993, 31, 57-60.	0.2	11
169	Congenital adrenal hyperplasia and cerebral lateralizations. Pediatric Neurology, 1993, 9, 198-201.	1.0	18
170	Handedness, Sex, Familial Sinistrality Effects on Spatial Tasks. Cortex, 1993, 29, 115-134.	1.1	154
171	Sex Differences in Cognitive Abilities among Irish Primary and Secondary School Children. Irish Journal of Psychology, 1993, 14, 293-300.	0.2	16
172	Sex Differences on the Chinese Standardization Sample of the WAIS-R. Journal of Genetic Psychology, 1993, 154, 459-463.	0.6	26
173	Patterns of Gender Differences on Mathematics Items on the Scholastic Aptitude Test. Applied Measurement in Education, 1993, 6, 137-151.	0.5	47
175	Sex Differences in the Aptitudes and Talents of Children as Judged by Peers and Teachers. Gifted Child Quarterly, 1993, 37, 69-77.	1.2	21
176	Spatial thinking among adolescents: A qualitative analysis of sex differences. Developmental Neuropsychology, 1993, 9, 199-206.	1.0	0
177	Skill at image generation: Handedness interacts with strategy preference for individuals majoring in spatial fields. Cognitive Neuropsychology, 1993, 10, 57-77.	0.4	9
178	Sex Differences in Formal Operations. Journal of Psychology: Interdisciplinary and Applied, 1993, 127, 419-425.	0.9	2
179	Sex Differences in Second-Language Ability. School Psychology International, 1993, 14, 275-279.	1.1	5
180	Gender differences in horizontality and verticality representation in relation to initial position of the stimuli.. Canadian Journal of Experimental Psychology, 1993, 47, 507-522.	0.7	23
181	Performance of male and female children, adolescents and adults on spatial tasks that involve everyday objects and settings.. Canadian Journal of Experimental Psychology, 1993, 47, 730-747.	0.7	13
182	Masking and visual field effects on a lateralized rod-and-frame test.. Canadian Journal of Experimental Psychology, 1993, 47, 26-37.	0.7	21
183	Gender differences in academically talented young students' mathematical reasoning: Patterns across age and subskills.. Journal of Educational Psychology, 1993, 85, 340-346.	2.1	81

#	Article	IF	Citations
184	Understanding person^space^map relations: Cartographic and developmental perspectives.. Developmental Psychology, 1993, 29, 739-752.	1.2	107
185	Psychological and Familial Aspects of Gender Identity Disorder. Child and Adolescent Psychiatric Clinics of North America, 1993, 2, 513-542.	1.0	14
186	The Neuropsychology of Sex-Related Differences in Brain and Specific Abilities. , 1994, , 59-113.		7
187	Cognitive Pattern in Men and Women Is Influenced by Fluctuations in Sex Hormones. Current Directions in Psychological Science, 1994, 3, 57-61.	2.8	279
188	Perceived Intellectual Performance Change Over Seven Years. Journal of Gerontology, 1994, 49, P108-P118.	2.0	36
189	Individual-Contextual Relationships and Mathematics Performance. Journal of Early Adolescence, 1994, 14, 449-470.	1.1	6
190	Chapter 16 The Supplantation of Mental Images through Graphics: Instructional Effects on Spatial Visualization Skills of Adults. Advances in Psychology, 1994, , 271-290.	0.1	7
191	Human physiology: Improving students' achievements through intelligent studyware. Journal of Science Education and Technology, 1994, 3, 263-269.	2.4	6
192	Effect of video game practice on spatial skills in girls and boys. Journal of Applied Developmental Psychology, 1994, 15, 13-32.	0.8	347
193	Effects of video game playing on measures of spatial performance: Gender effects in late adolescence. Journal of Applied Developmental Psychology, 1994, 15, 33-58.	0.8	270
194	The Hunter-Gatherer theory of spatial sex differences: Proximate factors mediating the female advantage in recall of object arrays. Ethology and Sociobiology, 1994, 15, 95-105.	1.4	377
195	Women's deficiency in water-level representation: present in visual conditions yet absent in haptic contexts. Acta Psychologica, 1994, 87, 19-32.	0.7	18
196	Gender differences in way-finding strategies: Relationship to spatial ability and spatial anxiety. Sex Roles, 1994, 30, 765-779.	1.4	606
197	Can Meta-Analysis Make Feminist Transformations In Psychology?. Psychology of Women Quarterly, 1994, 18, 451-462.	1.3	20
198	Stimulus features and sex differences in mental rotation test performance. Intelligence, 1994, 19, 51-64.	1.6	32
199	Sex differences in intelligence and brain size: A paradox resolved. Personality and Individual Differences, 1994, 17, 257-271.	1.6	242
200	Gender-related differences in cognitive abilities: Evidence from a medical school admissions testing program. Personality and Individual Differences, 1994, 17, 335-344.	1.6	54
201	Chapter 4 Gender differences in comprehension skills used in mathematical problem-solving by math-anxious and non-math-anxious students. International Journal of Educational Research, 1994, 21, 399-406.	1.2	0

#	Article	IF	Citations
202	Chapter 3 Meta-analytic contributions to the study of gender differences in mathematics â€" the relationship of mathematical and spatial skills. International Journal of Educational Research, 1994, 21, 361-371.	1.2	5
203	Bringing in the outsiders: reshaping the sciences of the future. Journal of Curriculum Studies, 1994, 26, 401-416.	1.2	110
204	Age-related Deficits in Intentional Memory for Spatial Location in Small-scale Space: A Meta-Analysis and Methodological Critique. Canadian Journal on Aging, 1994, 13, 353-367.	0.6	0
205	Gender Differences in Mental Rotation. Perceptual and Motor Skills, 1994, 78, 435-448.	0.6	98
206	Investigating the orientation effect on the water-level task: Who? When? and Why?. Developmental Psychology, 1994, 30, 893-904.	1.2	14
207	Water-Level Representation by Men and Women as a Function of Rod-And-Frame Test Proficiency and Visual and Postural Information. Perception, 1994, 23, 1321-1333.	0.5	30
208	A Multivariate Perspective on Sex Differences in Achievement and Later Performance Among Adolescents. Applied Measurement in Education, 1994, 7, 241-254.	0.5	3
209	Acquisition of Rule-Application Skills: Practice Schedules, Rule Types, and Working Memory. American Journal of Psychology, 1995, 108, 471.	0.5	1
210	MEMBERS OF THE TASK FORCE. Spine, 1995, 20, 3S-4S.	1.0	17
211	Illusory tilt and Euclidean schemes as factors in performance on the water-level task.. Journal of Experimental Psychology: Learning Memory and Cognition, 1995, 21, 1624-1638.	0.7	23
212	The influence of spatial ability on gender differences in mathematics college entrance test scores across diverse samples.. Developmental Psychology, 1995, 31, 697-705.	1.2	269
213	The science and politics of comparing women and men.. American Psychologist, 1995, 50, 145-158.	3.8	538
214	Content variations and performance on formal operational tasks by gender, social class and ability. Scandinavian Journal of Psychology, 1995, 36, 327-342.	0.8	1
215	Designing computer learning environments for engineering and computer science: The scaffolded knowledge integration framework. Journal of Science Education and Technology, 1995, 4, 103-126.	2.4	163
216	Cognitive gender differences among Israeli children. Sex Roles, 1995, 32, 469-484.	1.4	6
217	Spatial ability, handedness, and human sexual orientation. Psychoneuroendocrinology, 1995, 20, 487-497.	1.3	68
218	Influence of Social Interaction on Cognition. Journal of Higher Education, 1995, 66, 312-335.	1.9	18
219	Androgens and Therapeutic Aspects of Antiandrogens in Women. Journal of the Society for Gynecologic Investigation, 1995, 2, 577-592.	1.9	13

#	Article	IF	Citations
220	TYPES OF HIGH ABILITY: HIGHLY ABLE CHILDREN WITH AN UNBALANCED INTELLIGENCE STRUCTURE. European Journal of High Ability, 1995, 6, 38-48.	0.2	1
221	Blue versus Periwinkle: Color Identification and Gender. Perceptual and Motor Skills, 1995, 80, 27-32.	0.6	31
222	Youth Sport Participation and Associated Sex Differences on a Measure of Spatial Ability. Perceptual and Motor Skills, 1995, 81, 1099-1105.	0.6	9
223	Gender Difference in Horizontality Performance Before and After Training. Journal of Genetic Psychology, 1995, 156, 105-113.	0.6	11
224	Human behavioral sex differences: A role for gonadal hormones during early development?. Psychological Bulletin, 1995, 118, 55-107.	5.5	757
225	Physical Maturation and Phonological Skills in Children. International Journal of Behavioral Development, 1995, 18, 165-176.	1.3	2
226	Gender differences in structure, means and variances of hierarchically ordered ability dimensions. Learning and Instruction, 1995, 5, 37-62.	1.9	35
227	Gender differences in performance on tests of cognitive abilities: Experimental design issues and empirical results. Learning and Individual Differences, 1995, 7, 275-287.	1.5	34
228	Sexual selection and sex differences in spatial cognition. Learning and Individual Differences, 1995, 7, 289-301.	1.5	137
229	Cognition in social context. Learning and Individual Differences, 1995, 7, 341-362.	1.5	38
230	Sex-related differences in cognition: Development during early childhood. Learning and Individual Differences, 1995, 7, 249-271.	1.5	12
231	Gender-related differences in spatial ability and the k factor of general spatial ability in a population of academically talented students. Personality and Individual Differences, 1995, 19, 33-45.	1.6	57
232	Estrus-associated decrements in a water maze task are limited to acquisition. Physiology and Behavior, 1995, 57, 5-14.	1.0	263
233	Effect of spatial ability and sex on EEG power in high school students. International Journal of Psychophysiology, 1995, 20, 11-20.	0.5	8
234	The Space Factor in Mathematics: Gender Differences. Review of Educational Research, 1995, 65, 22-50.	4.3	103
235	Magnitude of sex differences in spatial abilities: A meta-analysis and consideration of critical variables.. Psychological Bulletin, 1995, 117, 250-270.	5.5	2,321
236	Gender Differences In Perceiving Internal State: Toward A His-And-Hers Model Of Perceptual Cue Use. Advances in Experimental Social Psychology, 1995, 27, 143-175.	2.0	50
237	Gender Differences in Mathematics and the Sciences: Can Attributional Retraining Improve the Performance of Gifted Females?. Gifted Child Quarterly, 1996, 40, 200-210.	1.2	78

#	Article	IF	Citations
238	Gender differences in dynamic spatial abilities. Personality and Individual Differences, 1996, 21, 599-607.	1.6	29
239	Sex differences in visual spatial ability in 9-year-old children. Intelligence, 1996, 23, 33-43.	1.6	39
240	A process-oriented model of cognitive sex differences. Learning and Individual Differences, 1996, 8, 3-24.	1.5	82
241	Gender, sex, and cognition: Considering the interrelationship between biological and environmental factors. Learning and Individual Differences, 1996, 8, 39-53.	1.5	30
242	Intelligence: Knowns and unknowns.. American Psychologist, 1996, 51, 77-101.	3.8	2,003
243	Erkundungen zur Kopfgeometrie (unter besonderer Beachtung der Einbeziehung kopfgeometrischer) Tj ETQq1 1 0.784314 rgBT /Ove lo 49-72.	1.0	0
244	Sexual selection and sex differences in mathematical abilities. Behavioral and Brain Sciences, 1996, 19, 229-247.	0.4	285
245	Do gender differences in spatial skills mediate gender differences in mathematics among high-ability students?. Behavioral and Brain Sciences, 1996, 19, 247-248.	0.4	2
246	All sex differences in cognitive ability may be explained by an X-Y homologous gene determining degrees of cerebral asymmetry. Behavioral and Brain Sciences, 1996, 19, 249-250.	0.4	1
247	Is there a comparative psychology of implicit mathematical knowledge?. Behavioral and Brain Sciences, 1996, 19, 250-250.	0.4	0
248	How important is spatial ability to mathematics?. Behavioral and Brain Sciences, 1996, 19, 251-251.	0.4	7
249	Omissions relevant to gender-linked mathematical abilities. Behavioral and Brain Sciences, 1996, 19, 251-252.	0.4	1
250	On an evolutionary model of sex differences in mathematics: Do the data support the theory?. Behavioral and Brain Sciences, 1996, 19, 252-252.	0.4	0
251	Arithmetic and old lace. Behavioral and Brain Sciences, 1996, 19, 252-253.	0.4	2
252	Differences in male and female cognitive abilities: Sexual selection or division of labor?. Behavioral and Brain Sciences, 1996, 19, 254-255.	0.4	0
253	Sex differences in mathematical abllity: Genes, environment, and evolution. Behavioral and Brain Sciences, 1996, 19, 255-256.	0.4	0
254	Mating, math achievement, and other multiple relationships. Behavioral and Brain Sciences, 1996, 19, 256-256.	0.4	1
255	Brain differences, anthropological stories, and educational implications. Behavioral and Brain Sciences, 1996, 19, 257-257.	0.4	0

#	Article	IF	Citations
256	A critic with a different perspective. Behavioral and Brain Sciences, 1996, 19, 257-258.	0.4	0
257	Some problematic links between hunting and geometry. Behavioral and Brain Sciences, 1996, 19, 258-259.	0.4	0
258	Resources dimorphism sexual selection and mathematics achievement. Behavioral and Brain Sciences, 1996, 19, 259-259.	0.4	0
259	Sexual-selection accounts of human characteristics: Just So Stories or scientific hypotheses?. Behavioral and Brain Sciences, 1996, 19, 259-260.	0.4	0
260	The logic of the sociobiological model Geary-style. Behavioral and Brain Sciences, 1996, 19, 261-261.	0.4	0
261	The twain shall meet: Uniting the analysis of sex differences and within-sex variation. Behavioral and Brain Sciences, 1996, 19, 262-262.	0.4	0
262	Spatial visualization and sex-related differences in mathematical problem solving. Behavioral and Brain Sciences, 1996, 19, 262-263.	0.4	1
263	Able youths and achievement tests. Behavioral and Brain Sciences, 1996, 19, 263-264.	0.4	2
264	We are far from understanding sex-related differences in spatial-mathematical abilities despite the theory of sexual selection. Behavioral and Brain Sciences, 1996, 19, 264-264.	0.4	0
265	Between-sex differences are often averaging artifacts. Behavioral and Brain Sciences, 1996, 19, 265-265.	0.4	1
266	Sex differences and evolutionary by-products. Behavioral and Brain Sciences, 1996, 19, 265-266.	0.4	0
267	Genetic influences on sex differences in outstanding mathematical reasoning ability. Behavioral and Brain Sciences, 1996, 19, 266-267.	0.4	0
268	On the biology and politics of cognitive sex differences. Behavioral and Brain Sciences, 1996, 19, 267-284.	0.4	0
269	Still far too sexy a topic. Behavioral and Brain Sciences, 1996, 19, 248-249.	0.4	2
270	Mary has more: Sex differences, autism, coherence, and theory of mind. Behavioral and Brain Sciences, 1996, 19, 253-254.	0.4	3
271	Conscious and unconscious retrieval in picture recognition: A framework for exploring gender differences.. Journal of Personality and Social Psychology, 1996, 70, 637-645.	2.6	14
272	Concerns about drawing causal inferences from meta-analyses: An example in the study of gender differences in aggression.. Psychological Bulletin, 1996, 119, 410-421.	5.5	158
273	Computer experience and gender differences in undergraduate mental rotation performance. Computers in Human Behavior, 1996, 12, 351-361.	5.1	76

#	Article	IF	Citations
274	Understanding Individual Differences in Spatial Ability within Females: A Nature/Nurture Interactionist Framework. Developmental Review, 1996, 16, 241-260.	2.6	87
275	Can Spatial Training Erase the Gender Differences on the Water-Level Task?. Psychology of Women Quarterly, 1996, 20, 549-567.	1.3	59
276	On the Magnitude of Laterality Effects and Sex Differences in Functional Lateralities. Laterality, 1996, 1, 51-84.	0.5	210
277	The Water-Level Task. Current Directions in Psychological Science, 1996, 5, 171-177.	2.8	45
278	Determinants of Gender Related Subject Choice. A Longitudinal Study in Secondary Education. Educational Research and Evaluation, 1996, 2, 185-209.	0.9	12
279	Gender Differences in Performance on the DTM Subtest in the Swedish Scholastic Aptitude Test as a Function of Item Position and Cognitive Demands. Scandinavian Journal of Educational Research, 1996, 40, 189-201.	1.0	3
280	Node-Link Mapping as an Alternative to Traditional Writing Assignments in Undergraduate Psychology Courses. Teaching of Psychology, 1996, 23, 91-96.	0.7	17
281	Changes in Scores on the Mental Rotations Test during the Menstrual Cycle. Perceptual and Motor Skills, 1997, 84, 955-961.	0.6	32
282	Mean Differences among Subcomponents of Vandenberg's Mental Rotation Test. Perceptual and Motor Skills, 1997, 85, 323-332.	0.6	8
283	Sex Differences in Visual-Spatial Performance among Ghanaian and Norwegian Adults. Journal of Cross-Cultural Psychology, 1997, 28, 81-92.	1.0	12
284	Testâ€“Retest Results for the ECAT Battery. Military Psychology, 1997, 9, 39-47.	0.7	6
285	Models of the self: Self-construals and gender.. Psychological Bulletin, 1997, 122, 5-37.	5.5	2,006
286	The Role of Spatial Reasoning in Engineering and the Design of Spatial Instruction. Journal of Engineering Education, 1997, 86, 151-158.	1.9	168
287	Individual differences in use of diagrams as external memory in mechanical reasoning. Learning and Individual Differences, 1997, 9, 19-42.	1.5	77
288	Effect of spatial ability and sex inter- and intrahemispheric correlation of EEG activity. Electroencephalography and Clinical Neurophysiology, 1997, 102, 5-11.	0.3	38
289	Differences in the Relationship of Menstrual Cycle Phase to Spatial Performance on Two- and Three-Dimensional Tasks. Hormones and Behavior, 1997, 32, 167-175.	1.0	82
290	Mental rotation as a mediator for sex-related differences in visualization. Intelligence, 1997, 24, 405-416.	1.6	6
291	Superior spatial memory of women: Stronger evidence for the gathering hypothesis. Evolution and Human Behavior, 1997, 18, 165-174.	1.4	168

#	Article	IF	Citations
292	GENDER-RELATED STRATEGIES IN ENVIRONMENTAL DEVELOPMENT: EFFECTS OF ANXIETY ON WAYFINDING IN AND REPRESENTATION OF A THREE-DIMENSIONAL MAZE. Journal of Environmental Psychology, 1997, 17, 215-228.	2.3	92
293	Preservice Secondary Education Majors and Visual-Spatial Perception: An Important Cognitive Aptitude in the Teaching of Science and Mathematics. Journal of Science Teacher Education, 1997, 8, 43-53.	1.4	11
294	Visual spatial processing and its relation to the corpus callosum. Klinische Neuroradiologie, 1997, 7, 122-128.	0.9	3
295	Does spatial aptitude influence science-math subject preferences of children?. Journal of Elementary Science Education, 1997, 9, 67-81.	0.5	7
296	Adult's failures on euclidean and projective spatial tasks: Implications for characterizing spatial cognition. Journal of Adult Development, 1997, 4, 57-69.	0.8	4
297	Genes and social skills. BioEssays, 1997, 19, 1125-1127.	1.2	12
298	A neuropsychologic profile of homosexual and heterosexual men and women. Archives of Sexual Behavior, 1998, 27, 91-108.	1.2	63
299	Title is missing!. Sex Roles, 1998, 38, 1009-1023.	1.4	36
300	The gender difference on the Mental Rotations test is not due to performance factors. Memory and Cognition, 1998, 26, 444-448.	0.9	61
301	Peer collaboration and children's representation of the horizontal surface of liquid. Journal of Applied Developmental Psychology, 1998, 19, 571-592.	0.8	19
302	The development of calibration-based reasoning about collision events in young infants. Cognition, 1998, 67, 311-351.	1.1	127
303	Gender differences in visuo-spatial processing: The importance of distinguishing between passive storage and active manipulation. Acta Psychologica, 1998, 99, 1-16.	0.7	89
304	Navigation in a â€œVirtualâ€•Maze: Sex Differences and Correlation With Psychometric Measures of Spatial Ability in Humans. Evolution and Human Behavior, 1998, 19, 73-87.	1.4	424
305	Spatial Ability, Navigation Strategy, and Geographic Knowledge Among Men and Women. Evolution and Human Behavior, 1998, 19, 89-98.	1.4	379
306	COGNITIVE ABILITY AND CEREBRAL LATERALISATION IN TRANSSEXUALS. Psychoneuroendocrinology, 1998, 23, 631-641.	1.3	74
307	A characterization of performance by men and women in a virtual Morris water task:. Behavioural Brain Research, 1998, 93, 185-190.	1.2	439
308	Use of landmarks in cognitive mapping: Gender differences in self report versus performance. Personality and Individual Differences, 1998, 24, 595-601.	1.6	62
309	Males and females use different distal cues in a virtual environment navigation task. Cognitive Brain Research, 1998, 6, 351-360.	3.3	418

#	Article	IF	Citations
310	Effects of Sex and Laterality on the Rotatory Swimming Behavior of Normal Mice. Physiology and Behavior, 1998, 65, 607-616.	1.0	15
311	Three-Dimensional Representations of Contour Maps. Contemporary Educational Psychology, 1998, 23, 22-41.	1.6	15
312	Intrapersonal motor but not extrapersonal targeting skill is enhanced during the midluteal phase of the menstrual cycle. Developmental Neuropsychology, 1998, 14, 385-398.	1.0	28
313	Gender Differences on High School Science Achievement Tests: Do Format and Content Matter?. Educational Evaluation and Policy Analysis, 1998, 20, 179-195.	1.6	25
314	A reexamination of the visuospatial deficit in turner syndrome: Contributions of working memory. Developmental Neuropsychology, 1998, 14, 341-367.	1.0	52
315	On the Reliability and Validity of Noninvasive Laterality Measures. Brain and Cognition, 1998, 36, 209-236.	0.8	67
316	Event-Related Potentials in Homosexual and Heterosexual Men and Women: Sex-Dimorphic Patterns in Verbal Asymmetries and Mental Rotation. Brain and Cognition, 1998, 36, 73-92.	0.8	42
317	Sex Differences in Object Location Memory. Brain and Cognition, 1998, 36, 334-345.	0.8	110
318	Sex Differences in Right Hemisphere Tasks. Brain and Cognition, 1998, 36, 377-389.	0.8	56
319	Androgenâ€“Behavior Correlations in Hypogonadal Men and Eugonadal Men. Hormones and Behavior, 1998, 33, 85-94.	1.0	147
320	Key Components of the Mozart Effect. Perceptual and Motor Skills, 1998, 86, 835-841.	0.6	106
321	Gender-Related Differences in Academically Talented Students' Scores and Use of Time on Tests of Spatial Ability. Gifted Child Quarterly, 1998, 42, 157-171.	1.2	20
322	Relation Between Language Lateralisation and Spatial Ability in Gay and Straight Women and Men. Laterality, 1998, 3, 227-239.	0.5	7
323	Spatial reasoning in children with congenital adrenal hyperplasia due to 21â€hydroxylase deficiency. Developmental Neuropsychology, 1998, 14, 299-320.	1.0	154
324	Spatial Ability in Children's Play with Lego Blocks. Perceptual and Motor Skills, 1998, 87, 19-28.	0.6	65
325	Sex differences in anatomic measures of interhemispheric connectivity: correlations with cognition in women but not men. Cerebral Cortex, 1998, 8, 635-640.	1.6	192
326	Mental representations of large and small spatial layouts are orientation dependent.. Journal of Experimental Psychology: Learning Memory and Cognition, 1998, 24, 215-226.	0.7	155
327	A role for ovarian hormones in sexual differentiation of the brain. Behavioral and Brain Sciences, 1998, 21, 311-327.	0.4	157

#	Article	IF	Citations
328	Sex Dimorphisms in the Rate of Age-Related Decline in Spatial Memory: Relevance to Alterations in the Estrous Cycle. Journal of Neuroscience, 1999, 19, 8122-8133.	1.7	186
329	Development of Sex Differences in Spatial Memory. Perceptual and Motor Skills, 1999, 89, 339-350.	0.6	34
330	Writing Chinese Characters and Success on Mental Rotation Test. Perceptual and Motor Skills, 1999, 88, 1261-1270.	0.6	12
331	Childrenâ€™s Play Preferences, Construction Play with Blocks, and Visual-spatial Skills: Are they Related?. International Journal of Behavioral Development, 1999, 23, 855-872.	1.3	100
332	Visualization in Mathematics Learning: Arithmetic Problem-Solving and Student Difficulties. Journal of Mathematical Behavior, 1999, 18, 169-190.	0.5	53
333	Sex-Related Differences and Similarities in Geographic and Environmental Spatial Abilities. Annals of the American Association of Geographers, 1999, 89, 515-534.	3.0	238
334	Sex differences in visuospatial working memory: Components of cognitive processing. Psychonomic Bulletin and Review, 1999, 6, 464-471.	1.4	90
335	Gender Differences in Pointing Accuracy in Computer-Simulated 3D Mazes. Sex Roles, 1999, 40, 73-92.	1.4	88
336	Hormones and cognition: current concepts and issues in neuropsychology. Neuropsychology Review, 1999, 9, 175-207.	2.5	38
337	Children's journey to school: Spatial skills, knowledge and perceptions of the environment. British Journal of Developmental Psychology, 1999, 17, 125-139.	0.9	60
338	Types of visualâ€“spatial representations and mathematical problem solving.. Journal of Educational Psychology, 1999, 91, 684-689.	2.1	442
339	Spatial ability and transformational geometry. European Journal of Psychology of Education, 1999, 14, 283-294.	1.3	26
340	The Effect of Early Music Training on Child Cognitive Development. Journal of Applied Developmental Psychology, 1999, 20, 615-636.	0.8	142
341	Sex differences and menstrual cycle effects in human spatial memory. Psychoneuroendocrinology, 1999, 24, 175-192.	1.3	96
342	Activating effects of cross-sex hormones on cognitive functioning: a study of short-term and long-term hormone effects in transsexuals. Psychoneuroendocrinology, 1999, 24, 423-447.	1.3	146
343	Testosterone levels and spatial ability in men. Psychoneuroendocrinology, 1999, 24, 813-822.	1.3	141
344	Correlations Between Self-Estimated and Psychometrically Measured IQ. Journal of Social Psychology, 1999, 139, 405-410.	1.0	73
345	Reference memory, anxiety and estrous cyclicity in C57BL/6NIA mice are affected by age and sex. Neuroscience, 1999, 95, 293-307.	1.1	229

#	Article	IF	Citations
346	Gender and intra-observer agreement about laryngoscopy of papilloma. International Journal of Pediatric Otorhinolaryngology, 1999, 50, 125-131.	0.4	5
347	Gender differences in Morris water maze performance depend on task parameters. Physiology and Behavior, 1999, 68, 81-86.	1.0	133
348	Sex Differences in Spatial Abilities: An Evolutionary Explanation. Irish Journal of Psychology, 1999, 20, 95-106.	0.2	4
349	Phasenmodell sich entwickelnder ProblemlÃ¶sestrategien bei rÃumlich-geometrischem Material. Journal Fur Mathematik-Didaktik, 1999, 20, 166-185.	1.0	3
350	Assessment of cognitive development in adolescents by means of neuropsychological tasks. Developmental Neuropsychology, 1999, 15, 227-248.	1.0	32
351	Sex Differences in Cognition: The Role of Testosterone and Sexual Orientation. Brain and Cognition, 1999, 41, 245-262.	0.8	110
352	GRAPHICAL MODELING: A NEW RESPONSE TYPE FOR MEASURING THE QUALITATIVE COMPONENT OF MATHEMATICAL REASONING. ETS Research Report Series, 1999, 1999, i.	0.5	3
353	Biopsychological and Cognitive Differences in Children With Premature vs On-Time Adrenarche. JAMA Pediatrics, 1999, 153, 137-46.	3.6	60
354	Hand Preference as Related to Development and Behavior in Infancy. Perceptual and Motor Skills, 1999, 89, 371-380.	0.6	8
355	Effects of Sex, Gender Schema, and Gender-Related Activities on Mental Rotation. Perceptual and Motor Skills, 1999, 88, 342-350.	0.6	2
356	Sex hormones affect spatial abilities during the menstrual cycle.. Behavioral Neuroscience, 2000, 114, 1245-1250.	0.6	323
357	Individual differences in spatial learning from computer-simulated environments.. Journal of Experimental Psychology: Applied, 2000, 6, 307-321.	0.9	119
358	Linking theory of mind and central coherence bias in autism and in the general population.. Developmental Psychology, 2000, 36, 126-138.	1.2	204
359	A Comparison of Sex Differences in Visual-Spatial Performance from Preadolescence to Adulthood in Ghana and Norway. South African Journal of Psychology, 2000, 30, 25-31.	1.0	6
360	Cognitive and gender factors influencing navigation in a virtual environment. International Journal of Human Computer Studies, 2000, 53, 223-249.	3.7	114
361	Neurobehavioral phenotype of Klinefelter syndrome. Mental Retardation and Developmental Disabilities Research Reviews, 2000, 6, 107-116.	3.5	176
362	043.12â€¨SPATIAL INFORMATION TRANSFER FROM VIRTUAL TO REAL VERSIONS OF THE KIEL LOCOMOTOR MAZE. European Journal of Neuroscience, 2000, 12, 3450-3450.	1.2	0
363	Evolved mechanisms underlying wayfinding. Evolution and Human Behavior, 2000, 21, 201-213.	1.4	267

#	Article	IF	Citations
364	Effects of testosterone administration on selective aspects of object-location memory in healthy young women. Psychoneuroendocrinology, 2000, 25, 563-575.	1.3	110
365	Cognitive and vestibulo-proprioceptive components of spatial ability in Parkinsonâ€™s disease. Neuropsychologia, 2000, 38, 757-767.	0.7	27
366	Hemispheric lateralisation in a manualâ€“verbal task combination: the role of modality and gender. Neuropsychologia, 2000, 38, 1018-1027.	0.7	22
367	Sex differences in duration judgments: A meta-analytic review. Memory and Cognition, 2000, 28, 1333-1346.	0.9	117
368	The evolution of sex differences in language, sexuality, and visual-spatial skills. Archives of Sexual Behavior, 2000, 29, 35-66.	1.2	53
369	Allocentric visuospatial processing in patients with cerebral gliomas: a neurocognitive assessment. Journal of Neuro-Oncology, 2000, 49, 235-248.	1.4	8
370	The Relation Between Experience and Spatial Performance in Men and Women. Sex Roles, 2000, 43, 891-915.	1.4	90
371	THE RELATIONS AMONG WAYFINDING STRATEGY USE, SENSE OF DIRECTION, SEX, FAMILIARITY, AND WAYFINDING ABILITY. Journal of Environmental Psychology, 2000, 20, 177-191.	2.3	139
372	Parentsâ€™ estimates of their own and their children's multiple intelligences. British Journal of Developmental Psychology, 2000, 18, 583-594.	0.9	90
373	Self-estimates and population estimates of ability in men and women. Australian Journal of Psychology, 2000, 52, 23-28.	1.4	43
374	Gender Differences in Spatial Task Performance as a Function of Speed or Accuracy Orientation. Sex Roles, 2000, 43, 359-376.	1.4	42
375	Improving Students' Flexibility of Closure While Presenting Biology Content. American Biology Teacher, 2000, 62, 177-180.	0.1	6
376	College Students' Performance on Associated, Corresponding Tasks for Horizontality. Perceptual and Motor Skills, 2000, 90, 1071-1078.	0.6	1
377	Virtual Environments and the Enhancement of Spatial Behavior: Towards a Comprehensive Research Agenda. Presence: Teleoperators and Virtual Environments, 2000, 9, 593-615.	0.3	55
378	Gender Differences and Changes in Cognitive Abilities Across the Adult Life Span. Aging, Neuropsychology, and Cognition, 2000, 7, 32-53.	0.7	89
379	Learning to Make Music Enhances Spatial Reasoning. Journal of Aesthetic Education, 2000, 34, 179.	0.1	166
380	Three Response Types for Broadening the Conception of Mathematical Problem Solving in Computerized Tests. Applied Psychological Measurement, 2000, 24, 294-309.	0.6	36
381	Listening to Music Enhances Spatial-Temporal Reasoning: Evidence for the "Mozart Effect". Journal of Aesthetic Education, 2000, 34, 105.	0.1	124

#	Article	IF	Citations
382	Sex Differences on a Computerized Mental Rotation Task Disappear with Computer Familiarization. Perceptual and Motor Skills, 2000, 91, 1027-1034.	0.6	29
383	Sex Differences in Spatial Cognition, Computational Fluency, and Arithmetical Reasoning. Journal of Experimental Child Psychology, 2000, 77, 337-353.	0.7	205
384	Negligible Sex Differences in General Intelligence. Intelligence, 2000, 28, 57-68.	1.6	90
385	Spatial information transfer from virtual to real versions of the Kiel locomotor maze. Behavioural Brain Research, 2000, 112, 53-61.	1.2	51
386	Impossible â€œmental rotationâ€•problems. Learning and Individual Differences, 2000, 12, 253-269.	1.5	48
387	Classroom keyboard instruction improves kindergarten childrenâ€™s spatial-temporal performance: A field experiment. Early Childhood Research Quarterly, 2000, 15, 215-228.	1.6	109
388	Sexually dimorphic cognitive style, female sex hormones, and cortical nitric oxide. Physiology and Behavior, 2000, 71, 277-287.	1.0	20
389	Effects of Gender and Collaboration on College Students' Performance on a Piagetian Spatial Task. Journal of Experimental Education, 2000, 69, 22-35.	1.6	12
390	Sex Differences on a Mental Rotation Task: Variations in Electroencephalogram Hemispheric Activation Between Children and College Students. Developmental Neuropsychology, 2000, 17, 199-223.	1.0	104
391	Effect of Sex and Joystick Experience on Pursuit Tracking in Adults. Journal of Motor Behavior, 2000, 32, 45-56.	0.5	12
392	Are Evolutionary Explanations Unfalsifiable? Evolutionary Psychology and the Lakatosian Philosophy of Science. Psychological Inquiry, 2000, 11, 1-21.	0.4	149
393	Graphical Modeling: A New Response Type for Measuring the Qualitative Component of Mathematical Reasoning. Applied Measurement in Education, 2000, 13, 303-322.	0.5	7
394	Strategies of processing spatial information in survey and landmark-centred individuals. European Journal of Cognitive Psychology, 2001, 13, 493-508.	1.3	129
395	Stereotypes and Steroids: Using a Psychobiosocial Model to Understand Cognitive Sex Differences. Brain and Cognition, 2001, 45, 392-414.	0.8	105
396	Shared Processes in Spatial Rotation and Musical Permutation. Brain and Cognition, 2001, 46, 373-382.	0.8	29
397	Dyslexia and Visual-Spatial Talents: Compensation vs Deficit Model. Brain and Language, 2001, 76, 81-110.	0.8	78
398	Menstrual Cycle Variation in Spatial Ability: Relation to Salivary Cortisol Levels. Hormones and Behavior, 2001, 39, 29-38.	1.0	90
399	Assessing Ideational Fluency in Primary Students in Hong Kong. Creativity Research Journal, 2001, 13, 359-365.	1.7	48

#	Article	IF	Citations
400	STRUCTURAL CHEMISTRY AND SPATIAL ABILITY IN DIFFERENT CULTURES. Chemistry Education Research and Practice, 2001, 2, 227-239.	1.4	20
401	Cognitive Functioning in the Last Year of Life as a Function of Age, Gender, and Race. Experimental Aging Research, 2001, 27, 241-256.	0.6	2
402	Sex Steroids and Human Behavior: Implications for Developmental Psychopathology. CNS Spectrums, 2001, 6, 75-88.	0.7	12
403	Gender differences in planning, attention, simultaneous, and successive (PASS) cognitive processes and achievement.. Journal of Educational Psychology, 2001, 93, 430-437.	2.1	60
405	Seeing trees but not the forest. Neurology, 2001, 56, 724-729.	1.5	24
406	INDIVIDUAL DIFFERENCES IN PERFORMANCE ON A LARGE-SCALE, REAL-WORLD WAYFINDING TASK. Journal of Environmental Psychology, 2001, 21, 73-82.	2.3	113
407	Gender and Regional Differences in Spatial Referents Used in Direction Giving. Sex Roles, 2001, 44, 321-337.	1.4	78
408	Testosterone increases analgesia, anxiolysis, and cognitive performance of male rats. Cognitive, Affective and Behavioral Neuroscience, 2001, 1, 371-381.	1.0	206
409	Gender differences in reading performance on documents across countries. Reading and Writing, 2001, 14, 1-38.	1.0	19
410	Determinants, Detection and Amelioration of Adverse Impact in Personnel Selection Procedures: Issues, Evidence and Lessons Learned. International Journal of Selection and Assessment, 2001, 9, 152-194.	1.7	343
411	Gender and Strain Influence on Neurogenesis in Dentate Gyrus of Young Rats. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 211-217.	2.4	76
412	Visuo-spatial processing in congenitally blind people: is there a gender-related preference?. Personality and Individual Differences, 2001, 30, 1361-1370.	1.6	13
414	Relationship Between Visual and Nonvisual Solution Methods and Difficulty in Elementary Mathematics. Journal of Educational Research, 2001, 94, 248-255.	0.8	41
415	Are hormone levels and cognitive ability related during early adolescence?. International Journal of Behavioral Development, 2001, 25, 416-428.	1.3	40
416	Spatial-Mechanical Reasoning Skills versus Mathematics Self-Confidence as Mediators of Gender Differences on Mathematics Subtests Using Cross-National Gender-Based Items. Journal for Research in Mathematics Education, 2001, 32, 28.	1.0	96
417	Visual-Spatial Strength in Dyslexia. Journal of Learning Disabilities, 2001, 34, 380-391.	1.5	50
418	Mental Rotation and Real-World Wayfinding. Perceptual and Motor Skills, 2001, 92, 19-30.	0.6	68
419	Spatial Task Performance, Sex Differences, and Motion Sickness Susceptibility. Perceptual and Motor Skills, 2002, 95, 425-431.	0.6	11

#	Article	IF	Citations
420	Sex differences in syntactic development: Evidence from Cantonese-speaking preschoolers in Hong Kong. International Journal of Behavioral Development, 2002, 26, 509-517.	1.3	27
421	Dear Santa: The effects of television advertising on young children. International Journal of Behavioral Development, 2002, 26, 529-539.	1.3	40
422	Sexual Differentiation of Human Brain and Behavior. , 2002, , 425-462.		27
423	Archaeology and cognitive evolution. Behavioral and Brain Sciences, 2002, 25, 389-402.	0.4	407
424	Self-Estimated Intelligence. European Psychologist, 2002, 7, 275-284.	1.8	52
425	Hemispheric specialisation, spatial activity experience, and sex differences on tests of mental rotation ability. Laterality, 2002, 7, 59-74.	0.5	22
427	Foster-Placed and Adopted Children Exposed In Utero to Opiates and Other Substances: Prediction and Outcome at Four and a Half Years. Journal of Developmental and Behavioral Pediatrics, 2002, 23, 330-339.	0.6	73
428	The effects of sex steroids on spatial performance: A review and an experimental clinical investigation.. Developmental Psychology, 2002, 38, 236-253.	1.2	66
429	The role of self-to-object updating in orientation-free performance on spatial-memory tasks.. Journal of Experimental Psychology: Learning Memory and Cognition, 2002, 28, 422-436.	0.7	28
430	Right-Left Discrimination in Younger and Older Children Measured with Two Tests Containing Stimuli on Different Abstraction Levels. Perceptual and Motor Skills, 2002, 94, 707-719.	0.6	6
431	Birth Order, Birth Interval, and Deviant Sexual Preferences Among Sex Offenders. Sexual Abuse: Journal of Research and Treatment, 2002, 14, 67-81.	0.9	20
432	Cognitive and Behavioral Characteristics of Turner Syndrome: Exploring a Role for Ovarian Hormones in Female Sexual Differentiation. Hormones and Behavior, 2002, 41, 139-155.	1.0	45
433	Large Visuospatial Sex Difference in Line Judgment: Possible Role of Attentional Factors. Brain and Cognition, 2002, 49, 1-12.	0.8	78
434	Student Motivation and Self-Regulated Learning in the College Classroom. Higher Education, 2002, , 55-128.	0.9	122
435	Improving Children's Mental Rotation Accuracy With Computer Game Playing. Journal of Genetic Psychology, 2002, 163, 272-282.	0.6	242
436	Far Bias On the Radial Line Bisection Task: Measuring Perceptual-Attentional and Motor-Intentional Bias in Normal Subjects. Cortex, 2002, 38, 769-778.	1.1	21
437	Distance Distortion: A Comparison of Real World and Computer Animated Environments. Journal of Interior Design, 2002, 28, 26-36.	0.4	4
438	Symmetry in knapped stones is real, not romanced. Behavioral and Brain Sciences, 2002, 25, 409-410.	0.4	1

#	Article	IF	Citations
439	Effects of perinatal exposure to PCBs and dioxins on play behavior in Dutch children at school age.. Environmental Health Perspectives, 2002, 110, A593-8.	2.8	162
440	National Assessment of New Standards for Mathematics in Elementary Education in Flanders. Educational Research and Evaluation, 2002, 8, 197-225.	0.9	8
441	Spatial bias: effects of early reading direction on Korean subjects. Neuropsychologia, 2002, 40, 1003-1012.	0.7	32
442	Women and men exhibit different cortical activation patterns during mental rotation tasks. Neuropsychologia, 2002, 40, 2397-2408.	0.7	326
443	Does gender role socialization mediate sex differences in mental rotations?. Personality and Individual Differences, 2002, 32, 1101-1111.	1.6	26
444	Neurobehavioral effects of dietary soy phytoestrogens. Neurotoxicology and Teratology, 2002, 24, 5-16.	1.2	187
445	How did you get here from there? Verbal overshadowing of spatial mental models. Applied Cognitive Psychology, 2002, 16, 897-910.	0.9	31
446	Mediation in a sibling context: the relations of older siblings' mediating behaviour and younger siblings' task performance. Infant and Child Development, 2002, 11, 321-333.	0.9	33
447	The effects of age and sex on mental rotation performance, verbal performance, and brain electrical activity. Developmental Psychobiology, 2002, 40, 391-407.	0.9	43
449	Using a cross section to train veterinary students to visualize anatomical structures in three dimensions. Journal of Research in Science Teaching, 2002, 39, 10-34.	2.0	49
451	Visual Categorization with Aerial Photographs. Annals of the American Association of Geographers, 2002, 92, 241-266.	3.0	33
452	Real-World Knowledge through Real-World Maps: A Developmental Guide for Navigating the Educational Terrain. Developmental Review, 2002, 22, 267-322.	2.6	62
453	Who are tomboys and why should we study them?. Archives of Sexual Behavior, 2002, 31, 333-341.	1.2	59
454	The effects of estrogen replacement therapy on neuropsychological functioning in postmenopausal women with and without dementia: a critical and theoretical review. Neuropsychology Review, 2002, 12, 65-109.	2.5	110
455	Title is missing!. Sex Roles, 2002, 47, 389-401.	1.4	222
456	Girls' spatial abilities: Charting the contributions of experiences and attitudes in different academic groups. British Journal of Educational Psychology, 2002, 72, 245-260.	1.6	81
457	Improvement of Mental Rotation in Girls and Boys. Sex Roles, 2003, 49, 277-286.	1.4	30
458	Navigational place learning in children and young adults as assessed with a standardized locomotor search task. British Journal of Psychology, 2003, 94, 299-317.	1.2	62

#	Article	IF	Citations
459	Otoacoustic emissions, auditory evoked potentials, and traits related to sex and sexual orientation. Archives of Sexual Behavior, 2003, 32, 115-127.	1.2	24
460	Does menâ€™s advantage in mental rotation persist when real three-dimensional objects are either felt or seen?. Memory and Cognition, 2003, 31, 1136-1145.	0.9	42
461	Sex-sensitive cognitive performance in untreated patients with early onset gender identity disorder. Psychoneuroendocrinology, 2003, 28, 906-915.	1.3	113
462	Spatial abilities following prenatal androgen abnormality: targeting and mental rotations performance in individuals with congenital adrenal hyperplasia. Psychoneuroendocrinology, 2003, 28, 1010-1026.	1.3	211
463	Event-mapping tasks: investigating the effects of prior information and event complexity on performance. , 2003, 26, 568-587.		15
464	Male mice exhibit better spatial working and reference memory than females in a water-escape radial arm maze task. Brain Research, 2003, 982, 98-107.	1.1	71
465	Dyslexia linked to talent: Global visual-spatial ability. Brain and Language, 2003, 85, 427-431.	0.8	158
466	Processes underlying sex differences in route-learning strategies in children and adolescents. Personality and Individual Differences, 2003, 34, 1153-1166.	1.6	56
467	Sex differences in cognitive functions. Personality and Individual Differences, 2003, 35, 863-875.	1.6	262
468	Beyond women's health. Medical Clinics of North America, 2003, 87, 917-937.	1.1	33
469	Is Listening to Mozart the Only Way to Enhance Spatial Reasoning?. Perceptual and Motor Skills, 2003, 97, 1163-1174.	0.6	15
470	Knowing How to Project Objects: Probing the Generality of Children's Action Knowledge. Journal of Cognition and Development, 2003, 4, 383-414.	0.6	9
471	The Nine Box Maze Test: A measure of spatial memory development in children. Brain and Cognition, 2003, 52, 144-154.	0.8	24
472	Two- and three-dimensional mental rotation tasks lead to different parietal laterality for men and women. International Journal of Psychophysiology, 2003, 50, 235-246.	0.5	123
473	The Mental Cutting Test "Schnitte" and the Picture Rotation Test-Two New Measures to Assess Spatial Ability. International Journal of Testing, 2003, 3, 219-231.	0.2	58
474	A Mozart Effect for Women on a Mental Rotations Task. Perceptual and Motor Skills, 2003, 96, 1086-1092.	0.6	17
475	The Effect of Age-Related Cognitive Differences, Task Complexity and Prior Internet Experience in the Use of an On-line Grocery Shop. Spatial Cognition and Computation, 2003, 3, 61-84.	0.6	11
476	A 3D Virtual Environment Rod and Frame Test: The Reliability and Validity of Four Traditional Scoring Methods for Older Adults. Journal of Clinical and Experimental Neuropsychology, 2003, 25, 1169-1177.	0.8	11

#	Article	IF	Citations
477	Changes in Saccadic Latencies over the Human Menstrual Cycle. Perceptual and Motor Skills, 2003, 96, 1197-1214.	0.6	1
478	Comparing Performance of Pupils with High Spatial-Low Numerical and High Numerical-Low Spatial Scores on a Standardized Mathematics Test in the United Kingdom. Perceptual and Motor Skills, 2003, 97, 83-96.	0.6	0
479	Spatial Strategy Selection: Interesting Incremental Information. International Journal of Testing, 2003, 3, 293-308.	0.2	78
480	Androgen-Responsive Aspects of Cognition in Girls with Turner Syndrome. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 292-296.	1.8	61
481	Sex Differences in the Behavioral Response to Spatial and Object Novelty in Adult C57BL/6 Mice.. Behavioral Neuroscience, 2003, 117, 1283-1291.	0.6	173
482	Sexual orientation related differences in spatial memory. Journal of the International Neuropsychological Society, 2003, 9, 376-383.	1.2	51
483	Mental object rotation in Parkinson's disease. Journal of the International Neuropsychological Society, 2003, 9, 1078-1087.	1.2	27
484	The relation between spatial and mathematical abilities: Potential factors underlying suppression. International Journal of Psychology, 2003, 38, 11-23.	1.7	20
485	WHAT IS QUANTITATIVE REASONING? DEFINING THE CONSTRUCT FOR ASSESSMENT PURPOSES. ETS Research Report Series, 2003, 2003, i.	0.5	10
486	The evolution of sex differences in spatial ability.. Behavioral Neuroscience, 2003, 117, 403-411.	0.6	236
487	Escaping stereotypes: Educational attitudes of male alumni of single-sex and coed schools.. Psychology of Men and Masculinity, 2003, 4, 136-148.	1.0	11
488	Visual spatial ability in Parkinson s disease Gregory P Crucian and Michael S Okun. Frontiers in Bioscience - Landmark, 2003, 8, s992-997.	3.0	52
489	Experiential Factors in Sex Differences on Mental Rotation. Perceptual and Motor Skills, 2003, 96, 1062-1070.	0.6	16
490	Research on the Women and Mathematics Issue: A Personal Case History. , 2004, , 1-24.		8
491	Spatial Ability as a Mediator of Gender Differences on Mathematics Tests: A Biologicalâ€“Environmental Framework. , 2004, , 121-142.		9
492	Role of Strategies and Prior Exposure in Mental Rotation. Perceptual and Motor Skills, 2004, 98, 1269-1282.	0.6	17
493	Throwing Accuracy during Prism Adaptation: Male Advantage for Throwing Accuracy is Independent of Prism Adaptation Rate. Perceptual and Motor Skills, 2004, 98, 1449-1455.	0.6	9
494	Distance Underestimation in Virtual Space Is Sensitive to Gender But Not Activity-Passivity or Mode of Interaction. Cyberpsychology, Behavior and Social Networking, 2004, 7, 451-457.	2.2	22

#	Article	IF	Citations
495	Field Independence and Spatial Ability in the Search for the Presence and Absence of Features. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 1261-1265.	0.2	1
496	Sailing Experience and Sex as Correlates of Spatial Ability. Perceptual and Motor Skills, 2004, 98, 1409-1421.	0.6	10
497	The gender factor performing visualization tasks on computer media. , 2004, , .		17
498	Piano keyboard training and the spatialâ€“temporal development of young children attending kindergarten classes in Greece. Early Child Development and Care, 2004, 174, 199-211.	0.7	17
499	The Effects of CAD-Like Software on the Spatial Ability of Middle School Students. Journal of Educational Computing Research, 2004, 31, 37-49.	3.6	15
500	Do women really have more bilateral language representation than men? A meta-analysis of functional imaging studies. Brain, 2004, 127, 1845-1852.	3.7	253
501	A Cross-cultural Comparison of The Apparel Spatial Visualization Test and Paper Folding Test. Clothing and Textiles Research Journal, 2004, 22, 22-30.	2.2	17
502	Turner Syndrome: Genetic and Hormonal Factors Contributing to a Specific Learning Disability Profile. Learning Disabilities Research and Practice, 2004, 19, 133-145.	0.9	13
503	Sex differences in mental rotation and spatial rotation in a virtual environment. Neuropsychologia, 2004, 42, 555-562.	0.7	289
504	The relationship of male testosterone to components of mental rotation. Neuropsychologia, 2004, 42, 782-790.	0.7	129
505	Gender differences in spatial orientation: A review. Journal of Environmental Psychology, 2004, 24, 329-340.	2.3	398
506	Sex differences on the advanced progressive matrices in college students. Personality and Individual Differences, 2004, 37, 219-223.	1.6	14
507	Gender and age differences in measured and self-perceived imaging capacity. Personality and Individual Differences, 2004, 37, 1383-1389.	1.6	33
508	Mnemonic effects of testosterone and its 5Î±-reduced metabolites in the conditioned fear and inhibitory avoidance tasks. Pharmacology Biochemistry and Behavior, 2004, 78, 559-568.	1.3	81
509	A single administration of testosterone improves visuospatial ability in young women. Psychoneuroendocrinology, 2004, 29, 612-617.	1.3	193
510	The relationship between spatial abilities and representations of large-scale space in childrenâ€”a structural equation modeling analysis. Personality and Individual Differences, 2004, 36, 95-107.	1.6	39
511	Sex differences on g, reasoning and visualisation tested by the progressive matrices among 7â€“10 year olds: some normative data for Mexico. Personality and Individual Differences, 2004, 36, 779-787.	1.6	15
512	Sex differential item functioning in the Raven's Advanced Progressive Matrices: evidence for bias. Personality and Individual Differences, 2004, 36, 1459-1470.	1.6	55

#	Article	IF	Citations
513	Have sex differences in spatial ability evolved from male competition for mating and female concern for survival?. Cognition, 2004, 91, 221-257.	1.1	120
514	Sex hormones and finger length. Evolution and Human Behavior, 2004, 25, 182-199.	1.4	334
515	Sex differences in equine learning skills and visuo-spatial ability. Applied Animal Behaviour Science, 2004, 87, 119-130.	0.8	25
516	Gender differences on the mental rotations test: a factor analysis. Acta Psychologica, 2004, 117, 79-94.	0.7	45
517	The Cognitive, Behavioral, and Personality Profiles of a Male Monozygotic Triplet Set Discordant for Sexual Orientation. Archives of Sexual Behavior, 2004, 33, 497-514.	1.2	5
518	The Variability and Flexibility of Gender-Typed Toy Play: A Close Look at Children's Behavioral Responses to Counterstereotypic Models. Sex Roles, 2004, 51, 371-386.	1.4	43
519	Timing conditions and the magnitude of gender differences on the Mental Rotations Test. Memory and Cognition, 2004, 32, 72-82.	0.9	49
520	The use of force feedback and auditory cues for performance of an assembly task in an immersive virtual environment. Virtual Reality, 2004, 7, 112-119.	4.1	12
521	Site Distance, Gender, and Knowledge of Geographic Sites. Sex Roles, 2004, 51, 661-686.	1.4	10
522	Visual illusion in virtual world alters women?s target-directed walking. Experimental Brain Research, 2004, 159, 360-369.	0.7	12
523	Gender effects in spatial orientation: cognitive profiles and mental strategies. Applied Cognitive Psychology, 2004, 18, 519-532.	0.9	109
524	Sex differences in spatial ability: A lateralization of function approach. Brain and Cognition, 2004, 56, 332-343.	0.8	62
525	Sex differences on three factors identified in Raven's Standard Progressive Matrices. Intelligence, 2004, 32, 411-424.	1.6	94
526	Sex differences on the progressive matrices: A meta-analysis. Intelligence, 2004, 32, 481-498.	1.6	255
527	Sex Differences in Verbal Reasoning are Mediated by Sex Differences in Spatial Ability. Psychological Record, 2004, 54, 365-372.	0.6	19
528	Spatial Ability and Home-Range Size: Examining the Relationship in Western Men and Women (Homo) Tj ETQq1 1 0.784314 rgBT /Ov	0.3	46
529	Sex Differences in Line Judgment: Relation to Mathematics Preparation and Strategy Use. Perceptual and Motor Skills, 2005, 100, 615-627.	0.6	30
530	Common Ground for Spatial Cognition? A Behavioral and fMRI Study of Sex Differences in Mental Rotation and Spatial Working Memory. Evolutionary Psychology, 2005, 3, 147470490500300.	0.6	27

#	Article	IF	Citations
531	Sex Differences and Individual Differences in Cognitive Performance and Their Relationship to Endogenous Gonadal Hormones and Gonadotropins.. Behavioral Neuroscience, 2005, 119, 104-117.	0.6	112
532	The Effect of Familial Sinistrality and Academic Experience on Cognition in Right-Handed Women.. Neuropsychology, 2005, 19, 657-663.	1.0	10
533	Sex, Age, and Training Modulate Spatial Memory in the Rhesus Monkey (Macaca mulatta).. Behavioral Neuroscience, 2005, 119, 118-126.	0.6	69
534	Age differences and the acquisition of spatial knowledge in a three-dimensional environment: Evaluating the use of an overview map as a navigation aid. International Journal of Human Computer Studies, 2005, 63, 537-564.	3.7	56
535	Improving spatial ability using a Web-based Virtual Environment (WbVE). Automation in Construction, 2005, 14, 707-715.	4.8	58
536	Sex differences in means and variability on the progressive matrices in university students: A meta-analysis. British Journal of Psychology, 2005, 96, 505-524.	1.2	211
537	The gender similarities hypothesis.. American Psychologist, 2005, 60, 581-592.	3.8	2,183
538	Prenatal Hormones and Postnatal Socialization by Parents as Determinants of Male-Typical Toy Play in Girls With Congenital Adrenal Hyperplasia. Child Development, 2005, 76, 264-278.	1.7	213
539	Personality and Intelligence: Gender, the Big Five, Self-Estimated and Psychometric Intelligence. International Journal of Selection and Assessment, 2005, 13, 11-24.	1.7	95
540	Memory for face locations: Emotional processing alters spatial abilities. Evolution and Human Behavior, 2005, 26, 352-362.	1.4	9
541	Individual differences in women's facial preferences as a function of digit ratio and mental rotation ability. Evolution and Human Behavior, 2005, 26, 509-526.	1.4	50
542	Gender differences in spatial knowledge acquired through simulated exploration of a virtual shopping centre. Journal of Environmental Psychology, 2005, 25, 111-118.	2.3	75
543	Individual differences in the representations of novel environments. Journal of Environmental Psychology, 2005, 25, 97-109.	2.3	47
544	Sex differences on the WISC-R in New Zealand. Personality and Individual Differences, 2005, 39, 103-114.	1.6	35
545	Sex differences in 3 year olds on the Boehm Test of Basic Concepts: Some data from Mauritius. Personality and Individual Differences, 2005, 39, 683-688.	1.6	2
546	Measuring behavior in genetic disorders of mental retardation. Mental Retardation and Developmental Disabilities Research Reviews, 2005, 11, 340-346.	3.5	26
547	Handedness, Functional Cerebral Hemispheric Lateralization, and Cognition in Male-to-Female Transsexuals Receiving Cross-Sex Hormone Treatment. Archives of Sexual Behavior, 2005, 34, 167-172.	1.2	35
548	How Important Is the Digital Divide? The Relation of Computer and Videogame Usage to Gender Differences in Mental Rotation Ability. Sex Roles, 2005, 53, 433-441.	1.4	226

#	Article	IF	Citations
549	Gender Differences in Integration of Images in Visuospatial Memory. Sex Roles, 2005, 53, 717-725.	1.4	25
550	Spatial Ability and Earth Science Conceptual Understanding. Journal of Geoscience Education, 2005, 53, 402-414.	0.8	122
551	Sensory and Postural input in the Occurrence of a Gender Difference in Orienting Liquid Surfaces. Psychological Record, 2005, 55, 67-89.	0.6	4
552	GENDER DIFFERENCES IN MENTAL ROTATION ABILITY IN THREE CULTURES: IRELAND , ECUADOR AND JAPAN. Psychologia, 2005, 48, 31-38.	0.3	19
553	Sex Differencesin Visuospatial Abilities. , 2005, , 170-212.		44
554	Visual Abilities and Misconceptions About Plate Tectonics. Journal of Geoscience Education, 2005, 53, 471-477.	0.8	37
555	Mental Object Rotation and Egocentric Body Transformation: Two Dissociable Processes?. Spatial Cognition and Computation, 2005, 5, 217-237.	0.6	19
556	Preliminary Results of Gender Equity Variations in a Large Active-Learning Introductory Physics Course Due to Laboratory Activity Instructions. AIP Conference Proceedings, 2005, , .	0.3	1
557	Sex Differences in Intrinsic Aptitude for Mathematics and Science?: A Critical Review.. American Psychologist, 2005, 60, 950-958.	3.8	548
558	Why Interactivity Works: Interactive Priming of Mental Rotation. Journal of Educational Computing Research, 2005, 32, 93-111.	3.6	9
559	Mental Object Rotation and Egocentric Body Transformation: Two Dissociable Processes?. Spatial Cognition and Computation, 2005, 5, 217-237.	0.6	60
560	Advantage of three dimensional animated teaching over traditional surgical videos for teaching ophthalmic surgery: a randomised study. British Journal of Ophthalmology, 2005, 89, 1495-1499.	2.1	65
561	CORRELATIONS BETWEEN NONVERBAL INTELLIGENCE AND NERVE CONDUCTION VELOCITIES IN RIGHT-HANDED MALE AND FEMALE SUBJECTS. International Journal of Neuroscience, 2005, 115, 613-623.	0.8	1
562	COMPLEXITY ANALYSIS OF DENSE ARRAY EEG SIGNAL REVEALS SEX DIFFERENCE. International Journal of Neuroscience, 2005, 115, 445-460.	0.8	11
563	Enhanced self-localization by auditory cues in blind humans. Disability and Rehabilitation, 2005, 27, 753-759.	0.9	19
564	Size Does Matter in Computer Collaboration: Heterogeneous Platform Effects on Human-Human Interaction. , 0, , .		2
565	Testosterone Administration in Women with Anorexia Nervosa. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1428-1433.	1.8	100
566	Gender Differences in Relations of Mental Rotation, Verbal Fluency, and SAT Scores to Finger Length Ratios as Hormonal Indexes. Developmental Neuropsychology, 2005, 28, 493-505.	1.0	90

#	Article	IF	Citations
567	Socioeconomic Status Modifies the Sex Difference in Spatial Skill. Psychological Science, 2005, 16, 841-845.	1.8	264
568	SEX DIFFERENCES IN SPATIAL VISUALIZATION AND EPISODIC MEMORY AS A FUNCTION OF ALCOHOL CONSUMPTION. Alcohol and Alcoholism, 2005, 40, 201-207.	0.9	23
569	Sex differences on the WISC-R in Mauritius. Intelligence, 2005, 33, 527-533.	1.6	26
570	Sex differences in a human analogue of the Radial Arm Maze: The â€œ17-Box Maze Testâ€• Brain and Cognition, 2005, 58, 312-317.	0.8	23
571	Gender differences in object location memory in a real three-dimensional environment. Brain and Cognition, 2005, 59, 52-59.	0.8	72
572	Visually perceived vertical (VPV): induced changes in orientation by 1-line and 2-line roll-tilted and pitched visual fields. Vision Research, 2005, 45, 2037-2057.	0.7	21
573	Virtual navigation in humans: the impact of age, sex, and hormones on place learning. Hormones and Behavior, 2005, 47, 326-335.	1.0	309
574	Projekt â€žDORFâ€œ â€” Raumvorstellungen verbessern. Journal Fur Mathematik-Didaktik, 2006, 27, 28-51.	1.0	2
575	Gender differences in memory for object and word locations. Quarterly Journal of Experimental Psychology, 2006, 59, 904-919.	0.6	23
576	The Relation between Computerized and Paper-and-Pencil Mental Rotation Tasks: A Validation Study. Journal of Clinical and Experimental Neuropsychology, 2006, 28, 928-939.	0.8	58
577	Misconceptions about the Particulate Nature of Matter. Using Animations To Close the Gender Gap. Journal of Chemical Education, 2006, 83, 954.	1.1	83
578	Mental Rotation Test Performance in Four Cross-Cultural Samples (N = 3367): Overall Sex Differences and the Role of Academic Program in Performance. Cortex, 2006, 42, 1005-1014.	1.1	100
579	Sex Differences in Left/Right Confusion. Cortex, 2006, 42, 69-78.	1.1	29
580	Negative Association of Testosterone on Spatial Visualization in 35 to 80 Year Old Men. Cortex, 2006, 42, 376-386.	1.1	51
581	Time-resolved fMRI of mental rotation revisited-dissociating visual perception from mental rotation in female subjects. NeuroImage, 2006, 32, 432-444.	2.1	34
582	Perceptual, visuospatial, and psychomotor abilities correlate with duration of training required on a virtual-reality flexible endoscopy simulator. American Journal of Surgery, 2006, 192, 379-384.	0.9	62
583	Following the instructions!. Learning and Individual Differences, 2006, 16, 369-377.	1.5	124
584	Childrenâ€™s use of geometric information in mapping tasks. Journal of Experimental Child Psychology, 2006, 95, 255-277.	0.7	39

#	Article	IF	Citations
585	Developmental gender differences on the Naglieri Nonverbal Ability Test in a nationally normed sample of 5â€“17 year olds. Intelligence, 2006, 34, 253-260.	1.6	12
586	Spatial abilities at different scales: Individual differences in aptitude-test performance and spatial-layout learning. Intelligence, 2006, 34, 151-176.	1.6	620
587	Cognitive impairment but preservation of sexual dimorphism in cognitive abilities in chronic schizophrenia. Psychiatry Research, 2006, 141, 129-139.	1.7	48
588	Laterality and visuo-spatial ability in the equine: Functional measures of sport horse selection?. BSAP Occasional Publication, 2006, 35, 159-170.	0.0	1
589	The Paleolithic Stone Age Effect?. International Journal of Technology and Human Interaction, 2006, 2, 24-48.	0.3	15
591	The importance of gesture in children's spatial reasoning.. Developmental Psychology, 2006, 42, 1259-1268.	1.2	204
592	Non-Euclidean Navigational Strategies of Women: Compensatory Response or Evolved Dimorphism?. Evolutionary Psychology, 2006, 4, 147470490600400.	0.6	20
593	Are People with High and Low Mental Rotation Abilities Differently Susceptible to the Alignment Effect?. Perception, 2006, 35, 369-383.	0.5	51
594	Sex Differences After All Those Years? Heritability of Cognitive Abilities in Old Age. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2006, 61, P137-P143.	2.4	51
595	Understanding spatial literacy: cognitive and curriculum perspectives. Planet, 2006, 17, 26-28.	0.1	12
596	The Cognitive Load of Geographic Information. Professional Geographer, 2006, 58, 209-220.	1.0	80
597	Who benefits from learning with 3D models? the case of spatial ability. Journal of Computer Assisted Learning, 2006, 22, 392-404.	3.3	254
598	The field dependence/independence cognitive style does not control the spatial perception of elevation. Perception & Psychophysics, 2006, 68, 377-392.	2.3	8
599	Stereotype susceptibility narrows the gender gap in imagined self-rotation performance. Psychonomic Bulletin and Review, 2006, 13, 813-819.	1.4	63
600	Associations Among Gender-Linked Toy Preferences, Spatial Ability, and Digit Ratio: Evidence from Eye-Tracking Analysis. Archives of Sexual Behavior, 2006, 35, 699-709.	1.2	37
601	Comparable fMRI activity with differential behavioural performance on mental rotation and overt verbal fluency tasks in healthy men and women. Experimental Brain Research, 2006, 169, 1-14.	0.7	120
602	Stereotype threat, identity salience, and spatial reasoning. Journal of Applied Developmental Psychology, 2006, 27, 486-493.	0.8	173
603	The relationship between computer-game preference, gender, and mental-rotation ability. Personality and Individual Differences, 2006, 40, 609-619.	1.6	178

#	Article	IF	Citations
604	Tactile teaching: Exploring protein structure/function using physical models. Biochemistry and Molecular Biology Education, 2006, 34, 247-254.	0.5	77
605	Object-spatial imagery: a new self-report imagery questionnaire. Applied Cognitive Psychology, 2006, 20, 239-263.	0.9	248
606	Sex Differences in Mental Rotation Strategy. Perceptual and Motor Skills, 2006, 103, 917-930.	0.6	7
607	Effects of Spatial Intelligence and Gender on Wayfinding Strategy and Performance. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 1533-1536.	0.2	1
608	Strategic Differences in Mental Rotation Tasks Based on Gaze Durations. Proceedings of the Human Factors and Ergonomics Society, 2006, 50, 1227-1230.	0.2	0
609	Separating "Rotators" From "Nonrotators" in the Mental Rotations Test: A Multigroup Latent Class Analysis. Multivariate Behavioral Research, 2006, 41, 261-293.	1.8	146
610	Spatial thinking in the geosciences and cognitive sciences: A cross-disciplinary look at the intersection of the two fields. , 2006, , .		56
611	Foetal testosterone and the child systemizing quotient. European Journal of Endocrinology, 2006, 155, S123-S130.	1.9	99
612	Cognition and the Sex Chromosomes: Studies in Turner Syndrome. Hormone Research in Paediatrics, 2006, 65, 47-56.	0.8	68
613	Are there gender differences in verbal and visuospatial working-memory resources?. European Journal of Cognitive Psychology, 2006, 18, 378-397.	1.3	39
614	Virtual and augmented reality as spatial ability training tools. , 2006, , .		115
615	Mental Rotation Ability of Children with Spina Bifida: What Influence Does Manual Rotation Training Have?. Developmental Neuropsychology, 2007, 32, 809-824.	1.0	17
616	Gender differences in cue preference during path integration in virtual environments. ACM Transactions on Applied Perception, 2007, 4, 6.	1.2	6
617	Influence of perspective-taking and mental rotation abilities in space teleoperation. , 2007, , .		54
618	Warning: Subtle Aspects of Strategy Assessment May Affect Correlations among Spatial Tests. Perceptual and Motor Skills, 2007, 104, 123-140.	0.6	5
619	Design, implementation and evaluation of an online community to foster girls' interest and participation in STEM. , 2007, , .		0
620	Solving Graphics Problems: Student Performance in Junior Grades. Journal of Educational Research, 2007, 100, 369-378.	0.8	34
621	Gender differences in spatial ability:Relationship to spatial experience among Chinese gifted students in Hong Kong. Roeper Review, 2007, 29, 277-282.	0.6	15

#	Article	IF	Citations
622	Spatial adaptations for plant foraging: women excel and calories count. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2679-2684.	1.2	96
623	Neural basis of stereotype-induced shifts in women's mental rotation performance. Social Cognitive and Affective Neuroscience, 2007, 2, 12-19.	1.5	97
624	Effects of Training in Apparel Design and Product Development on Spatial Visualization Skills. Clothing and Textiles Research Journal, 2007, 25, 42-57.	2.2	11
625	GENDER DIFFERENCES IN THE USE OF EXTERNAL LANDMARKS VERSUS SPATIAL REPRESENTATIONS UPDATED BY SELF-MOTION. Journal of Integrative Neuroscience, 2007, 06, 379-401.	0.8	35
626	Developing 3D spatial skills for engineering students. Australasian Journal of Engineering Education, 2007, 13, 1-11.	0.2	90
627	Sleep spindles and learning potential.. Behavioral Neuroscience, 2007, 121, 1-10.	0.6	166
628	The Sex Specificity of Navigational Strategies in Alzheimer Disease. Alzheimer Disease and Associated Disorders, 2007, 21, 122-129.	0.6	19
629	Eliciting Self-Explanations Improves Children's Performance on a Field-Based Map Skills Task. Cognition and Instruction, 2007, 25, 45-74.	1.9	39
630	Online Control of Discrete Action following Visual Perturbation. Perception, 2007, 36, 268-287.	0.5	22
631	Evolutionary factors in design preferences. Journal of Brand Management, 2007, 14, 313-323.	2.0	13
632	Cognitive performance in rhesus monkeys varies by sex and prenatal androgen exposure. Hormones and Behavior, 2007, 51, 496-507.	1.0	40
633	Androgens and eye movements in women and men during a test of mental rotation ability. Hormones and Behavior, 2007, 52, 197-204.	1.0	33
634	Sex differences in use of visual cues by rhesus monkeys performing a spatial learning task: Comment on â€œCognitive performance in rhesus monkeys varies by sex and prenatal androgen exposure" by Herman and Wallen. Hormones and Behavior, 2007, 52, 139-142.	1.0	1
635	Suitable stimuli to obtain (no) gender differences in the speed of cognitive processes involved in mental rotation. Brain and Cognition, 2007, 64, 217-227.	0.8	144
636	Dissociable learning-dependent changes in REM and non-REM sleep in declarative and procedural memory systems. Behavioural Brain Research, 2007, 180, 48-61.	1.2	203
637	Sex differences in visual-spatial learning using a virtual water maze in pre-pubertal children. Behavioural Brain Research, 2007, 183, 1-7.	1.2	85
638	Cognitive style predicts entry into physical sciences and humanities: Questionnaire and performance tests of empathy and systemizing. Learning and Individual Differences, 2007, 17, 260-268.	1.5	124
639	Confidence and gender differences on the Mental Rotations Test. Learning and Individual Differences, 2007, 17, 181-186.	1.5	53

#	Article	IF	Citations
640	Sex differences in mental rotation and spatial visualization ability: Can they be accounted for by differences in working memory capacity?. Intelligence, 2007, 35, 211-223.	1.6	249
641	Sex differences in phonological coding: Alphabet transformation speed. Intelligence, 2007, 35, 335-346.	1.6	26
643	Student Motivation and Self-Regulated Learning in the College Classroom. , 2007, , 731-810.		111
644	Fostering Students' Comprehension of Topographic Maps. Journal of Geoscience Education, 2007, 55, 5-16.	0.8	60
645	Sex differences in judging self-orientation: the morphological horizon and body pitch. BMC Neuroscience, 2007, 8, 6.	0.8	12
646	Learning cell biology with close-up views or connecting lines: Evidence for the structure mapping effect. Computers in Human Behavior, 2007, 23, 1089-1104.	5.1	20
648	Sexually dimorphic effects of acute nicotine administration on arousal and visual-spatial ability in non-smoking human volunteers. Pharmacology Biochemistry and Behavior, 2007, 86, 758-765.	1.3	7
649	Haptic orientation perception: Sex differences and lateralization of functions. Neuropsychologia, 2007, 45, 332-341.	0.7	27
650	Functional anatomy of visuo-spatial working memory during mental rotation is influenced by sex, menstrual cycle, and sex steroid hormones. Neuropsychologia, 2007, 45, 3203-3214.	0.7	228
651	Sex differences in dynamic spatial ability: The unsolved question of performance factors. Memory and Cognition, 2007, 35, 297-303.	0.9	29
652	Gender differences in object location memory: A meta-analysis. Psychonomic Bulletin and Review, 2007, 14, 23-38.	1.4	209
653	Empathizing and Systemizing in Adults with and without Autism Spectrum Conditions: Cross-Cultural Stability. Journal of Autism and Developmental Disorders, 2007, 37, 1823-1832.	1.7	138
654	Relationship Between Spatial Abilities, Mental Rotation and Functional Anatomy Learning. Advances in Health Sciences Education, 2007, 12, 491-507.	1.7	152
655	Visuospatial Performance on an Internet Line Judgment Task and Potential Hormonal Markers: Sex, Sexual Orientation, and 2D:4D. Archives of Sexual Behavior, 2007, 36, 177-192.	1.2	82
656	Brain activation during mental rotation in school children and adults. Journal of Neural Transmission, 2007, 114, 675-686.	1.4	92
657	The Female Advantage in Object Location Memory According to the Foraging Hypothesis: A Critical Analysis. Human Nature, 2007, 18, 365-385.	0.8	22
658	Where are the Gender Differences? Male Priming Boosts Spatial Skills in Women. Sex Roles, 2008, 59, 274-281.	1.4	40
659	Gender Differences in Science: An Expertise Perspective. Educational Psychology Review, 2008, 20, 149-169.	5.1	40

#	Article	IF	Citations
660	A voxel-by-voxel parametric fMRI study of motor mental rotation: hemispheric specialization and gender differences in neural processing efficiency. Experimental Brain Research, 2008, 189, 79-90.	0.7	34
661	Castration Differentially Affects Spatial Working and Reference Memory in Male Rats. Archives of Sexual Behavior, 2008, 37, 19-29.	1.2	64
662	Sex differences in language processing: Functional MRI methodological considerations. Journal of Magnetic Resonance Imaging, 2008, 27, 1221-1228.	1.9	32
663	Physical activity: The present in the context of the past. American Journal of Human Biology, 2008, 20, 373-391.	0.8	77
664	The role of recipient perspective in giving and following wayfinding directions. Applied Cognitive Psychology, 2008, 22, 896-916.	0.9	25
665	Durable and generalized effects of spatial experience on mental rotation: gender differences in growth patterns. Applied Cognitive Psychology, 2008, 22, 996-1013.	0.9	252
666	Mom, Let Me Play More Computer Games: They Improve My Mental Rotation Skills. Sex Roles, 2008, 59, 776-786.	1.4	141
667	Computerizing the Mental Rotations Test: Are gender differences maintained?. Behavior Research Methods, 2008, 40, 422-427.	2.3	21
668	Gender differences in spatial perception of body tilt. Perception & Psychophysics, 2008, 70, 199-207.	2.3	16
669	Solution strategies as possible explanations of individual and sex differences in a dynamic spatial task. Acta Psychologica, 2008, 128, 1-14.	0.7	35
670	Aging preserves the ability to perceive 3D object shape from static but not deforming boundary contours. Acta Psychologica, 2008, 129, 198-207.	0.7	34
671	Children's performance in mental rotation tasks: orientationâ€free features flatten the slope. Developmental Science, 2008, 11, 732-742.	1.3	13
672	Use of a storytelling context to improve girls' and boys' geometry skills in kindergarten. Journal of Applied Developmental Psychology, 2008, 29, 29-48.	0.8	114
673	Influence of individual factors on presence. Computers in Human Behavior, 2008, 24, 2255-2273.	5.1	87
674	Factor invariance between genders of the Wechsler Intelligence Scale for Children â€“ Fourth edition. Personality and Individual Differences, 2008, 45, 260-266.	1.6	22
675	Testosterone and gonadotropins but not estrogen associated with spatial ability in women suffering from schizophrenia: A double-blind, placebo-controlled study. Psychoneuroendocrinology, 2008, 33, 507-516.	1.3	13
676	Visualization: An Emergent Field of Practice and Enquiry in Science Education. , 2008, , 3-24.		138
677	Gender-specific development of auditory information processing in children: An ERP study. Clinical Neurophysiology, 2008, 119, 1992-2003.	0.7	21

#	Article	IF	Citations
678	Manual training of mental rotation in children. Learning and Instruction, 2008, 18, 30-41.	1.9	87
679	A comparison of predictors of early emerging gender differences in mathematics competency. Learning and Individual Differences, 2008, 18, 61-75.	1.5	67
680	Quantitative and qualitative change in children's mental rotation performance. Learning and Individual Differences, 2008, 18, 419-429.	1.5	39
681	Walking in the Corsi test: Which type of memory do you need?. Neuroscience Letters, 2008, 432, 127-131.	1.0	130
682	The measurement of visuoâ€“spatial and verbalâ€“numerical working memory: Development of IRT-based scales. Intelligence, 2008, 36, 161-182.	1.6	32
684	Spatial rotation and recognizing emotions: Gender related differences in brain activity. Intelligence, 2008, 36, 383-393.	1.6	28
685	Sex differences in latent cognitive abilities ages 6 to 59: Evidence from the Woodcockâ€“Johnson III tests of cognitive abilities. Intelligence, 2008, 36, 502-525.	1.6	130
686	A note on sex differences in mental rotation in different age groups. Intelligence, 2008, 36, 556-563.	1.6	138
687	Blocks and bodies: Sex differences in a novel version of the Mental Rotations Test. Hormones and Behavior, 2008, 53, 177-184.	1.0	67
688	Applications of mental rotation figures of the Shepard and Metzler type and description of a mental rotation stimulus library. Brain and Cognition, 2008, 66, 260-264.	0.8	164
689	A lateralization of function approach to sex differences in spatial ability: A reexamination. Brain and Cognition, 2008, 67, 168-182.	0.8	34
690	Gender differences in unilateral spatial neglect within 24 hours of ischemic stroke. Brain and Cognition, 2008, 68, 49-52.	0.8	12
691	Mental imagery skills and topographical orientation in humans: A correlation study. Behavioural Brain Research, 2008, 192, 248-253.	1.2	63
692	Sex differences in a virtual water maze: An eye tracking and pupillometry study. Behavioural Brain Research, 2008, 193, 209-215.	1.2	94
693	Spatial representations of numbers in children and their connection with calculation abilities. Cortex, 2008, 44, 420-428.	1.1	26
694	Spatial ability in secondary school students: Intraâ€sex differences based on selfâ€selection for physical education. British Journal of Psychology, 2008, 99, 427-440.	1.2	16
695	Implication de la gestuelle dans la transmission dâ€™informations. Psychologie Francaise, 2008, 53, 467-485.	0.2	0
696	How Students â€œUnpackâ€•the Structure of a Word Problem: Graphic Representations and Problem Solving. School Science and Mathematics, 2008, 108, 184-196.	0.5	43

#	Article	IF	Citations
697	Oral contraceptives and androgenicity: Influences on visuospatial task performance in younger individuals.. Experimental and Clinical Psychopharmacology, 2008, 16, 156-164.	1.3	79
698	The Development of Spatial Skills Through Interventions Involving Block Building Activities. Cognition and Instruction, 2008, 26, 269-309.	1.9	244
699	Augmenting spatial information processing for 3-D visualization. Visual Languages and Human-Centric Computing, 2009 VL/HCC 2009 IEEE Symposium on, 2008, , .	0.0	0
700	Assessing visualâ€“spatial talents: the use of the Impossible Figures Task with Chinese students in Hong Kong. High Ability Studies, 2008, 19, 173-187.	1.0	5
701	Mental Rotation in Human Infants. Psychological Science, 2008, 19, 1063-1066.	1.8	267
702	Measuring gender differences in cognitive functioning. Multicultural Education and Technology Journal, 2008, 2, 4-18.	2.0	45
703	Gender differences in remembering and inferring spatial distances. Memory, 2008, 16, 821-835.	0.9	48
704	A Sex Difference in Mental Rotation in Young Infants. Psychological Science, 2008, 19, 1067-1070.	1.8	249
705	Visual versus kinesthetic mental imagery: Efficacy for the retention and transfer of a closed motor skill in young children.. Canadian Journal of Experimental Psychology, 2008, 62, 174-187.	0.7	22
706	SEX DIFFERENCES IN SPATIAL VISUALIZATION OF KUWAITI SCHOOL CHILDREN. Social Behavior and Personality, 2008, 36, 811-824.	0.3	3
707	Effects of Role Models from Films on Short-Term Ratings of Intent, Interest, and Self-Assessment of Ability by High School Youth: A Study of Gender-Stereotyped Academic Subjects. Psychological Reports, 2008, 102, 509-531.	0.9	11
708	Gender differences in human cortical synaptic density. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14615-14619.	3.3	170
709	Combining Path Analysis with Time-resolved Functional Magnetic Resonance Imaging: The Neurocognitive Network Underlying Mental Rotation. Journal of Cognitive Neuroscience, 2008, 20, 1003-1020.	1.1	13
710	Imagery and Perceptual Basis of Matching Tasks in Young Children. Perceptual and Motor Skills, 2008, 107, 419-438.	0.6	4
711	Strategies and Correlates of Jigsaw Puzzle and Visuospatial Performance by Persons With Prader-Willi Syndrome. American Journal on Intellectual and Developmental Disabilites, 2008, 113, 343-355.	2.7	28
712	Spatial Cognition and Motor Development: A Study of Children with Spina Bifida. Perceptual and Motor Skills, 2008, 106, 436-446.	0.6	15
713	Development of a Fast Remedial Course to Improve the Spatial Abilities of Engineering Students. Journal of Engineering Education, 2008, 97, 505-513.	1.9	77
714	Effects of Object Building Activities in Second Life on Players' Spatial Reasoning. , 2008, , .		5

#	Article	IF	Citations
715	The processing of emotional prosody and semantics in schizophrenia: relationship to gender and IQ. Psychological Medicine, 2008, 38, 887-898.	2.7	31
716	Mapping Out Spatial Ability: Sex Differences in Way-Finding Navigation. Perceptual and Motor Skills, 2008, 107, 747-760.	0.6	39
717	Assessing Visual Arts Talents of Hong Kong Chinese Gifted Students: The Development of the Impossible Figures Task. Journal for the Education of the Gifted, 2008, 31, 364-384.	0.5	6
718	Nausea Induced by Vection Drum: Contributions of Body Position, Visual Pattern, and Gender. Aviation, Space, and Environmental Medicine, 2008, 79, 384-389.	0.6	19
719	Right-left discrimination among medical students: questionnaire and psychometric study. BMJ: British Medical Journal, 2008, 337, a2826-a2826.	2.4	25
720	Gender Differences in Math and Mental Rotation Accuracy but not in Mental Rotation Speed in 8-Years-Old Children. International Journal of Developmental Sciences, 2008, 2, 190-196.	0.3	4
721	Testosterone for the aging male; current evidence and recommended practice. Clinical Interventions in Aging, 2008, Volume 3, 25-44.	1.3	119
722	Convergent Validity and Sex Differences in Healthy Elderly Adults for Performance on 3D Virtual Reality Navigation Learning and 2D Hidden Maze Tasks. Cyberpsychology, Behavior and Social Networking, 2009, 12, 169-174.	2.2	20
723	Interface Familiarity Restores Active Advantage in a Virtual Exploration and Reconstruction Task in Children. Spatial Cognition and Computation, 2009, 9, 96-108.	0.6	11
724	Educational Research in Developing 3â€Ð Spatial Skills for Engineering Students. International Journal of Science Education, 2009, 31, 459-480.	1.0	333
725	Drawing Abilities of Chinese Gifted Students in Hong Kong: Prediction of Expert Judgments by Self-Report Responses and Spatial Tests. Roeper Review, 2009, 31, 185-194.	0.6	3
726	Gender-related Differences in Visuospatial Memory Persist in Alzheimer's Disease. Archives of Clinical Neuropsychology, 2009, 24, 783-789.	0.3	17
727	Neuroanatomical correlates of the Benton Facial Recognition Test and Judgment of Line Orientation Test. Journal of Clinical and Experimental Neuropsychology, 2009, 31, 219-233.	0.8	96
728	What Horses and Humans See: A Comparative Review. International Journal of Zoology, 2009, 2009, 1-14.	0.3	26
729	The Role of Effortful Attention in Effective Spatial Training. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1734-1738.	0.2	0
730	The Dissociation of Small- and Large-Scale Spatial Abilities in School-Age Children. Perceptual and Motor Skills, 2009, 109, 357-361.	0.6	11
731	Effects of Acute Insulin-Induced Hypoglycemia on Spatial Abilities in Adults With Type 1 Diabetes. Diabetes Care, 2009, 32, 1503-1506.	4.3	36
732	Gender Differences in Mental Rotation Across Adulthood. Experimental Aging Research, 2009, 36, 94-104.	0.6	58

#	Article	IF	Citations
733	Gender and Spatial Ability and the Use of Specific Labels and Diagrammatic Arrows in a Micro-Level Chemistry Animation. Journal of Educational Computing Research, 2009, 41, 83-102.	3.6	19
734	Sensation Seeking and Spatial Ability in Athletes: an Evolutionary Account. Journal of Human Kinetics, 2009, 21, 5-13.	0.7	5
735	The importance of breaking set. Theory and Research in Education, 2009, 7, 27-45.	0.4	4
736	Women and mental rotation: Incremental theory and spatial strategy use enhance performance. Personality and Individual Differences, 2009, 46, 187-191.	1.6	49
737	Androgen treatment effects on memory in female-to-male transsexuals. Psychoneuroendocrinology, 2009, 34, 110-117.	1.3	27
738	Interactive effects of sex hormones and gender stereotypes on cognitive sex differencesâ€"A psychobiosocial approach. Psychoneuroendocrinology, 2009, 34, 389-401.	1.3	122
739	The effects of sense of direction and training experience on wayfinding efficiency. Journal of Environmental Psychology, 2009, 29, 151-159.	2.3	41
740	The effects of familiarity and gender on spatial representation. Journal of Environmental Psychology, 2009, 29, 227-234.	2.3	67
741	Impacts of geographical knowledge, spatial ability and environmental cognition on image searches supported by GIS software. Computers in Human Behavior, 2009, 25, 1270-1279.	5.1	13
742	The new objectâ€spatialâ€verbal cognitive style model: Theory and measurement. Applied Cognitive Psychology, 2009, 23, 638-663.	0.9	224
743	Spatiotemporal mapping of sex differences during attentional processing. Human Brain Mapping, 2009, 30, 2997-3008.	1.9	19
744	Reorientation by slope cues in humans. Cognitive Processing, 2009, 10, 260-262.	0.7	4
745	Gender differences in research productivity: A bibliometric analysis of the Italian academic system. Scientometrics, 2009, 79, 517-539.	1.6	151
746	The contribution of star scientists to overall sex differences in research productivity. Scientometrics, 2009, 81, 137-156.	1.6	54
747	Practising mental rotation using interactive Desktop Mental Rotation Trainer (iDeMRT). British Journal of Educational Technology, 2009, 40, 889-900.	3.9	20
748	Consistencies in sex differences on the Cognitive Abilities Test across countries, grades, test forms, and cohorts. British Journal of Educational Psychology, 2009, 79, 389-407.	1.6	63
749	Gender differences in globalâ€"local perception? Evidence from orientation and shape judgments. Acta Psychologica, 2009, 130, 64-71.	0.7	44
750	Individual differences in using geometric and featural cues to maintain spatial orientation: Cue quantity and cue ambiguity are more important than cue type. Psychonomic Bulletin and Review, 2009, 16, 176-181.	1.4	31

#	Article	IF	Citations
751	Gender Differences in Lunarâ€related Scientific and Mathematical Understandings. International Journal of Science Education, 2009, 31, 2105-2122.	1.0	30
752	Gonadal Hormones and Sexual Differentiation of Human Brain and Behavior. , 2009, , 1869-1910.		23
753	Stills, not full motion, for interactive spatial training: American, Turkish and Taiwanese female pre-service teachers learn spatial visualization. Computers and Education, 2009, 52, 201-209.	5.1	17
754	Sex differences in leftâ€“right confusion depend on hemispheric asymmetry. Cortex, 2009, 45, 891-899.	1.1	29
755	Judgment of line orientation depends on gender, education, and type of error. Brain and Cognition, 2009, 69, 116-120.	0.8	15
756	Sex differences in parietal lobe morphology: Relationship to mental rotation performance. Brain and Cognition, 2009, 69, 451-459.	0.8	144
757	Childrenâ€™s radial arm maze performance as a function of age and sex. International Journal of Developmental Neuroscience, 2009, 27, 789-797.	0.7	27
758	Are males always better than females in mental rotation? Exploring a gender belief explanation. Learning and Individual Differences, 2009, 19, 21-27.	1.5	103
759	How spatial abilities enhance, and are enhanced by, dental education. Learning and Individual Differences, 2009, 19, 61-70.	1.5	151
760	Age and gender-related differences in the temporal congruence development between motor imagery and motor performance. Learning and Individual Differences, 2009, 19, 555-560.	1.5	17
761	Individual differences in spatial text processing: High spatial ability can compensate for spatial working memory interference. Learning and Individual Differences, 2009, 19, 577-589.	1.5	32
762	The Road to Understanding Maps. Current Directions in Psychological Science, 2009, 18, 310-315.	2.8	33
763	Measurement Skills in Low-Income Elementary School Students: Exploring the Nature of Gender Differences. Cognition and Instruction, 2009, 27, 401-428.	1.9	18
764	Can Eye Movements Reveal Visual Preference?. , 2009, , .		0
765	Gender Differences and Cognitive Correlates of Mathematical Skills in School-Aged Children. Child Neuropsychology, 2009, 15, 216-231.	0.8	46
766	Do women see things differently than men do?. NeuroImage, 2009, 45, 198-207.	2.1	36
767	Psychometric analysis of the systemizing quotient (SQ) scale. British Journal of Psychology, 2009, 100, 539-552.	1.2	43
768	Rotated alphanumeric characters do not automatically activate frontoparietal areas subserving mental rotation. NeuroImage, 2009, 44, 1063-1073.	2.1	45

#	Article	IF	Citations
769	Sex influences on the neurobiology of learning and memory. Learning and Memory, 2009, 16, 248-266.	0.5	565
770	Spatial visualization and the gender gap in videogame interest among young adults. Young Consumers, 2009, 10, 225-237.	2.3	3
771	Women's underrepresentation in science: Sociocultural and biological considerations.. Psychological Bulletin, 2009, 135, 218-261.	5.5	725
773	Anticipated Effort in Imagined Self-Rotation. Perception, 2009, 38, 79-91.	0.5	4
775	Crossing the hands is more confusing for females than males. Experimental Brain Research, 2010, 204, 431-446.	0.7	50
776	Sex differences in parking are affected by biological and social factors. Psychological Research, 2010, 74, 429-435.	1.0	21
778	The Relationship Between Systemising and Mental Rotation and the Implications for the Extreme Male Brain Theory of Autism. Journal of Autism and Developmental Disorders, 2010, 40, 1-7.	1.7	41
779	Development of a Spatial Activity Questionnaire I: Items Identification. Sex Roles, 2010, 62, 89-99.	1.4	26
780	Mathematical thinking of kindergarten boys and girls: similar achievement, different contributing processes. Educational Studies in Mathematics, 2010, 73, 233-246.	1.8	30
781	Greater superior than inferior parietal lobule activation with increasing rotation angle during mental rotation: An fMRI study. Neuropsychologia, 2010, 48, 529-535.	0.7	93
782	Cortical activation during mental rotation in male-to-female and female-to-male transsexuals under hormonal treatment. Psychoneuroendocrinology, 2010, 35, 1213-1222.	1.3	53
783	Detecting Gender Related DIF using Logistic Regression and Mantel-Haenszel Approaches. Procedia, Social and Behavioral Sciences, 2010, 7, 406-413.	0.5	2
784	The effects of Google Sketchup based geometry activities and projects on spatial visualization ability of student mathematics teachers. Procedia, Social and Behavioral Sciences, 2010, 9, 384-389.	0.5	37
785	Reversing fortunes or content change? Gender gaps in math-related skill throughout childhood. Social Science Research, 2010, 39, 540-569.	1.1	36
786	Visual-object ability: A new dimension of non-verbal intelligence. Cognition, 2010, 117, 276-301.	1.1	89
787	Design and validation of an augmented book for spatial abilities development in engineering students. Computers and Graphics, 2010, 34, 77-91.	1.4	250
788	Strategies in visuospatial working memory for learning virtual shapes. Applied Cognitive Psychology, 2010, 24, 1095-1114.	0.9	4
789	An experimental and theoretical model of childrenâ€™s search behavior in relation to target conspicuity and spatial distribution. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5163-5172.	1.2	4

#	Article	IF	Citations
790	Multisensory determinants of orientation perception: taskâ€specific sex differences. European Journal of Neuroscience, 2010, 31, 1899-1907.	1.2	34
791	Gender Differences in Spatial Ability of Young Children: The Effects of Training and Processing Strategies. Child Development, 2010, 81, 1417-1430.	1.7	118
793	ReprÃ©sentation mentale et processus moteur : le cas de la rotation mentale. Science Et Motricite, 2010, , 29-39.	0.3	1
794	Training in Technologically Enabled Environments. Journal of Cases on Information Technology, 2010, 12, 90-99.	0.7	0
795	Handbook of Gender Research in Psychology. , 2010, , .		54
796	Developing the Impossible Figures Task to Assess Visual-Spatial Talents Among Chinese Students: A Rasch Measurement Model Analysis. Gifted Child Quarterly, 2010, 54, 59-71.	1.2	7
797	Mental rotation performance and the effect of gender in fourth graders and adults. European Journal of Developmental Psychology, 2010, 7, 432-444.	1.0	74
798	Identifying Locations and Directions on Field and Representational Mapping Tasks: Predictors of Success. Spatial Cognition and Computation, 2010, 10, 105-134.	0.6	30
799	Manual rotation training improves direction-estimations in a virtual environmental space. European Journal of Cognitive Psychology, 2010, 22, 6-17.	1.3	11
800	Age, Sex, and Pubertal Phase Influence Mentalizing About Emotions and Actions in Adolescents. Developmental Neuropsychology, 2010, 35, 555-569.	1.0	49
801	Preschoolers' mental rotation of letters: Sex differences in hemispheric asymmetry. Cognitive Neuroscience, 2010, 1, 261-267.	0.6	16
802	Sexual Dimorphism in the Parietal Substrate Associated with Visuospatial Cognition Independent of General Intelligence. Journal of Cognitive Neuroscience, 2010, 22, 139-155.	1.1	75
803	Wayfinding through an Unfamiliar Environment. Perceptual and Motor Skills, 2010, 111, 829-847.	0.6	5
804	Sex Differences in Effects of Testing Medium and Response Format on a Visuospatial Task. Perceptual and Motor Skills, 2010, 110, 809-824.	0.6	7
805	Cross-national patterns of gender differences in mathematics: A meta-analysis.. Psychological Bulletin, 2010, 136, 103-127.	5.5	1,068
807	Preschoolers' Mental Rotation: Sex Differences in Hemispheric Asymmetry. Journal of Cognitive Neuroscience, 2010, 22, 1244-1250.	1.1	45
808	The Relation Between Motor Development and Mental Rotation Ability in 5- to 6-Year-old Children. International Journal of Developmental Sciences, 2010, 4, 67-75.	0.3	36
809	You-Are-Here Maps: Creating Spatial Awareness through Map-like Representations. Spatial Cognition and Computation, 2010, 10, 83-93.	0.6	42

#	Article	IF	Citations
810	Two- vs. three-dimensional presentation of mental rotation tasks: Sex differences and effects of training on performance and brain activation. Intelligence, 2010, 38, 529-539.	1.6	105
811	Evaluating the contribution of different item features to the effect size of the gender difference in three-dimensional mental rotation using automatic item generation. Intelligence, 2010, 38, 574-581.	1.6	21
812	Combining automatic item generation and experimental designs to investigate the contribution of cognitive components to the gender difference in mental rotation. Intelligence, 2010, 38, 506-512.	1.6	4
813	On the relationship between solution strategies in two mental rotation tasks. Learning and Individual Differences, 2010, 20, 473-478.	1.5	27
814	Beyond genetics in Mental Rotation Test performance. Learning and Individual Differences, 2010, 20, 464-468.	1.5	34
815	Mental rotation performance in fourth graders: No effects of gender beliefs (yet?). Learning and Individual Differences, 2010, 20, 459-463.	1.5	21
816	Item type and gender differences on the Mental Rotations Test. Learning and Individual Differences, 2010, 20, 469-472.	1.5	13
817	Effects of gender differences and spatial abilities within a digital pentominoes game. Computers and Education, 2010, 55, 1220-1233.	5.1	74
818	Sex-related variation in human behavior and the brain. Trends in Cognitive Sciences, 2010, 14, 448-456.	4.0	309
819	Sex-based differences in answering strategy and the influence of cross-sex hormones. Psychiatry Research, 2010, 175, 266-270.	1.7	2
820	Close women, distant men: Line bisection reveals sexâ€dimorphic patterns of visuomotor performance in near and far space. British Journal of Psychology, 2010, 101, 293-309.	1.2	15
821	Perceptual issues in augmented reality revisited. , 2010, , .		302
822	Visualâ€“spatial disembedding in Parkinson's disease. Journal of Clinical and Experimental Neuropsychology, 2010, 32, 190-200.	0.8	15
823	Inferring Cross-Sections: When Internal Visualizations Are More Important Than Properties of External Visualizations. Human-Computer Interaction, 2010, 25, 119-147.	3.1	27
824	The effect of explicitly varying the proportion of â€œsameâ€•and â€œdifferentâ€•responses on sex differences in the Shepard and Metzler mental rotation task. European Journal of Cognitive Psychology, 2010, 22, 172-189.	1.3	4
825	Qualitative Spatial Modelling of Human Route Instructions to Mobile Robots. , 2010, , .		5
826	Mixed reality for development of spatial skills of first-year engineering students. , 2011, , .		17
827	Spatial Foundations of Science Education: The Illustrative Case of Instruction on Introductory Geological Concepts. Cognition and Instruction, 2011, 29, 45-87.	1.9	51

#	Article	IF	Citations
828	The need for a revised version of the Benton judgment of line orientation test. Journal of Clinical and Experimental Neuropsychology, 2011, 33, 249-256.	0.8	9
829	Children Learning to Explain Daily Celestial Motion: Understanding astronomy across moving frames of reference. International Journal of Science Education, 2011, 33, 1963-1992.	1.0	38
830	A Review of Spatial Ability Literature, Its Connection to Chemistry, and Implications for Instruction. Journal of Chemical Education, 2011, 88, 351-360.	1.1	144
831	The influence of juggling on mental rotation performance in children. Biomedical Human Kinetics, 2011, 3, 18-22.	0.2	23
832	Impaired mental rotation performance in overweight children. Appetite, 2011, 56, 766-769.	1.8	37
833	Gender differences in studentsâ€™ mathematics game playing. Computers and Education, 2011, 57, 2244-2248.	5.1	53
834	Male advantage in sound localization at cocktail parties. Cortex, 2011, 47, 741-749.	1.1	38
835	Mental rotation does not account for sex differences in leftâ€“right confusion. Brain and Cognition, 2011, 76, 166-171.	0.8	19
836	Sex differences in human EEG theta oscillations during spatial navigation in virtual reality. International Journal of Psychophysiology, 2011, 79, 347-355.	0.5	78
837	Solving graphics tasks: Gender differences in middle-school students. Learning and Instruction, 2011, 21, 109-125.	1.9	27
838	Objectâ€“spatial imagery and verbal cognitive styles in children and adolescents: Developmental trajectories in relation to ability. Learning and Individual Differences, 2011, 21, 281-287.	1.5	31
839	Spatial mental representations derived from survey and route descriptions: When individuals prefer extrinsic frame of reference. Learning and Individual Differences, 2011, 21, 150-157.	1.5	33
840	Evaluating the impact of depth cue salience in working three-dimensional mental rotation tasks by means of psychometric experiments. Learning and Individual Differences, 2011, 21, 403-408.	1.5	7
841	The role of visuo-spatial abilities in recall of spatial descriptions: A mediation model. Learning and Individual Differences, 2011, 21, 719-723.	1.5	22
842	Assisted driving of a mobile remote presence system: System design and controlled user evaluation. , 2011, , .		57
843	Developing Transferrable Geospatial Skills in a Liberal Arts Context. Journal of Geoscience Education, 2011, 59, 93-97.	0.8	7
844	Differences in Mental Rotation Strategies for Native Speakers of Chinese and English and How They Vary As a Function of Sex and College Major. Psychological Record, 2011, 61, 2-19.	0.6	13
845	Sex Differences in Intelligence. , 2011, , 253-272.		19

#	Article	IF	Citations
846	Perceptions of the Visually Impaired Toward Pursuing Geography Courses and Majors in Higher Education. Journal of Geography, 2011, 110, 200-208.	1.8	1
847	The world is not flat: Can people reorient using slope?. Journal of Experimental Psychology: Learning Memory and Cognition, 2011, 37, 354-367.	0.7	42
848	A comparative study of the effects of using dynamic geometry software and physical manipulatives on the spatial visualisation skills of preâ€service mathematics teachers. British Journal of Educational Technology, 2011, 42, 291-310.	3.9	77
849	Mental Rotation of Dynamic, Three-Dimensional Stimuli by 3-Month-Old Infants. Infancy, 2011, 16, 435-445.	0.9	117
850	Spatial Literacy and the Postgraduate GIS Curriculum. Procedia, Social and Behavioral Sciences, 2011, 21, 294-299.	0.5	11
851	Gender differences in pre-adolescentsâ€™ mental-rotation performance: Do they depend on grade and stimulus type?. Personality and Individual Differences, 2011, 50, 1238-1242.	1.6	82
852	Sexual differentiation of human behavior: Effects of prenatal and pubertal organizational hormones. Frontiers in Neuroendocrinology, 2011, 32, 183-200.	2.5	276
853	Sex differences in the relation between math performance, spatial skills, and attitudes. Journal of Applied Developmental Psychology, 2011, 32, 235-242.	0.8	76
854	Video game experience predicts virtual, but not real navigation performance. Computers in Human Behavior, 2011, 27, 552-560.	5.1	66
855	Time limits and gender differences on paper-and-pencil tests of mental rotation: a meta-analysis. Psychonomic Bulletin and Review, 2011, 18, 267-277.	1.4	137
856	Gender Differences in the Effects of Acute Stress on Spatial Ability. Sex Roles, 2011, 64, 81-89.	1.4	17
857	The Relationship Between Second to Fourth Digit Ratio, Spatial Cognition, and Virtual Navigation. Archives of Sexual Behavior, 2011, 40, 575-585.	1.2	25
858	Sex Differences in Semantic Categorization. Archives of Sexual Behavior, 2011, 40, 1183-1187.	1.2	4
859	Cortical responses to the mirror box illusion: a high-resolution EEG study. Experimental Brain Research, 2011, 215, 345-357.	0.7	21
860	Efficient electronic navigation: A metaphorical question?. Interacting With Computers, 2011, 23, 129-136.	1.0	14
861	Prevalence of teen driver errors leading to serious motor vehicle crashes. Accident Analysis and Prevention, 2011, 43, 1285-1290.	3.0	187
862	Learning a map of environment: The role of visuoâ€spatial abilities in young and older adults. Applied Cognitive Psychology, 2011, 25, 952-959.	0.9	30
863	Visual Spatial Abilities in Uninhabited Ground Vehicle Task Performance During Teleoperation and Direct Line of Sight. Presence: Teleoperators and Virtual Environments, 2011, 20, 466-479.	0.3	18

#	Article	IF	Citations
864	Berkeley Foundation for Opportunities in Information Technology. ACM Transactions on Computing Education, 2011, 11, 1-24.	2.9	9
865	Innovative Approaches to Teaching Engineering Drawing at Tertiary Institutions. International Journal of Mechanical Engineering Education, 2011, 39, 323-333.	0.6	5
866	IRT-Based Measurement of Short-Term Changes of Ability, With an Application to Assessing the â€œMozart Effectâ€• Journal of Educational and Behavioral Statistics, 2011, 36, 33-75.	1.0	6
867	Visual Puzzles, Figure Weights, and Cancellation: Some Preliminary Hypotheses on the Functional and Neural Substrates of These Three New WAIS-IV Subtests. ISRN Neurology, 2011, 2011, 1-19.	1.5	14
868	The Effects of Ad Context and Gender on the Identification of Visually Incongruent Products. Journal of Consumer Research, 2011, 38, 358-375.	3.5	92
869	Sex and training differences in mental rotation: a behavioral and neurophysiological comparison of gifted achievers, gifted underachievers and average intelligent achievers. High Ability Studies, 2011, 22, 155-177.	1.0	10
870	Real Three-Dimensional Objects: Effects on Mental Rotation. Perceptual and Motor Skills, 2011, 113, 38-50.	0.6	12
871	Virtual Navigation Performance: The Relationship to Field of View and Prior Video Gaming Experience. Perceptual and Motor Skills, 2011, 112, 477-498.	0.6	15
872	Spatial and numerical predictors of measurement performance: The moderating effects of community income and gender.. Journal of Educational Psychology, 2011, 103, 296-311.	2.1	56
873	Psychometric Analysis of Five Measures of Spatial Ability. Perceptual and Motor Skills, 2012, 114, 75-84.	0.6	2
874	Spatial text processing in relation to spatial abilities and spatial styles. Journal of Cognitive Psychology, 2012, 24, 972-980.	0.4	12
875	The influence of intelligence and emotions on the acceptability of genetically modified organisms. Electronic Journal of Biotechnology, 2012, 15, .	1.2	11
876	Age-Related Differences in Motor Imagery: Working Memory as a Mediator. Experimental Aging Research, 2012, 38, 559-583.	0.6	54
877	Kinect based 3D object manipulation on a desktop display. , 2012, , .		9
878	Predictive models on improvement of spatial abilities in controlled training. , 2012, , .		0
879	Spatial Perspective Taking is an Embodied Process, but Not for Everyone in the Same Way: Differences Predicted by Sex and Social Skills Score. Spatial Cognition and Computation, 2012, 12, 133-158.	0.6	64
880	The process of mental rotation in design: Holistic or piecemeal. , 2012, , .		0
881	Fear and anxiety modulate mental rotation. Journal of Cognitive Psychology, 2012, 24, 665-671.	0.4	7

#	Article	IF	Citations
882	Visual thinking and gender differences in high school calculus. International Journal of Mathematical Education in Science and Technology, 2012, 43, 303-313.	0.8	11
883	Importance of accurately measuring spatial abilities. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E584; author reply E585-7.	3.3	2
884	Wayfinding: A simple concept, a complex process. Transport Reviews, 2012, 32, 715-743.	4.7	92
885	Examining the association between empathising, systemising, degree subject and gender. Educational Studies, 2012, 38, 73-88.	1.4	12
886	Cross-Cultural Differences in Spatial Abilities and Solution Strategiesâ€" An Investigation in Cambodia and Germany. Journal of Cross-Cultural Psychology, 2012, 43, 533-557.	1.0	20
887	Subjective visual vertical in vestibular disorders measured with the bucket test. Acta Oto-Laryngologica, 2012, 132, 1-5.	0.3	22
888	Training With Augmented Reality on Engineering Degrees. , 2012, , .		0
889	Mental Rotation Performance in Male Soccer Players. PLoS ONE, 2012, 7, e48620.	1.1	54
890	Early puzzle play: A predictor of preschoolers' spatial transformation skill.. Developmental Psychology, 2012, 48, 530-542.	1.2	255
891	Sex differences during visual scanning of occlusion events in infants.. Developmental Psychology, 2012, 48, 1091-1105.	1.2	8
892	Age group and sex differences in performance on a computerized neurocognitive battery in children age 8â^'21.. Neuropsychology, 2012, 26, 251-265.	1.0	432
893	Competitive versus cooperative exergame play for African American adolescents' executive function skills: Short-term effects in a long-term training intervention.. Developmental Psychology, 2012, 48, 337-342.	1.2	127
894	Testing the effects of prior coursework and gender on geoscience learning with Google Earth. , 2012, , .		4
895	Genderâ€specific contribution of a visual cognition network to reading abilities. British Journal of Psychology, 2012, 103, 117-128.	1.2	19
896	Male Superiority in Spatial Navigation: Adaptation or Side Effect?. Quarterly Review of Biology, 2012, 87, 289-313.	0.0	49
897	Improvement of Mental Rotation Ability Using Blender 3-D. , 2012, , .		8
898	Which spatial abilities and strategies predict malesâ€™ and femalesâ€™ performance in the object perspective test?. Cognitive Processing, 2012, 13, 267-270.	0.7	10
899	The role of testicular hormones and luteinizing hormone in spatial memory in adult male rats. Hormones and Behavior, 2012, 61, 479-486.	1.0	55

#	Article	IF	Citations
900	The relation between spatial skill and early number knowledge: The role of the linear number line.. Developmental Psychology, 2012, 48, 1229-1241.	1.2	379
901	Gender difference does not mean genetic difference: Externalizing improves performance in mental rotation. Learning and Individual Differences, 2012, 22, 20-24.	1.5	48
902	Adolescent boys' and girls' block constructions differ in structural balance: A block-building characteristic related to math achievement. Learning and Individual Differences, 2012, 22, 25-36.	1.5	18
903	Different mental rotation performance in students of music, sport and education. Learning and Individual Differences, 2012, 22, 159-163.	1.5	89
904	Reducing the sex difference in math anxiety: The role of spatial processing ability. Learning and Individual Differences, 2012, 22, 380-384.	1.5	80
905	A key role for experimental task performance: Effects of math talent, gender and performance on the neural correlates of mental rotation. Brain and Cognition, 2012, 78, 14-27.	0.8	92
906	The influence of juggling on mental rotation performance in children with spina bifida. Brain and Cognition, 2012, 80, 223-229.	0.8	5
907	Young girlsâ€™ arithmetic and spatial skills: The distal and proximal roles of family socioeconomics and home learning experiences. Early Childhood Research Quarterly, 2012, 27, 458-470.	1.6	98
908	Sex differences in fluid intelligence: Some findings from Bosnia and Herzegovina. Personality and Individual Differences, 2012, 53, 811-815.	1.6	3
909	Inferring cross sections of 3D objects: A new spatial thinking test. Learning and Individual Differences, 2012, 22, 868-874.	1.5	61
910	Training spatial ability: Comment on Pietsch and Jansen (2012) and prospective research trends. Learning and Individual Differences, 2012, 22, 882-883.	1.5	5
911	Sex differences in the missing-letter effect: A question of reading or visualâ€“spatial skills?. Learning and Individual Differences, 2012, 22, 664-672.	1.5	1
912	Exploring the use of handheld AR for outdoor navigation. Computers and Graphics, 2012, 36, 1084-1095.	1.4	62
913	The Relation Between Space and Math. Advances in Child Development and Behavior, 2012, 42, 197-243.	0.7	210
914	Greater cognitive deterioration in women than men with Alzheimer's disease: A meta analysis. Journal of Clinical and Experimental Neuropsychology, 2012, 34, 989-998.	0.8	219
915	Augmenting spatial skills with mobile devices. , 2012, , .		10
916	Gender differences in brand commitment, impulse buying, and hedonic consumption. Journal of Product and Brand Management, 2012, 21, 176-182.	2.6	143
917	Gender, Culture, and Sex-Typed Cognitive Abilities. PLoS ONE, 2012, 7, e39904.	1.1	149

#	Article	IF	Citations
918	Spatial Thinking and STEM Education. Psychology of Learning and Motivation - Advances in Research and Theory, 2012, , 147-181.	0.5	310
919	Brain, Behavior, and Cognition. , 0, , 215-237.		0
920	Sex differences in spatial cognition among Hadza foragers. Evolution and Human Behavior, 2012, 33, 274-284.	1.4	39
921	Six Myths About Spatial Thinking. International Journal of Science Education, 2012, 34, 955-971.	1.0	60
922	Women Who Know Their Place. Human Nature, 2012, 23, 133-148.	0.8	16
923	Confidence Mediates the Sex Difference in Mental Rotation Performance. Archives of Sexual Behavior, 2012, 41, 557-570.	1.2	92
924	Narrowing gender-based performance gaps in virtual environment navigation. Computers in Human Behavior, 2012, 28, 809-819.	5.1	31
925	The relation between childhood spatial activities and spatial abilities in adulthood. Journal of Applied Developmental Psychology, 2012, 33, 112-120.	0.8	48
926	Sex Differences in Early Infancy. Child Development Perspectives, 2012, 6, 400-406.	2.1	41
927	Training effects on mental rotation, spatial orientation and spatial visualisation depending on the initial level of spatial abilities. Procedia, Social and Behavioral Sciences, 2012, 33, 328-332.	0.5	20
928	Mirrored or identical â€" Is the role of visual perception underestimated in the mental rotation process of 3D-objects?: A combined fMRI-eye tracking-study. Neuropsychologia, 2012, 50, 1844-1851.	0.7	34
929	Sex differences in intelligence in younger and older participants of the Ravenâ€™s Standard Progressive Matrices Plus. Personality and Individual Differences, 2012, 53, 137-141.	1.6	22
930	Do the sex differences play such an important role in explaining performance in spatial tasks?. Personality and Individual Differences, 2012, 52, 659-663.	1.6	12
931	Sex differences on the judgment of line orientation task: A function of landmark presence and hormonal status. Physiology and Behavior, 2012, 105, 1045-1051.	1.0	14
932	The effects of color and light on indoor wayfinding and the evaluation of the perceived environment. Journal of Environmental Psychology, 2012, 32, 50-58.	2.3	129
933	Effect of visualâ€"spatial ability on medical students' performance in a gross anatomy course. Anatomical Sciences Education, 2012, 5, 3-9.	2.5	115
934	Dynamic threeâ€dimensional illustrator for teaching descriptive geometry and training visualisation skills. Computer Applications in Engineering Education, 2013, 21, 8-25.	2.2	19
935	Crawling is Associated with Mental Rotation Ability by 9â€Monthâ€Old Infants. Infancy, 2013, 18, 432-441.	0.9	86

#	Article	IF	Citations
936	Structural geology practice and learning, from the perspective of cognitive science. Journal of Structural Geology, 2013, 54, 72-84.	1.0	63
937	Effects of model orientation on the visuomotor imitation of arm movements: The role of mental rotation. Human Movement Science, 2013, 32, 314-327.	0.6	12
938	Self-rated rightâ€“left confusability and performance on the Money Road-Map Test. Psychological Research, 2013, 77, 575-582.	1.0	5
939	The improvement in mental rotation performance in primary school-aged children after a two-week motor-training. Educational Psychology, 2013, 33, 75-86.	1.2	25
940	Cognitive styles and mental rotation ability in map learning. Cognitive Processing, 2013, 14, 391-399.	0.7	48
941	Considering spatial ability in virtual route learning in early aging. Cognitive Processing, 2013, 14, 309-316.	0.7	22
942	Gender-Role Differences in Spatial Ability: A Meta-Analytic Review. Sex Roles, 2013, 68, 521-535.	1.4	90
943	Visualization Skills and Learning Style Patterns among Engineering Students at Universiti Teknologi Malaysia. Procedia, Social and Behavioral Sciences, 2013, 93, 1769-1775.	0.5	6
944	Improving Spatial Skills: An Orienteering Experience in Real and Virtual Environments with First Year Engineering Students. Procedia Computer Science, 2013, 25, 428-435.	1.2	12
945	Testosterone in the brain: Neuroimaging findings and the potential role for neuropsychopharmacology. European Neuropsychopharmacology, 2013, 23, 79-88.	0.3	66
946	Sex-specific development of spatial orientation is independent of peripubertal gonadal steroids. Psychoneuroendocrinology, 2013, 38, 1709-1716.	1.3	10
947	Cognitive problems in patients on androgen deprivation therapy: A qualitative pilot study. Urologic Oncology: Seminars and Original Investigations, 2013, 31, 1533-1538.	0.8	26
948	Music and Cognitive Abilities. , 2013, , 499-550.		109
949	Using a touch screen paradigm to assess the development of mental rotation between 3Â½ and 5Â½Âyears of age. Cognitive Processing, 2013, 14, 117-127.	0.7	86
950	Breaking new ground in the mind: an initial study of mental brittle transformation and mental rigid rotation in science experts. Cognitive Processing, 2013, 14, 143-152.	0.7	47
951	Twisting space: are rigid and non-rigid mental transformations separate spatial skills?. Cognitive Processing, 2013, 14, 163-173.	0.7	68
952	Understanding spatial transformations: similarities and differences between mental rotation and mental folding. Cognitive Processing, 2013, 14, 105-115.	0.7	74
953	Elimination of sex difference in direction giving. Cognitive Processing, 2013, 14, 197-199.	0.7	1

#	Article	IF	Citations
954	When do spatial abilities support student comprehension of STEM visualizations?. Cognitive Processing, 2013, 14, 129-142.	0.7	26
955	Explaining sex differences in mental rotation: role of spatial activity experience. Cognitive Processing, 2013, 14, 201-204.	0.7	60
956	The ability to point to well-known places in young and older adults. Aging Clinical and Experimental Research, 2013, 25, 203-209.	1.4	10
957	Sex-related structural differences in language areas of the human brain and their implications for intergroup relations in ancestral groups. Language Sciences, 2013, 40, 174-182.	0.5	1
958	Evaluation of Static and Dynamic Visualization Training Approaches for Users with Different Spatial Abilities. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2810-2817.	2.9	10
959	Size does matter: Women mentally rotate large objects faster than men. Scandinavian Journal of Psychology, 2013, 54, 196-204.	0.8	5
960	Differentiating two- from three-dimensional mental rotation training effects. Quarterly Journal of Experimental Psychology, 2013, 66, 1399-1413.	0.6	25
961	Using different methodologies and technologies to training spatial skill in Engineering Graphic subjects. , 2013, , .		8
962	From Tesla to Tetris: Mental Rotation, Vocation, and Gifted Education. Roeper Review, 2013, 35, 231-240.	0.6	11
963	Cognitive Sex Differences Are Not Magnified as a Function of Age, Sex Hormones, or Puberty Development During Early Adolescence. Developmental Neuropsychology, 2013, 38, 167-179.	1.0	52
964	Sex differences on g and non-g intellectual performance reveal potential sources of STEM discrepancies. Intelligence, 2013, 41, 11-18.	1.6	25
965	Cognitive sex differences in reasoning tasks: Evidence from Brazilian samples of educational settings. Intelligence, 2013, 41, 70-84.	1.6	78
966	Spatial skills as a predictor of first grade girls' use of higher level arithmetic strategies. Learning and Individual Differences, 2013, 23, 123-130.	1.5	68
967	Can spatial training improve long-term outcomes for gifted STEM undergraduates?. Learning and Individual Differences, 2013, 26, 141-152.	1.5	142
968	Augmented Reality Application Assistant for Spatial Ability Training. HMD vs Computer Screen Use Study. Procedia, Social and Behavioral Sciences, 2013, 93, 49-53.	0.5	8
969	The Development and Evaluation of a Kinect Sensor Assisted Learning System on the Spatial Visualization Skills. Procedia, Social and Behavioral Sciences, 2013, 103, 991-998.	0.5	9
970	Sex hormones and mental rotation: An intensive longitudinal investigation. Hormones and Behavior, 2013, 63, 345-351.	1.0	68
971	Do hormonal changes that appear at the onset of puberty determine the strategies used by female rats when solving a navigation task?. Hormones and Behavior, 2013, 64, 122-135.	1.0	17

#	Article	IF	Citations
972	The effects of web-based interactive virtual tours on the development of prospective mathematics teachers' spatial skills. Computers and Education, 2013, 63, 141-150.	5.1	21
973	Effects of decision making on landing mechanics as a function of task and sex. Clinical Biomechanics, 2013, 28, 104-109.	0.5	22
974	Development of mental rotation in 3- to 5-year-old children. Cognitive Development, 2013, 28, 386-399.	0.7	120
975	The joint role of spatial ability and imagery strategy in sustaining the learning of spatial descriptions under spatial interference. Learning and Individual Differences, 2013, 24, 32-41.	1.5	19
976	Comparisons of latent factor region means of spatial ability based on measurement invariance. Learning and Individual Differences, 2013, 27, 16-25.	1.5	3
977	Improved matrix reasoning is limited to training on tasks with a visuospatial component. Intelligence, 2013, 41, 341-357.	1.6	74
978	Cognitive effects of variations in pubertal timing: Is puberty a period of brain organization for human sex-typed cognition?. Hormones and Behavior, 2013, 63, 823-828.	1.0	43
979	Preverbal Infants' Attention to Manner and Path: Foundations for Learning Relational Terms. Child Development, 2013, 84, 241-252.	1.7	67
980	Sex Differences in the Mental Rotation of Chemistry Representations. Journal of Chemical Education, 2013, 90, 165-170.	1.1	18
981	The Synapse: Differences Between Men and Women. Research and Perspectives in Endocrine Interactions, 2013, , 43-57.	0.2	0
982	Mental rotation performance in primary school age children: Are there gender differences in chronometric tests?. Cognitive Development, 2013, 28, 51-62.	0.7	50
983	Sex Differences in Motor and Cognitive Abilities Predicted from Human Evolutionary History with Some Implications for Models of the Visual System. Journal of Sex Research, 2013, 50, 353-366.	1.6	8
984	Are There Parental Socialization Effects on the Sex-Typed Behavior of Individuals with Congenital Adrenal Hyperplasia?. Archives of Sexual Behavior, 2013, 42, 381-391.	1.2	44
985	A Meta-Analysis on Gender Differences in Mental Rotation Ability Measured by the Purdue Spatial Visualization Tests: Visualization of Rotations (PSVT:R). Educational Psychology Review, 2013, 25, 69-94.	5.1	256
986	An Assessment Instrument to Measure Geospatial Thinking Expertise. Journal of Geography, 2013, 112, 3-17.	1.8	50
987	Reliability and Percentiles of a Measure of Spatial Imagery. Imagination, Cognition and Personality, 2013, 32, 427-431.	0.5	21
988	The malleability of spatial skills: A meta-analysis of training studies.. Psychological Bulletin, 2013, 139, 352-402.	5.5	1,171
989	Environmentalâ€Scale Map Use in Middle Childhood: Links to Spatial Skills, Strategies, and Gender. Child Development, 2013, 84, 2047-2063.	1.7	32

#	Article	IF	Citations
990	Girls in detail, boys in shape: Gender differences when drawing cubes in depth. British Journal of Psychology, 2013, 104, 413-437.	1.2	32
991	A New Twist on Studying the Development of Dynamic Spatial Transformations: Mental Paper Folding in Young Children. Mind, Brain, and Education, 2013, 7, 49-55.	0.9	50
992	How users interact with a 3D geo-browser under time pressure. Cartography and Geographic Information Science, 2013, 40, 40-52.	1.4	30
993	Relative Validity of Distinct Spatial Abilities: An example with implications for diversity. International Journal of Selection and Assessment, 2013, 21, 400-406.	1.7	10
994	The intelligence of observation: improving high school studentsâ€™ spatial ability by means of intervention unit. International Journal of Mathematical Education in Science and Technology, 2013, 44, 179-195.	0.8	14
995	Relationships between Gender, Cognitive Ability, Preference, and Calculus Performance. Mathematical Thinking and Learning, 2013, 15, 175-189.	0.7	13
996	Wayfinding Strategies and Tourist Anxiety in Unfamiliar Destinations. Tourism Geographies, 2013, 15, 529-550.	2.2	43
997	Development of Map Construction Skills in Childhood. Journal of Cognition and Development, 2013, 14, 397-423.	0.6	6
998	Gender Differences in Multitasking Reflect Spatial Ability. Psychological Science, 2013, 24, 514-520.	1.8	97
999	Hemispheric Differences and Spatial Ability in Robot to Human Tactile Communication. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1154-1158.	0.2	0
1000	Can eye-tracking technology improve situational awareness in paramedic clinical education?. Open Access Emergency Medicine, 2013, 5, 23.	0.6	13
1001	How Sex and College Major Relate to Mental Rotation Accuracy and Preffered Strategy: An Electroencephalographic (EEG) Investigation.. Psychological Record, 2013, 63, 27-42.	0.6	7
1002	Children's Computation of Complex Linguistic Forms: A Study of Frequency and Imageability Effects. PLoS ONE, 2013, 8, e74683.	1.1	14
1003	The Psychology of Practice: Lessons From Spatial Cognition. , 2013, , .		0
1004	How Crawling and Manual Object Exploration are Related to the Mental Rotation Abilities of 9-Month-Old Infants. Frontiers in Psychology, 2013, 4, 97.	1.1	53
1006	Correlations between spatial skills: A test of the hunter-gatherer hypothesis. Journal of Evolutionary Psychology, 2014, 12, 19-44.	1.4	14
1007	Neuroanatomical Correlates of Intelligence in Healthy Young Adults: The Role of Basal Ganglia Volume. PLoS ONE, 2014, 9, e93623.	1.1	35
1008	The Importance of the Derivative in Sex-Hormone Cycles: A Reason Why Behavioural Measures in Sex-Hormone Studies Are So Mercurial. PLoS ONE, 2014, 9, e111891.	1.1	4

#	Article	IF	Citations
1009	Augmented Reality for the Assessment of Children's Spatial Memory in Real Settings. PLoS ONE, 2014, 9, e113751.	1.1	40
1010	The relation between childrenÃ¢â‚¬â„¢s constructive play activities, spatial ability, and mathematical word problem-solving performance: a mediation analysis in sixth-grade students. Frontiers in Psychology, 2014, 5, 782.	1.1	22
1011	Developmental Interventions to Address the STEM Gender Gap: Exploring Intended and Unintended Consequences. Advances in Child Development and Behavior, 2014, 47, 77-115.	0.7	42
1012	Are videogame training gains specific or general?. Frontiers in Systems Neuroscience, 2014, 8, 54.	1.2	55
1013	Gender Differences and Work-Related Communication in the UAE: A Qualitative Study. International Journal of Business and Management, 2014, 9, .	0.1	3
1014	The role of visuospatial and verbal abilities, styles and strategies in predicting visuospatial description accuracy. Learning and Individual Differences, 2014, 36, 117-123.	1.5	5
1015	Assessment of the effects of sex and sex hormones on spatial cognition in adult rats using the Barnes maze. Hormones and Behavior, 2014, 66, 298-308.	1.0	60
1016	Women in Academic Science. Psychological Science in the Public Interest: A Journal of the American Psychological Society, 2014, 15, 75-141.	6.7	717
1017	Visuo-Spatial Performance in Autism: A Meta-analysis. Journal of Autism and Developmental Disorders, 2014, 44, 3245-3263.	1.7	113
1019	Spatial ability at two scales of representation: A meta-analysis. Learning and Individual Differences, 2014, 36, 140-144.	1.5	36
1020	Spatial Thinking in Undergraduate Science Education. Spatial Cognition and Computation, 2014, 14, 142-167.	0.6	59
1021	The role of spatial abilities and self-assessments in cardinal point orientation across the lifespan. Learning and Individual Differences, 2014, 35, 113-121.	1.5	44
1022	Sex and ability differences in neural activation for disembedding figures: An EEG investigation. Learning and Individual Differences, 2014, 35, 142-146.	1.5	5
1023	Progesterone and Mental Rotation Task: Is There Any Effect?. BioMed Research International, 2014, 2014, 1-9.	0.9	9
1024	Menstrual cycle influence on cognitive function and emotion processingÃ¢â‚¬â€from a reproductive perspective. Frontiers in Neuroscience, 2014, 8, 380.	1.4	183
1025	Lexical Tendencies of High and Low Barrier Personalities in Narratives of Everyday and Dream Memories. Imagination, Cognition and Personality, 2014, 34, 133-161.	0.5	3
1026	Empowering early mastery of spatial visualization skills in under represented minority engineering students. , 2014, , .		1
1027	Effects of Gender, Imagery Ability, and Sports Practice on the Performance of a Mental Rotation Task. American Journal of Psychology, 2014, 127, 313-323.	0.5	23

#	Article	IF	Citations
1028	Angle-Based Drawing Accuracy Analysis and MentalÂModels of Three-Dimensional Space. Art and Perception, 2014, 2, 183-212.	0.6	3
1029	Visualization skills among Universiti Teknologi Malaysia student. , 2014, , .		3
1030	Deconstructing Building Blocks: Preschoolers' Spatial Assembly Performance Relates to Early Mathematical Skills. Child Development, 2014, 85, 1062-1076.	1.7	224
1031	Training Spatial Skills in Men and Women. Perceptual and Motor Skills, 2014, 119, 82-99.	0.6	32
1032	Working Memory and Strategy Use Contribute to Gender Differences in Spatial Ability. Educational Psychologist, 2014, 49, 261-282.	4.7	52
1033	Linguistic and Spatial Skills Predict Early Arithmetic Development via Counting Sequence Knowledge. Child Development, 2014, 85, 1091-1107.	1.7	147
1034	A Sex Difference in Mental Rotation in Infants: Convergent Evidence. Infancy, 2014, 19, 103-116.	0.9	91
1035	Using Realâ€World and Standardized Spatial Imagery Tasks: Convergence, Imagery Realism, and Gender Differences. Applied Cognitive Psychology, 2014, 28, 789-798.	0.9	1
1036	Motion controllers for learners to manipulate and interact with <scp>3D</scp> objects for mental rotation training. British Journal of Educational Technology, 2014, 45, 666-675.	3.9	14
1037	Spatial Ability Mediates the Gender Difference in Middle School Students' Science Performance. Child Development, 2014, 85, 1419-1432.	1.7	33
1038	Development of navigational working memory: Evidence from 6â€•to 10â€yearâ€old children. British Journal of Developmental Psychology, 2014, 32, 205-217.	0.9	35
1039	Who Needs 3D When the Universe Is Flat?. Science Education, 2014, 98, 412-442.	1.8	29
1040	The learning benefits of using eye trackers to enhance the geospatial abilities of elementary school students. British Journal of Educational Technology, 2014, 45, 340-355.	3.9	11
1041	Categorical Bias in Line Angle Judgments: Sex Differences and the Use of Multiple Categories. Spatial Cognition and Computation, 2014, 14, 199-219.	0.6	1
1042	Mazes and Maps: Can Young Children Find Their Way?. Mind, Brain, and Education, 2014, 8, 89-96.	0.9	26
1043	Do First Graders Make Efficient Use of External Number Representations? The Case of the Twenty-Frame. Cognition and Instruction, 2014, 32, 353-373.	1.9	9
1044	Is the Male Advantage in Mental-Rotation Performance Task Independent? On the Usability of Chronometric Tests and Paper-and-Pencil Tests in Children. International Journal of Testing, 2014, 14, 122-142.	0.2	16
1045	Transformation of the incomplete figure in young children. International Journal of Behavioral Development, 2014, 38, 23-32.	1.3	3

#	Article	IF	Citations
1046	Gesture in a kindergarten mathematics classroom. European Early Childhood Education Research Journal, 2014, 22, 45-66.	1.2	7
1047	Psychological Resources of Adults With Developmental Dyslexia. Journal of Learning Disabilities, 2014, 47, 543-555.	1.5	27
1048	A Structural Equation Model Explaining 8th Grade Studentsâ€™ Mathematics Achievements. Educational Sciences: Theory and Practice, 2014, , .	2.6	13
1049	Exploring Spatial Relationships: A Strategy for Guiding Technological Problem Solving. Journal of Automation, Mobile Robotics and Intelligent Systems, 2014, 8, 30-36.	0.4	1
1050	Sex differences in cognitive impairment and Alzheimerâ€™s disease. Frontiers in Neuroendocrinology, 2014, 35, 385-403.	2.5	382
1051	Dihydrotestosterone treatment delays the conversion from mild cognitive impairment to Alzheimer's disease in SAMP8 mice. Hormones and Behavior, 2014, 65, 505-515.	1.0	41
1052	Gender differences in imagery. Personality and Individual Differences, 2014, 59, 107-111.	1.6	42
1053	On gender differences in mental rotation processing speed. Learning and Individual Differences, 2014, 29, 8-17.	1.5	14
1054	Mental rotation ability in relation to self-perceptions of high school geometry. Learning and Individual Differences, 2014, 30, 58-63.	1.5	22
1055	Self-reported craft expertise predicts maintenance of spatial ability in old age. Cognitive Processing, 2014, 15, 227-231.	0.7	5
1056	Sex and Cultural Differences in Spatial Performance Between Japanese and North Americans. Archives of Sexual Behavior, 2014, 43, 483-491.	1.2	13
1057	How Do Academic Achievement and Gender Affect the Earnings of STEM Majors? A Propensity Score Matching Approach. Research in Higher Education, 2014, 55, 245-271.	1.0	32
1058	Are there gender differences in the cognitive components of adult reading comprehension?. Learning and Individual Differences, 2014, 32, 69-79.	1.5	24
1059	Kinesthesis Can Make an Invisible Hand Visible. Psychological Science, 2014, 25, 66-75.	1.8	52
1060	Interpretation of radiological images: towards a framework of knowledge and skills. Advances in Health Sciences Education, 2014, 19, 565-580.	1.7	61
1061	Endocrine-Disrupting Chemicals. Vitamins and Hormones, 2014, 94, 41-98.	0.7	12
1062	Object-based and egocentric mental rotation performance in older adults: The importance of gender differences and motor ability. Aging, Neuropsychology, and Cognition, 2014, 21, 296-316.	0.7	32
1063	Environmental Education in CÃ´te d'Ivoire/West Africa: Extra-Curricular Primary School Teaching Shows Positive Impact on Environmental Knowledge and Attitudes. International Journal of Science Education, Part B: Communication and Public Engagement, 2014, 4, 240-259.	0.9	51

#	Article	IF	Citations
1064	Neural and behavioral responses to attractiveness in adult and infant faces. Neuroscience and Biobehavioral Reviews, 2014, 46, 591-603.	2.9	117
1065	Sex differences in the ability to recognise non-verbal displays of emotion: A meta-analysis. Cognition and Emotion, 2014, 28, 1164-1195.	1.2	321
1066	Young girlsâ€™ spatial and arithmetic performance: The mediating role of maternal supportive interactions during joint spatial problem solving. Early Childhood Research Quarterly, 2014, 29, 636-648.	1.6	36
1067	Arts versus science â€" Academic background implicitly activates gender stereotypes on cognitive abilities with threat raising men's (but lowering women's) performance. Intelligence, 2014, 46, 235-245.	1.6	50
1068	Cognitive functioning in men receiving androgen deprivation therapy for prostate cancer: a systematic review and meta-analysis. Supportive Care in Cancer, 2014, 22, 2271-2280.	1.0	159
1069	Gender-Stereotyping and Cognitive Sex Differences in Mixed- and Same-Sex Groups. Archives of Sexual Behavior, 2014, 43, 1663-1673.	1.2	55
1070	Virtual Blocks: a serious game for spatial ability improvement on mobile devices. Multimedia Tools and Applications, 2014, 73, 1575-1595.	2.6	20
1071	Estradiol and mental rotation: Relation to dimensionality, difficulty, or angular disparity?. Hormones and Behavior, 2014, 65, 238-248.	1.0	50
1072	Effectiveness of visual and verbal prompts in training visuospatial processing skills in school age children. Instructional Science, 2014, 42, 995-1012.	1.1	14
1073	The Influence of Native Acquisition of Chinese on Mental Rotation Strategy Preference: An EEG Investigation. Psychological Record, 2014, 64, 321-328.	0.6	6
1074	Spatial thinking as the dimension of progress in an astronomy learning progression. Studies in Science Education, 2014, 50, 1-45.	3.4	63
1075	Development of mental transformation abilities. Trends in Cognitive Sciences, 2014, 18, 536-542.	4.0	120
1076	Predicting performance in manually controlled rendezvous and docking through spatial abilities. Advances in Space Research, 2014, 53, 362-369.	1.2	24
1078	Visuospatial anatomy comprehension: The role of spatial visualization ability and problemâ€solving strategies. Anatomical Sciences Education, 2014, 7, 280-288.	2.5	67
1079	Gender-Related Academic and Occupational Interests and Goals. Advances in Child Development and Behavior, 2014, 47, 43-76.	0.7	23
1080	Finding the missing piece: Blocks, puzzles, and shapes fuel school readiness. Trends in Neuroscience and Education, 2014, 3, 7-13.	1.5	109
1081	Visualizing cross sections: Training spatial thinking using interactive animations and virtual objects. Learning and Individual Differences, 2014, 33, 63-71.	1.5	52
1082	Gender Similarities and Differences. Annual Review of Psychology, 2014, 65, 373-398.	9.9	836

#	Article	IF	Citations
1083	Neuronal correlates of mental rotation performance in children with developmental dyslexia. NeuroReport, 2014, 25, 34-38.	0.6	3
1084	Sex Differences and Similarities in Urban Home Ranges and in the Accuracy of Cognitive Maps. Evolutionary Psychology, 2014, 12, 814-826.	0.6	1
1085	Where is Uphill? Exploring Sex Differences When Reorienting on a Sloped Environment Presented through 2-D Images. Perception, 2014, 43, 249-264.	0.5	3
1086	Spatial skills as predictors of success in first-year engineering. , 2014, , .		11
1087	Art as an Indicator of Male Fitness: Does Prenatal Testosterone Influence Artistic Ability?. Evolutionary Psychology, 2014, 12, 521-533.	0.6	4
1088	A cross-cultural exploration of spatial visualisation abilities of first year STEM students: Students from Gulf States and Ireland. , 2015, , .		2
1089	Young Children's Perception of Diagrammatic Representations. Spatial Cognition and Computation, 2015, 15, 227-245.	0.6	15
1091	Pretend play, divergent thinking, and math achievement in girls: A longitudinal study.. Psychology of Aesthetics, Creativity, and the Arts, 2015, 9, 296-305.	1.0	63
1093	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. Scientific Data, 2015, 2, 150031.	2.4	318
1094	Effect of Environment Immersivity on Encoding Strategies of Spatial Tasks. Procedia Manufacturing, 2015, 3, 5059-5066.	1.9	1
1095	The Development of Spatial Skills through Discovering in the Geometrical Education at Primary School. Procedia, Social and Behavioral Sciences, 2015, 186, 990-997.	0.5	3
1096	Spatial abilities and technical skills performance in health care: a systematic review. Medical Education, 2015, 49, 1065-1085.	1.1	29
1097	Mental Rotation With Tangible Threeâ€Ðimensional Objects: A New Measure Sensitive to Developmental Differences in 4â€•to 8â€Ÿearâ€Old Children. Mind, Brain, and Education, 2015, 9, 10-18.	0.9	78
1098	Comparing the Visitor Experience at Immersive and Tabletop Exhibits. Curator, 2015, 58, 401-422.	0.2	20
1099	How spatial abilities and dynamic visualizations interplay when learning functional anatomy with 3D anatomical models. Anatomical Sciences Education, 2015, 8, 452-462.	2.5	109
1100	Visuospatial Ability as a Predictor of Novice Performance in Ultrasound-guided Regional Anesthesia. Anesthesiology, 2015, 123, 1188-1197.	1.3	26
1101	Integrating Theatre and Geography to Develop Spatial Thinking in Youth. , 2015, 23, 67-80.		2
1102	Dyslexia and Visuospatial Ability in Maltese Male Adolescents. Journal of Educational and Social Research, 2015, , .	0.1	0

#	Article	IF	Citations
1103	Keeping It in Three Dimensions: Measuring the Development of Mental Rotation in Children with the Rotated Colour Cube Test (RCCT). International Journal of Developmental Sciences, 2015, 9, 95-114.	0.3	15
1104	The Potential of Embodied Cognition to Improve STEAM Instructional Dynamic Visualizations. , 2015, , 113-136.		10
1106	Effects of informative and confirmatory feedback on brain activation during negative feedback processing. Frontiers in Human Neuroscience, 2015, 9, 378.	1.0	11
1107	On the effects of testosterone on brain behavioral functions. Frontiers in Neuroscience, 2015, 9, 12.	1.4	140
1108	The Processing of Object Identity Information by Women and Men. PLoS ONE, 2015, 10, e0118984.	1.1	3
1109	The role of rotational hand movements and general motor ability in childrenâ€™s mental rotation performance. Frontiers in Psychology, 2015, 6, 984.	1.1	7
1110	Do gender differences in audio-visual benefit and visual influence in audio-visual speech perception emerge with age?. Frontiers in Psychology, 2015, 6, 1014.	1.1	11
1111	Google Earth Mapping Exercises for Structural Geology Studentsâ€"A Promising Intervention for Improving Penetrative Visualization Ability. Journal of Geoscience Education, 2015, 63, 140-146.	0.8	22
1112	Mental Rotation Ability and Computer Game Experience. International Journal of Game-Based Learning, 2015, 5, 15-26.	0.9	2
1113	Effects of gender and executive function on visuospatial working memory in adult obsessiveâ€"compulsive disorder. European Archives of Psychiatry and Clinical Neuroscience, 2015, 265, 707-718.	1.8	18
1114	Dyslexia and Visual-Spatial Talents. Current Psychology, 2015, 34, 207-222.	1.7	11
1115	Potential Mechanisms Driving Population Variation in Spatial Memory and the Hippocampus in Food-caching Chickadees. Integrative and Comparative Biology, 2015, 55, 354-371.	0.9	23
1116	Gender and Racial Differences: Development of Sixth Grade Students' Geometric Spatial Visualization within an Earth/Space Unit. School Science and Mathematics, 2015, 115, 330-343.	0.5	7
1117	Strategies for spatial skills development through the implementation of ICT. , 2015, , .		1
1118	Does the smartest designer design better? Effect of intelligence quotient on studentsâ€™ design skills in architectural design studio. Frontiers of Architectural Research, 2015, 4, 318-329.	1.3	8
1119	Learning Visualization Strategies: A qualitative investigation. International Journal of Science Education, 2015, 37, 3038-3065.	1.0	2
1120	Menstrual phase influences gender differences in visual dependence: A study with a computerised Rod and Frame Test. Journal of Cognitive Psychology, 2015, 27, 80-88.	0.4	8
1121	Chinese sex differences in intelligence: Some new evidence. Personality and Individual Differences, 2015, 75, 90-93.	1.6	16

#	Article	IF	Citations
1122	Is functional integration of resting state brain networks an unspecific biomarker for working memory performance?. NeuroImage, 2015, 108, 182-193.	2.1	51
1123	Development of the spatial ability self-report scale (SASRS): reliability and validity studies. Quality and Quantity, 2015, 49, 1997-2014.	2.0	26
1124	Pathways to arithmetic: The role of visual-spatial and language skills in written arithmetic, arithmetic word problems, and nonsymbolic arithmetic. Contemporary Educational Psychology, 2015, 41, 188-197.	1.6	74
1125	The role of 2D and 3D mental rotation in mathematics for young children: what is it? Why does it matter? And what can we do about it?. ZDM - International Journal on Mathematics Education, 2015, 47, 331-343.	1.3	63
1126	Factors Influencing Mental-Rotation with Action-based Gender-Stereotyped Objectsâ€"The Role of Fine Motor Skills. Current Psychology, 2015, 34, 466-476.	1.7	12
1127	Human Vulnerability for Brain and Cognitive Traits. , 2015, , 231-281.		0
1128	Effects of Power on Mental Rotation and Emotion Recognition in Women. Personality and Social Psychology Bulletin, 2015, 41, 1425-1437.	1.9	14
1129	Heritability and the evolution of cognitive traits: Table 1. Behavioral Ecology, 2015, 26, 1447-1459.	1.0	104
1130	Comparative perspectives on human gender development and evolution. American Journal of Physical Anthropology, 2015, 156, 72-97.	2.1	12
1131	A relational structure of voluntary visual-attention abilities.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 761-789.	0.7	10
1132	Paths with More Turns are Perceived as Longer: Misperceptions with Map-Based and Abstracted Path Stimuli. Perceptual and Motor Skills, 2015, 120, 438-461.	0.6	6
1133	Age differences in path learning: The role of interference in updating spatial information. Learning and Individual Differences, 2015, 38, 83-89.	1.5	6
1134	On the relation between math and spatial ability: The case of math anxiety. Learning and Individual Differences, 2015, 39, 1-12.	1.5	93
1135	Innovative testing of spatial ability: interactive responding and the use of complex stimuli material. Cognitive Processing, 2015, 16, 45-55.	0.7	0
1136	No sex differences in the TAMI. Cognitive Processing, 2015, 16, 203-209.	0.7	6
1137	Relationship between spatial ability, visuospatial working memory and self-assessed spatial orientation ability: a study in older adults. Cognitive Processing, 2015, 16, 165-176.	0.7	61
1138	Sex, but not Apolipoprotein E Polymorphism, Differences in Spatial Performance in Young Adults. Archives of Sexual Behavior, 2015, 44, 2219-2226.	1.2	17
1139	Accumulation of experience in a vast number of cases: enactivism as a fit framework for the study of spatial reasoning in mathematics education. ZDM - International Journal on Mathematics Education, 2015, 47, 269-279.	1.3	22

#	Article	IF	Citations
1140	Gender-Specific Differences in Cognitive Profiles of Patients with Alzheimerâ€™s Disease: Results of the Prospective Dementia Registry Austria (PRODEM-Austria). Journal of Alzheimer's Disease, 2015, 46, 631-637.	1.2	20
1141	STEM Education. Annual Review of Sociology, 2015, 41, 331-357.	3.1	248
1142	Effects of Spatial Ability, Gender Differences, and Pictorial Training on Children Using 2-D and 3-D Environments to Recall Landmark Locations From Memory. Journal of Research on Technology in Education, 2015, 47, 1-20.	4.0	7
1143	Cars or dolls? Influence of the stereotyped nature of the items on children's mental-rotation performance. Learning and Individual Differences, 2015, 43, 75-82.	1.5	10
1144	Spatial Skills Training in Introductory Computing. , 2015, , .		45
1145	Student Moon Observations and Spatial-Scientific Reasoning. International Journal of Science Education, 2015, 37, 1815-1833.	1.0	13
1146	Improving Construction Equipment Operation Safety from a Human-centered Perspective. Procedia Engineering, 2015, 118, 290-295.	1.2	11
1147	Gesture is More Effective than Spatial Language in Encoding Spatial Information. Quarterly Journal of Experimental Psychology, 2015, 68, 2384-2401.	0.6	20
1148	The Bicycle Drawing Test. Assessment, 2015, 22, 629-639.	1.9	2
1149	Map learning in young and older adults: The influence of perceived stereotype threat. Learning and Individual Differences, 2015, 42, 77-82.	1.5	10
1150	The evaluation of visuospatial performance between screen and paper. Displays, 2015, 39, 26-32.	2.0	5
1151	Sex differences in academic achievement are not related to political, economic, or social equality. Intelligence, 2015, 48, 137-151.	1.6	190
1152	Sex differences in spatial navigation and perception in human adolescents and emerging adults. Behavioural Processes, 2015, 111, 42-50.	0.5	39
1153	Profiles of visual perceptual functions in Down syndrome. Research in Developmental Disabilities, 2015, 37, 112-118.	1.2	16
1154	Spatial cognition, mobility, and reproductive success in northwestern Namibia. Evolution and Human Behavior, 2015, 36, 123-129.	1.4	52
1155	Understanding Gender Differences in Media Perceptions of Hedonic Systems. Journal of Database Management, 2016, 27, 23-37.	1.0	7
1157	A Rested Development. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 680-684.	0.2	2
1158	Effects of using dynamic mathematics software on pre-service mathematics teachers spatial visualization skills: The case of spatial analytic geometry. Educational Research and Reviews, 2016, 11, 449-458.	0.3	7

#	Article	IF	Citations
1159	The Correlation between Pre-Service Science Teachersâ€™ Astronomy Achievement, Attitudes towards Astronomy and Spatial Thinking Skills. Journal of Education and Learning, 2016, 5, 187.	0.2	5
1160	A Survey of Visual Perceptual Disorders in Typically Developing Children, and Comparison of Motor and Motor-Free Visual Perceptual Training in Such Children. Journal of Neurological Disorders, 2016, 4, .	0.1	1
1161	Sex differences in cognitive impairment in Alzheimerâ€™s disease. World Journal of Psychiatry, 2016, 6, 54.	1.3	211
1162	Assessing Visuospatial Abilities in Healthy Aging: A Novel Visuomotor Task. Frontiers in Aging Neuroscience, 2016, 8, 7.	1.7	25
1163	Influence of Ethnicity, Gender and Answering Mode on a Virtual Point-to-Origin Task. Frontiers in Behavioral Neuroscience, 2016, 10, 22.	1.0	3
1164	Sex Differences in Gray Matter Volume of the Right Anterior Hippocampus Explain Sex Differences in Three-Dimensional Mental Rotation. Frontiers in Human Neuroscience, 2016, 10, 580.	1.0	55
1165	Different Effects of Hypoxia on Mental Rotation of Normal and Mirrored Letters: Evidence from the Rotation-Related Negativity. PLoS ONE, 2016, 11, e0154479.	1.1	8
1166	Sex Differences in Using Spatial and Verbal Abilities Influence Route Learning Performance in a Virtual Environment: A Comparison of 6- to 12-Year Old Boys and Girls. Frontiers in Psychology, 2016, 7, 258.	1.1	42
1167	You Should Be the Specialist! Weak Mental Rotation Performance in Aviation Security Screeners â€“ Reduced Performance Level in Aviation Security with No Gender Effect. Frontiers in Psychology, 2016, 7, 333.	1.1	11
1168	The Relationship between Expertise in Sports, Visuospatial, and Basic Cognitive Skills. Frontiers in Psychology, 2016, 7, 904.	1.1	67
1169	Action Video Game Training for Healthy Adults: A Meta-Analytic Study. Frontiers in Psychology, 2016, 7, 907.	1.1	106
1170	Experimental But Not Sex Differences of a Mental Rotation Training Program on Adolescents. Frontiers in Psychology, 2016, 7, 1050.	1.1	31
1171	Beyond Conceptual Knowledge: The Impact of Childrenâ€™s Theory-of-Mind on Dyadic Spatial Tasks. Frontiers in Psychology, 2016, 7, 1635.	1.1	6
1172	Maturation of Subjective Visual Vertical in Children. Otology and Neurotology, 2016, 37, 761-766.	0.7	6
1173	Acquisition of spatial knowledge through self-directed interaction with a virtual model of a multi-level building: Effects of training and individual differences. Computers in Human Behavior, 2016, 64, 191-205.	5.1	13
1174	Interactive and additive influences of Gender, BMI and Apolipoprotein 4 on cognition in children chronically exposed to high concentrations of PM2.5 and ozone. APOE 4 females are at highest risk in Mexico City. Environmental Research, 2016, 150, 411-422.	3.7	68
1175	Sex differences in spatial cognition: advancing the conversation. Wiley Interdisciplinary Reviews: Cognitive Science, 2016, 7, 127-155.	1.4	121
1176	Sex Differences in Furniture Assembly Performance: An Experimental Study. Applied Cognitive Psychology, 2016, 30, 226-233.	0.9	3

#	Article	IF	Citations
1177	The eye of the beholder: Can patterns in eye movement reveal aptitudes for spatial reasoning?. Anatomical Sciences Education, 2016, 9, 357-366.	2.5	14
1178	Scientific reasoning in kindergarten: Cognitive factors in experimentation and evidence evaluation. Learning and Individual Differences, 2016, 49, 190-200.	1.5	28
1179	Test interactivity is promising in promoting gender equity in females' pursuit of STEM careers. Learning and Individual Differences, 2016, 49, 201-208.	1.5	5
1180	Physical models have genderâ€specific effects on student understanding of protein structureâ€“function relationships. Biochemistry and Molecular Biology Education, 2016, 44, 326-335.	0.5	22
1181	Evaluation of children with ADHD on the Ball-Search Field Task. Scientific Reports, 2016, 6, 19664.	1.6	15
1182	Training young children on sequential relations among numbers and spatial decomposition: Differential transfer to number line and mental transformation tasks.. Developmental Psychology, 2016, 52, 854-866.	1.2	59
1183	Science Education. Review of Research in Education, 2016, 40, 529-587.	0.8	19
1184	Training effects and sex difference in preschoolersâ€™ spatial reasoning ability. Developmental Psychobiology, 2016, 58, 896-908.	0.9	6
1185	The Empathizing-Systemizing Theory, Social Abilities, and Mathematical Achievement in Children. Scientific Reports, 2016, 6, 23011.	1.6	16
1186	Listening to classical music results in a positive correlation between spatial reasoning and mindfulness.. Psychomusicology: Music, Mind and Brain, 2016, 26, 226-235.	1.1	10
1187	Factors in the Development of Spatial Cognition in Boys and Girls: Assessing the Impacts of Biology and Navigational Experience. Boyhood Studies, 2016, 9, .	0.2	2
1188	Sex differences in visuospatial and navigational working memory: the role of mood induced by background music. Experimental Brain Research, 2016, 234, 2381-2389.	0.7	37
1189	Dimensionality of the Raven's Advanced Progressive Matrices: Sex differences and visuospatial ability. Personality and Individual Differences, 2016, 100, 157-166.	1.6	19
1190	Reading disability and enhanced dynamic spatial reasoning: A review of the literature. Brain and Cognition, 2016, 105, 55-65.	0.8	14
1191	Technical Communication in Assembly Instructions. Journal of Business and Technical Communication, 2016, 30, 29-58.	1.4	5
1192	Not all anxious individuals get lost: Trait anxiety and mental rotation ability interact to explain performance in map-based route learning in men. Neurobiology of Learning and Memory, 2016, 132, 1-8.	1.0	34
1193	A sex comparison of reactive knee stiffness regulation strategies under cognitive loads. Clinical Biomechanics, 2016, 35, 86-92.	0.5	16
1194	Separate but correlated: The latent structure of space and mathematics across development.. Journal of Experimental Psychology: General, 2016, 145, 1206-1227.	1.5	195

#	Article	IF	Citations
1195	A Tale of Two Types of Perspective Taking. Psychological Science, 2016, 27, 1507-1516.	1.8	116
1196	A Bayesian Power Analysis Procedure Considering Uncertainty in Effect Size Estimates from a Meta-analysis. Multivariate Behavioral Research, 2016, 51, 589-605.	1.8	12
1197	Exploring the Development of Spatial Skills in a Video Game. , 2016, , .		0
1198	Sex differences in brain and behavior in adolescence: Findings from the Philadelphia Neurodevelopmental Cohort. Neuroscience and Biobehavioral Reviews, 2016, 70, 159-170.	2.9	157
1199	Not all is lost in older adults' route learning: The role of visuo-spatial abilities and type of task. Journal of Environmental Psychology, 2016, 47, 230-241.	2.3	23
1200	The sexual dimorphic association of cardiorespiratory fitness to working memory in children. Developmental Science, 2016, 19, 90-108.	1.3	45
1201	To what degree does handling concrete molecular models promote the ability to translate and coordinate between 2D and 3D molecular structure representations? A case study with Algerian students. Chemistry Education Research and Practice, 2016, 17, 862-877.	1.4	16
1202	Spatial Processing in Infancy Predicts Both Spatial and Mathematical Aptitude in Childhood. Psychological Science, 2016, 27, 1291-1298.	1.8	79
1203	Advances in user-training for mental-imagery-based BCI control. Progress in Brain Research, 2016, 228, 3-35.	0.9	101
1204	College students' performance in an introductory atmospheric science course: associations with spatial ability. Meteorological Applications, 2016, 23, 409-419.	0.9	9
1205	Rotation is visualisation, 3D is 2D: using a novel measure to investigate the genetics of spatial ability. Scientific Reports, 2016, 6, 30545.	1.6	5
1206	Rotate it! â€“ Effects of touch-based gestures on elementary school students' solving of mental rotation tasks. Computers and Education, 2016, 103, 158-169.	5.1	22
1207	Teaching motivation and strategies to improve mental rotation abilities. Intelligence, 2016, 59, 16-23.	1.6	29
1208	Exploring the role of spatial cognition in problem solving. , 2016, , .		0
1209	Sex differences in chronometric mental rotation with human bodies. Psychological Research, 2016, 80, 974-984.	1.0	33
1210	Bidirectional relationship between visual spatial skill and Chinese character reading in Chinese kindergartners: A cross-lagged analysis. Contemporary Educational Psychology, 2016, 46, 94-100.	1.6	35
1211	No Evidence for Effects of Fitness Relevance or Sex Differences in a Virtual Hunting and Gathering Task. Evolutionary Psychological Science, 2016, 2, 84-100.	0.8	1
1212	Sex Hormones and Cognition: Neuroendocrine Influences on Memory and Learning. , 2016, 6, 1295-1337.		151

#	Article	IF	Citations
1213	University entry score. Journal of Engineering, Design and Technology, 2016, 14, 328-342.	1.1	3
1214	Wayfinding Behaviors in Complex Buildings. Environment and Behavior, 2016, 48, 482-510.	2.1	57
1215	Influence of design training and spatial solution strategies on spatial ability performance. International Journal of Technology and Design Education, 2016, 26, 123-131.	1.7	18
1216	From Geocentrism to Allocentrism: Teaching the Phases of the Moon in a Digital Full-Dome Planetarium. Research in Science Education, 2016, 46, 43-77.	1.4	20
1217	Mental rotation training: transfer and maintenance effects on spatial abilities. Psychological Research, 2016, 80, 113-127.	1.0	36
1218	Neural Activation During Mental Rotation in Complete Androgen Insensitivity Syndrome: The Influence of Sex Hormones and Sex Chromosomes. Cerebral Cortex, 2016, 26, 1036-1045.	1.6	37
1219	Why Go There? Evolution of Mobility and Spatial Cognition in Women and Men. Human Nature, 2016, 27, 1-15.	0.8	82
1220	Sex differences in visuospatial abilities persist during induced hypogonadism. Neuropsychologia, 2016, 81, 219-229.	0.7	14
1221	Sex Differences in Mobility and Spatial Cognition. Human Nature, 2016, 27, 16-34.	0.8	30
1222	Sex and cognition: gender and cognitive functions. Current Opinion in Neurobiology, 2016, 38, 53-56.	2.0	178
1223	Is there a relationship between the performance in a chronometric mentalâ€rotations test and salivary testosterone and estradiol levels in children aged 9â€“14 years?. Developmental Psychobiology, 2016, 58, 120-128.	0.9	13
1224	Gender-Typed Play and Social Abilities in Boys and Girls: Are They Related?. Sex Roles, 2016, 74, 399-410.	1.4	84
1225	Linking language, visual-spatial, and executive function skills to number competence in very young Chinese children. Early Childhood Research Quarterly, 2016, 36, 178-189.	1.6	61
1226	Stereotype manipulation effects on math and spatial test performance: A meta-analysis. Learning and Individual Differences, 2016, 47, 103-116.	1.5	85
1227	Establishing a link between sex-related differences in the structural connectome and behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150111.	1.8	121
1228	Individual differences in the process of relational reasoning. Learning and Instruction, 2016, 42, 141-159.	1.9	23
1229	Sex difference in spatial ability for college students and exploration of measurement invariance. Learning and Individual Differences, 2016, 45, 176-184.	1.5	16
1230	Are Gender Differences in Spatial Ability Real or an Artifact? Evaluation of Measurement Invariance on the Revised PSVT:R. Journal of Psychoeducational Assessment, 2016, 34, 397-403.	0.9	15

#	Article	IF	Citations
1231	Developing spatial visualization and mental rotation with a digital puzzle game at primary school level. Computers in Human Behavior, 2016, 57, 23-30.	5.1	32
1232	Sex and sex-role differences in specific cognitive abilities. Intelligence, 2016, 54, 147-158.	1.6	48
1233	A Quick Assessment of Visuospatial Abilities in Adolescents Using the Design Organization Test (DOT). Applied Neuropsychology: Child, 2016, 5, 44-49.	0.7	5
1234	Differences in cognitive ability and apparent sex differences in corpus callosum size. Psychological Research, 2016, 80, 853-859.	1.0	9
1235	Asymmetric response time functions during left-/right-facing discriminations of rotated objects: The short and the long of it. Memory and Cognition, 2016, 44, 124-142.	0.9	5
1236	Age and gender differences in spatial perspective taking. Aging Clinical and Experimental Research, 2016, 28, 289-296.	1.4	28
1237	Women outperform men in remembering to remember. Quarterly Journal of Experimental Psychology, 2016, 69, 65-74.	0.6	15
1238	The role of practice and strategy in mental rotation training: transfer and maintenance effects. Psychological Research, 2017, 81, 415-431.	1.0	30
1239	The abilities of understanding spatial relations, spatial orientation, and spatial visualization affect 3D product design performance: using carton box design as an example. International Journal of Technology and Design Education, 2017, 27, 131-147.	1.7	16
1240	Student Teachersâ€™ Knowledge About Chemical Representations. International Journal of Science and Mathematics Education, 2017, 15, 39-55.	1.5	4
1241	Women are not less field independent than menâ€"the role of stereotype threat. International Journal of Psychology, 2017, 52, 415-419.	1.7	3
1242	Cognitive and Personality Characteristics of Masculinity and Femininity Predict Wayfinding Competence and Strategies of Men and Women. Sex Roles, 2017, 76, 747-758.	1.4	15
1243	Sex differences in number line estimation: The role of numerical estimation. British Journal of Psychology, 2017, 108, 334-350.	1.2	18
1244	Improvements in anatomy knowledge when utilizing a novel cyclical â€œObserveâ€Reflectâ€Drawâ€Editâ€Repeatâ€• learning process. Anatomical Sciences Education, 2017, 10, 7-22.	2.5	50
1245	Sex differences in visual-spatial working memory: A meta-analysis. Psychonomic Bulletin and Review, 2017, 24, 307-334.	1.4	257
1246	Visuospatial training improves elementary studentsâ€™ mathematics performance. British Journal of Educational Psychology, 2017, 87, 170-186.	1.6	144
1247	The effects of gender, flow and video game experience on combat identification training. Ergonomics, 2017, 60, 1101-1111.	1.1	9
1248	Spatial-Thinking Knowledge Acquisition from Route-Based Learning and Survey Learning: Improvement of Spatial Orientation Skill with Geographic Information Science Sources. Journal of Surveying Engineering, - ASCE, 2017, 143, 05016009.	1.0	12

#	Article	IF	Citations
1249	Visual map and instruction-based bicycle navigation: a comparison of effects on behaviour. Ergonomics, 2017, 60, 1283-1296.	1.1	10
1250	Quantifying the variability of sceneâ€selective regions: Interindividual, interhemispheric, and sex differences. Human Brain Mapping, 2017, 38, 2260-2275.	1.9	43
1251	A video game for the neuropsychological screening of children. Entertainment Computing, 2017, 20, 1-9.	1.8	11
1252	The visual perception of distance ratios outdoors. Attention, Perception, and Psychophysics, 2017, 79, 1195-1203.	0.7	10
1253	Making Sense of Space: Distributed Spatial Sensemaking in a Middle School Summer Engineering Camp. Journal of the Learning Sciences, 2017, 26, 277-319.	2.0	18
1254	The importance of spatial orientation and knowledge of traffic signs for children's traffic safety. Accident Analysis and Prevention, 2017, 102, 81-92.	3.0	27
1255	Sex and Ability Differences in Neural Strategy for Piagetâ€™s Water Level Test. Perceptual and Motor Skills, 2017, 124, 351-365.	0.6	0
1256	The effectiveness of virtual and augmented reality in health sciences and medical anatomy. Anatomical Sciences Education, 2017, 10, 549-559.	2.5	546
1257	Sex differences in verbal fluency: the role of strategies and instructions. Cognitive Processing, 2017, 18, 407-417.	0.7	36
1258	Motor expertise and performance in spatial tasks: A meta-analysis. Human Movement Science, 2017, 54, 110-124.	0.6	79
1259	Learning styles theory fails to explain learning and achievement: Recommendations for alternative approaches. Personality and Individual Differences, 2017, 116, 410-416.	1.6	77
1260	The gender effect in 3D-Mental-rotation performance with familiar and gender-stereotyped objects â€“ a study with elementary school children. Journal of Cognitive Psychology, 2017, 29, 717-730.	0.4	26
1261	Apolipoprotein E4, Gender, Body Mass Index, Inflammation, Insulin Resistance, and Air Pollution Interactions: Recipe for Alzheimerâ€™s Disease Development in Mexico City Young Females. Journal of Alzheimer's Disease, 2017, 58, 613-630.	1.2	31
1262	Mental Rotation of Tactical Instruction Displays Affects Information Processing Demand and Execution Accuracy in Basketball. Research Quarterly for Exercise and Sport, 2017, 88, 365-370.	0.8	8
1263	Learning Three-Dimensional Anatomical Structures with Animation: Effect of Orientation References and Learnersâ€™ Spatial Ability. , 2017, , 279-303.		6
1264	Untangling the Relationship Between Spatial Skills, Game Features, and Gender in a Video Game. , 2017, , .		12
1265	Game Features and Individual Differences. , 2017, , .		3
1266	Does growth rate in spatial ability matter in predicting early arithmetic competence?. Learning and Instruction, 2017, 49, 232-241.	1.9	40

#	Article	IF	Citations
1267	Sex and the stimulus-movement effect: Differences in acquisition of autoshaped responding in cynomolgus monkeys. Physiology and Behavior, 2017, 171, 40-49.	1.0	2
1268	Age, Sex, and STEM Education Influence Spatial Processing Performance. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1224-1228.	0.2	1
1269	Gender disparities in child development in the east Asia-Pacific region: a cross-sectional, population-based, multicountry observational study. The Lancet Child and Adolescent Health, 2017, 1, 213-224.	2.7	30
1270	Pathways to reading, mathematics, and science: Examining domain-general correlates in young Chinese children. Contemporary Educational Psychology, 2017, 51, 366-377.	1.6	43
1271	Parentsâ€™ Spatial Language Mediates a Sex Difference in Preschoolersâ€™ Spatial-Language Use. Psychological Science, 2017, 28, 1583-1596.	1.8	51
1272	The contribution of spatial ability to mathematics achievement in middle childhood. Journal of Experimental Child Psychology, 2017, 163, 107-125.	0.7	85
1274	Sex differences in spatial accuracy relate to the neural activation of antagonistic muscles in young adults. Experimental Brain Research, 2017, 235, 2425-2436.	0.7	7
1275	Sex differences in non-verbal and verbal abilities in childhood and adolescence. Intelligence, 2017, 64, 81-88.	1.6	39
1276	Gender perspectives on spatial tasks in a national assessment: a secondary data analysis. Research in Mathematics Education, 2017, 19, 199-216.	1.0	10
1277	Cognitive Task Analysis of Spatial Skills in Hysterectomy with the Da Vinchi Surgical System. , 2017, , .		2
1278	Promotion of Spatial Skills in Chemistry and Biochemistry Education at the College Level. Journal of Chemical Education, 2017, 94, 996-1006.	1.1	28
1279	Gender Differences in Toddlersâ€™ Visual-Spatial Skills. Mathematical Thinking and Learning, 2017, 19, 167-180.	0.7	4
1280	Validity of Spatial Ability Tests for Selection into STEM (Science, Technology, Engineering, and Math) Career Fields: The Example of Military Aviation. , 2017, , 11-34.		5
1281	Sexâ€•and ageâ€•related differences in câ€fos expression in dog olfactory bulbs. Acta Zoologica, 2017, 98, 370-376.	0.6	5
1282	Complementarity of sex differences in brain and behavior: From laterality to multimodal neuroimaging. Journal of Neuroscience Research, 2017, 95, 189-199.	1.3	107
1283	Sex differences in the human visual system. Journal of Neuroscience Research, 2017, 95, 617-625.	1.3	60
1284	Spatial abilities and anatomy knowledge assessment: A systematic review. Anatomical Sciences Education, 2017, 10, 235-241.	2.5	47
1285	From 3D modeling to 3D printing: Development of a differentiated spatial ability teaching model. Telematics and Informatics, 2017, 34, 604-613.	3.5	73

#	Article	IF	Citations
1286	The spaceâ€•math link in preschool boys and girls: Importance of mental transformation, targeting accuracy, and spatial anxiety. British Journal of Developmental Psychology, 2017, 35, 249-266.	0.9	11
1287	Measurement of Spatial Ability: Construction and Validation of the Spatial Reasoning Instrument for Middle School Students. Journal of Psychoeducational Assessment, 2017, 35, 709-727.	0.9	68
1288	Framing the figure: Mental rotation revisited in light of cognitive strategies. Memory and Cognition, 2017, 45, 63-80.	0.9	16
1289	Using mobile applications for learning: Effects of simulation design, visual-motor integration, and spatial ability on high school studentsâ€™ conceptual understanding. Computers in Human Behavior, 2017, 66, 103-113.	5.1	31
1290	Different perspectives: Spatial ability influences where individuals look on a timed spatial test. Anatomical Sciences Education, 2017, 10, 224-234.	2.5	17
1291	An investigation of design studio performance in relation to creativity, spatial ability, and visual cognitive style. Thinking Skills and Creativity, 2017, 23, 67-78.	1.9	49
1292	Which cognitive abilities underlie computational thinking? Criterion validity of the Computational Thinking Test. Computers in Human Behavior, 2017, 72, 678-691.	5.1	467
1293	Differences in Image Rotation Between Undergraduates From Different University Degrees. Imagination, Cognition and Personality, 0, , 027623661774813.	0.5	3
1294	Investigation on the effects of measuring authentic contexts on geometry learning. , 2017, , .		4
1295	Spatial abilities improve brain-computer interface performance indexed by electroencephalography. , 2017, , .		2
1297	Biopsychology of sex differences. , 0, , 764-769.		0
1298	Sex Differences and Menstrual Cycle Dependent Changes in Cognitive Strategies during Spatial Navigation and Verbal Fluency. Frontiers in Psychology, 2017, 8, 381.	1.1	38
1299	Map Learning with a 3D Printed Interactive Small-Scale Model: Improvement of Space and Text Memorization in Visually Impaired Students. Frontiers in Psychology, 2017, 8, 930.	1.1	44
1300	Narratives with Robots: The Impact of Interaction Context and Individual Differences on Story Recall and Emotional Understanding. Frontiers in Robotics and AI, 2017, 4, .	2.0	36
1301	Comparative Research of Visual Interpretation of Aerial Images and Topographic Maps for Unskilled Users: Searching for Objects Important for Decision-Making in Crisis Situations. ISPRS International Journal of Geo-Information, 2017, 6, 231.	1.4	7
1302	Spatial Orientation Skill Improvement with Geospatial Applications: Report of a Multi-Year Study. ISPRS International Journal of Geo-Information, 2017, 6, 278.	1.4	11
1303	Gonadal Hormones and Sexual Differentiation of Human Brain andÂBehavior. , 2017, , 247-278.		3
1304	Transcranial Alternating Current Stimulation (tACS) Enhances Mental Rotation Performance during and after Stimulation. Frontiers in Human Neuroscience, 2017, 11, 2.	1.0	146

#	Article	IF	Citations
1305	Absence of population structure across elevational gradients despite large phenotypic variation in mountain chickadees (Poecile gambeli). Royal Society Open Science, 2017, 4, 170057.	1.1	21
1306	Umbilical cord androgens and estrogens in relation to verbal and nonverbal abilities at age 10 in the general population. PLoS ONE, 2017, 12, e0173493.	1.1	2
1307	Spatial and Visual Reasoning: Do These Abilities Improve in First-Year Veterinary Medical Students Exposed to an Integrated Curriculum?. Journal of Veterinary Medical Education, 2017, 44, 669-675.	0.4	15
1308	The effect of gender on vection perception and postural responses induced by immersive virtual rotation drum. , 2017, , .		3
1309	Development of an online, strategy-based intervention to improve spatial skills. , 2017, , .		2
1310	Instructor-Led Approach to Integrating an Augmented Reality Sandbox into a Large-Enrollment Introductory Geoscience Course for Nonmajors Produces No Gains. Journal of Geoscience Education, 2017, 65, 283-291.	0.8	23
1311	NeuroCave: A web-based immersive visualization platform for exploring connectome datasets. Network Neuroscience, 2018, 2, 344-361.	1.4	18
1312	Is the spatial/math connection unique? Associations between mental rotation and elementary mathematics and English achievement. Learning and Individual Differences, 2018, 62, 180-199.	1.5	8
1313	Hormonal Treatment in Young People With Gender Dysphoria: A Systematic Review. Pediatrics, 2018, 141, .	1.0	102
1314	Supporting Spatial Skill Learning with Gesture-Based Embodied Design. , 2018, , .		10
1316	Sexual differentiation of contextual fear responses. Learning and Memory, 2018, 25, 230-240.	0.5	34
1317	Effects of methamphetamine abuse on spatial cognitive function. Scientific Reports, 2018, 8, 5502.	1.6	6
1318	Childrenâ€™s attention to task-relevant information accounts for relations between language and spatial cognition. Journal of Experimental Child Psychology, 2018, 172, 107-129.	0.7	19
1319	Mental Transformation Skill in Young Children: The Role of Concrete and Abstract Motor Training. Cognitive Science, 2018, 42, 1207-1228.	0.8	19
1320	Investigating gender and spatial measurements in instructional animation research. Computers in Human Behavior, 2018, 89, 446-456.	5.1	33
1321	Enhanced Reality Showing Long-Lasting Analgesia after Total Knee Arthroplasty: Prospective, Randomized Clinical Trial. Scientific Reports, 2018, 8, 2343.	1.6	29
1322	Charting the development of cognitive mapping. Journal of Experimental Child Psychology, 2018, 170, 86-106.	0.7	72
1323	Neural Activity During Mental Rotation in Deaf Signers: The Influence of Long-Term Sign Language Experience. Ear and Hearing, 2018, 39, 1015-1024.	1.0	5

#	Article	IF	Citations
1324	The effects of correlated colour temperature on wayfinding: A study in a virtual airport environment. Displays, 2018, 51, 9-19.	2.0	26
1325	Where will it go? How children and adults reason about force and motion. Cognitive Development, 2018, 45, 113-124.	0.7	6
1326	Impact of rotation angle on crawling and non-crawling 9-month-old infantsâ€™ mental rotation ability. Journal of Experimental Child Psychology, 2018, 170, 45-56.	0.7	14
1327	The effect of math SAT on women's chemistry competency beliefs. Chemistry Education Research and Practice, 2018, 19, 342-351.	1.4	37
1328	Culture, Sex, and Intelligence. , 0, , 30-48.		1
1329	A longitudinal study in learning preferences and academic performance in first year medical school. Anatomical Sciences Education, 2018, 11, 488-495.	2.5	8
1330	Establishing Measurement Equivalence Across Computer- and Paper-Based Tests of Spatial Cognition. Human Factors, 2018, 60, 340-350.	2.1	9
1331	Functional connectivity predicts gender: Evidence for gender differences in resting brain connectivity. Human Brain Mapping, 2018, 39, 1765-1776.	1.9	181
1332	Gender Labels on Gender-Neutral Colors: Do they Affect Childrenâ€™s Color Preferences and Play Performance?. Sex Roles, 2018, 79, 260-272.	1.4	33
1333	Gender differences in mental rotation strategy depend on degree of autistic traits. Autism Research, 2018, 11, 1024-1037.	2.1	7
1334	A Heuristic Framework of Spatial Ability: a Review and Synthesis of Spatial Factor Literature to Support its Translation into STEM Education. Educational Psychology Review, 2018, 30, 947-972.	5.1	91
1335	Increased physical education at school improves the visual-spatial cognition during adolescence. Educational Psychology, 2018, 38, 964-976.	1.2	14
1336	The Contribution of Stereoscopic and Motion Depth Cues to the Perception of Structures in 3D Point Clouds. ACM Transactions on Applied Perception, 2018, 15, 1-13.	1.2	8
1337	Spatial Visualization ability improves with and without studying Technical Drawing. Cognitive Processing, 2018, 19, 387-397.	0.7	7
1338	The Menstrual Cycle Influences Emotion but Has Limited Effect on Cognitive Function. Vitamins and Hormones, 2018, 107, 349-376.	0.7	46
1340	Conceptual Learning Outcomes of Virtual Experiential Learning: Results of Google Earth Exploration in Introductory Geoscience Courses. Research in Science Education, 2018, 48, 533-548.	1.4	16
1341	Exploring visuospatial abilities and their contribution to constructional abilities and nonverbal intelligence. Applied Neuropsychology Adult, 2018, 25, 166-173.	0.7	2
1342	The Development of Spatial Skills in Elementary School Students. Child Development, 2018, 89, 446-460.	1.7	27

#	Article	IF	Citations
1343	The impact of stereoscopic imagery and motion on anatomical structure recognition and visual attention performance. Anatomical Sciences Education, 2018, 11, 15-24.	2.5	18
1344	Equity and spatial reasoning: reducing the mathematical achievement gap in gender and social disadvantage. Mathematics Education Research Journal, 2018, 30, 65-75.	0.9	9
1345	Interactive Virtual and Physical Manipulatives for Improving Studentsâ€™ Spatial Skills. Journal of Educational Computing Research, 2018, 55, 1088-1110.	3.6	15
1346	Extending the nomological network of computational thinking with non-cognitive factors. Computers in Human Behavior, 2018, 80, 441-459.	5.1	75
1347	Ability and sex differences in spatial thinking: What does the mental rotation test really measure?. Psychonomic Bulletin and Review, 2018, 25, 1212-1219.	1.4	67
1348	Sex Differences in Mental Rotation Ability Are a Consequence of Procedure and Artificiality of Stimuli. Evolutionary Psychological Science, 2018, 4, 124-133.	0.8	16
1349	The effects of computer-aided design software on engineering studentsâ€™ spatial visualisation skills. European Journal of Engineering Education, 2018, 43, 296-308.	1.5	19
1350	Cognitive precursors of word reading versus arithmetic competencies in young Chinese children. Early Childhood Research Quarterly, 2018, 42, 55-65.	1.6	37
1351	Enhancing spatial ability and mechanical reasoning through a STEM course. International Journal of Technology and Design Education, 2018, 28, 957-983.	1.7	20
1352	Early contributions to infantsâ€™ mental rotation abilities. Developmental Science, 2018, 21, e12613.	1.3	58
1353	Women in Academic Science: Experimental Findings From Hiring Studies. Educational Psychologist, 2018, 53, 22-41.	4.7	36
1354	Presence and cybersickness in immersive content: Effects of content type, exposure time and gender. Computers and Graphics, 2018, 71, 159-165.	1.4	67
1355	Geometrical distortions in geographical cognitive maps. Journal of Environmental Psychology, 2018, 55, 53-69.	2.3	14
1356	Specificity of mental transformations involved in understanding spatial structures. Learning and Individual Differences, 2018, 61, 40-50.	1.5	9
1357	Visuo-spatial abilities are key for young childrenâ€™s verbal number skills. Journal of Experimental Child Psychology, 2018, 166, 604-620.	0.7	33
1358	Reference frames in spatial updating when body-based cues are absent. Memory and Cognition, 2018, 46, 32-42.	0.9	8
1359	The Importance of Diagrams, Graphics and Other Visual Representations in STEM Teaching. , 2018, , 169-196.		10
1360	Absence of sex differences in mental rotation performance in autism spectrum disorder. Autism, 2018, 22, 855-865.	2.4	8

#	Article	IF	Citations
1361	Performance on tasks of visuospatial memory and ability: A cross-sectional study in 330 adolescents aged 11 to 20. Applied Neuropsychology: Child, 2018, 7, 129-142.	0.7	7
1362	Spatial skills in undergraduate studentsâ€"Influence of gender, motivation, academic training, and childhood play. , 2018, 14, 668-683.		31
1363	Observation of the Effect of Gender on Childrenâ€™s Concept of Motion; Sustainability Issue. Sustainability, 2018, 10, 3076.	1.6	1
1364	Investigating the Development of Reasoning Abilities Among Bruneian Physics Students After 1 Year Exposure to Cambridge International Advanced Level Program. Journal of Physics: Conference Series, 2018, 1108, 012060.	0.3	0
1365	Visuospatial Working Memory Mediates the Relationship Between Executive Functioning and Spatial Ability. Frontiers in Psychology, 2018, 9, 2302.	1.1	15
1366	Sex Differences in Gains Among Hispanic Pre-kindergartnersâ€™ Mental Rotation Skills. Frontiers in Psychology, 2018, 9, 2563.	1.1	4
1367	The Link between Spatial Skills and Engineering Problem-Solving. , 2018, , .		3
1368	Chapter 11 Assessing the Impact of Virtual Reality on Engineering Studentsâ€™ Spatial Ability. , 2018, , 171-185.		5
1369	Sex Differences of Driversâ€™ Parking Behavior: The Influence of Environment, Psychology, and Driving Ability. , 2018, , .		0
1370	The impact of an intervention program on studentsâ€™ spatial reasoning: student engagement through mathematics-enhanced learning activities. Cognitive Research: Principles and Implications, 2018, 3, 50.	1.1	26
1371	Analysis of the Learning Effectiveness of Atayal Culture CPS Spatial Concept Course on Indigenous Students. Eurasia Journal of Mathematics, Science and Technology Education, 2018, 14, .	0.7	2
1372	The Effects of Immersion and Interactivity on College Studentsâ€™ Acceptance of a Novel VR-Supported Educational Technology for Mental Rotation. IEEE Access, 2018, 6, 66590-66599.	2.6	22
1373	Sex/gender differences in cognition, neurophysiology, and neuroanatomy. F1000Research, 2018, 7, 805.	0.8	130
1374	Entry-Level Spatial and General Non-verbal Reasoning: Can These Abilities be Used as a Predictor for Anatomy Performance in Veterinary Medical Students?. Frontiers in Veterinary Science, 2018, 5, 226.	0.9	5
1375	The Role of Sex and Sex Steroids in the Novel Object Recognition Task. Handbook of Behavioral Neuroscience, 2018, 27, 499-529.	0.7	3
1376	Study on Development of Real-Time Vestibular Measuring Device. , 2018, , .		0
1377	A teacherâ€™s judgment of spatial ability. School Science and Mathematics, 2018, 118, 320-331.	0.5	5
1378	Physical models can provide superior learning opportunities beyond the benefits of active engagements. Biochemistry and Molecular Biology Education, 2018, 46, 435-444.	0.5	27

#	Article	IF	Citations
1379	Childhood preference for spatial toys. Gender differences and relationships with mental rotation in STEM and non-STEM students. Learning and Individual Differences, 2018, 68, 108-115.	1.5	29
1380	Which Cognitive Abilities Make the Difference? Predicting Academic Achievements in Advanced STEM Studies. Journal of Intelligence, 2018, 6, 48.	1.3	23
1381	The Sexual Differentiation of the Human Brain: Role of Sex Hormones Versus Sex Chromosomes. Current Topics in Behavioral Neurosciences, 2018, 43, 45-67.	0.8	28
1382	The developmental relations between spatial cognition and mathematics in primary school children. Developmental Science, 2019, 22, e12786.	1.3	50
1383	The Interaction Between Spatial Reasoning Constructs and Mathematics Understandings in Elementary Classrooms. Research in Mathematics Education, 2018, , 253-276.	0.1	18
1384	Object exploration facilitates 4-month-oldsâ€™ mental rotation performance. PLoS ONE, 2018, 13, e0200468.	1.1	55
1385	Motor Reproduction of Time Interval Depends on Internal Temporal Cues in the Brain: Sensorimotor Imagery in Rhythm. Frontiers in Psychology, 2018, 9, 1873.	1.1	12
1386	The aid of colour on visuospatial navigation of elderly people in a virtual polyclinic environment. Color Research and Application, 2018, 43, 872-884.	0.8	12
1387	Does spatial skills instruction improve STEM outcomes? The answer is â€˜yesâ€™. Learning and Individual Differences, 2018, 67, 209-222.	1.5	82
1388	Video Game Play, Mathematics, Spatial Skills, and Creativityâ€”A Study of the Impact on Teacher Candidates. Mathematics Education in the Digital Era, 2018, , 303-322.	0.2	2
1389	Improving spatial thinking skills among undergraduate geology students through short online training exercises. International Journal of Science Education, 2018, 40, 2205-2225.	1.0	29
1390	Drawing in a Virtual 3D Space - Introducing VR Drawing in Elementary School Art Education. , 2018, , .		7
1391	Sex differences in spatial navigation: the role of gonadal hormones. Current Opinion in Behavioral Sciences, 2018, 23, 176-182.	2.0	19
1392	Virtual Orientation Overrides Physical Orientation to Define a Reference Frame in Spatial Updating. Frontiers in Human Neuroscience, 2018, 12, 269.	1.0	4
1393	Climbing Sports Effect Specific Visual-Spatial Abilities. Journal of Imagery Research in Sport and Physical Activity, 2018, 13, .	1.1	3
1394	Move the Object or Move Myself? Walking vs. Manipulation for the Examination of 3D Scientific Data. Frontiers in ICT, 2018, 5, .	3.6	22
1395	Sex-related differences in vision are heterogeneous. Scientific Reports, 2018, 8, 7521.	1.6	60
1396	Is Visuospatial Reasoning Related to Early Mathematical Development? A Critical Review. , 2018, , 177-210.		16

#	Article	IF	Citations
1397	Sex and age modulate the visual perception of distance. Attention, Perception, and Psychophysics, 2018, 80, 2022-2032.	0.7	8
1398	Investigating the foundations of spatial thinking in meteorology. Journal of Geoscience Education, 2018, 66, 246-257.	0.8	8
1399	Topographical survey engineering education retrofitted by computerâ€aided 3Dâ€printing. Computer Applications in Engineering Education, 2018, 26, 2116-2130.	2.2	5
1400	The differences of individual spatial strategy on their solving performance. , 2018, , .		0
1401	Laterality-Specific Training Improves Mental Rotation Performance in Young Soccer Players. Frontiers in Psychology, 2018, 9, 220.	1.1	8
1402	From What Age Is Mental Rotation Training Effective? Differences in Preschool Age but Not in Sex. Frontiers in Psychology, 2018, 9, 753.	1.1	21
1403	Do Gender-Related Stereotypes Affect Spatial Performance? Exploring When, How and to Whom Using a Chronometric Two-Choice Mental Rotation Task. Frontiers in Psychology, 2018, 9, 1261.	1.1	29
1404	Modulating Spatial Processes and Navigation via Transcranial Electrical Stimulation: A Mini Review. Frontiers in Human Neuroscience, 2017, 11, 649.	1.0	11
1405	Cooperative and Competitive Contextual Effects on Social Cognitive and Empathic Neural Responses. Frontiers in Human Neuroscience, 2018, 12, 218.	1.0	14
1406	Sex differences in associations between spatial ability and corpus callosum morphology. Journal of Neuroscience Research, 2018, 96, 1380-1387.	1.3	9
1407	Heuristics and CAD modelling: an examination of student behaviour during problem solving episodes within CAD modelling activities. International Journal of Technology and Design Education, 2018, 28, 939-956.	1.7	7
1408	Spatial decision dynamics during wayfinding: intersections prompt the decision-making process. Cognitive Research: Principles and Implications, 2018, 3, .	1.1	22
1409	Augmented reality tools for industrial applications: What are potential key performance indicators and who benefits?. Computers in Human Behavior, 2018, 87, 18-33.	5.1	136
1410	Sex Differences in Visual Motion Processing. Current Biology, 2018, 28, 2794-2799.e3.	1.8	35
1411	Global Determinants of Navigation Ability. Current Biology, 2018, 28, 2861-2866.e4.	1.8	196
1412	Can gender priming eliminate the effects of stereotype threat? The case of simple dynamic systems. Acta Psychologica, 2018, 188, 65-73.	0.7	5
1413	Student progression on chemical symbol representation abilities at different grade levels (Grades) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	9
1414	Effects of geometric toy design on parentâ€“child interactions and spatial language. Early Childhood Research Quarterly, 2019, 46, 126-141.	1.6	31

#	Article	IF	Citations
1415	The gist and details of sex differences in cognition and the brain: How parallels in sex differences across domains are shaped by the locus coeruleus and catecholamine systems. Progress in Neurobiology, 2019, 176, 120-133.	2.8	23
1416	Knowing when to fold 'em: Problem attributes and strategy differences in the Paper Folding test. Personality and Individual Differences, 2019, 146, 171-181.	1.6	9
1417	No sex difference in an everyday multitasking paradigm. Psychological Research, 2019, 83, 286-296.	1.0	16
1418	Cognitive sex differences and hemispheric asymmetry: A critical review of 40 years of research. Laterality, 2019, 24, 204-252.	0.5	110
1419	The relationship between theory of mind and mental rotation ability in preschool-aged children. Cogent Psychology, 2019, 6, .	0.6	4
1420	Mental-rotation performance in middle and high-school age: influence of stimulus material, gender stereotype beliefs, and perceived ability of gendered activities. Journal of Cognitive Psychology, 2019, 31, 594-604.	0.4	8
1421	The influence of personality traits and facets on visuo-spatial task performance and self-assessed visuo-spatial inclinations in young and older adults. PLoS ONE, 2019, 14, e0220525.	1.1	9
1422	Visual Search on Aerial Imagery as Support for Finding Lost Persons. , 2019, , .		4
1423	Testosterone Supplementation and Cognitive Functioning in Menâ€"A Systematic Review and Meta-Analysis. Journal of the Endocrine Society, 2019, 3, 1465-1484.	0.1	21
1424	Enhancing Graphic Communication and Design Student Teachersâ€™ Spatial Visualisation Skills through 3D Solid Computer Modelling. African Journal of Research in Mathematics, Science and Technology Education, 2019, 23, 52-63.	0.2	5
1425	Gender Differences in Large-Scale and Small-Scale Spatial Ability: A Systematic Review Based on Behavioral and Neuroimaging Research. Frontiers in Behavioral Neuroscience, 2019, 13, 128.	1.0	57
1426	Gender, videogames and navigation in virtual space. Acta Psychologica, 2019, 199, 102895.	0.7	22
1427	Spatial reasoning ability of mathematics college students. Journal of Physics: Conference Series, 2019, 1188, 012102.	0.3	2
1428	Understanding photosynthesis videos: Studentsâ€™ visual-spatial ability and cognitive activities in senior high school. AIP Conference Proceedings, 2019, , .	0.3	0
1429	Learning anytime, anywhere: a spatio-temporal analysis for online learning. Interactive Learning Environments, 2022, 30, 34-48.	4.4	18
1430	The effects of feedback on the gender differences in the performance in a chronometric mental-rotation test. Journal of Cognitive Psychology, 2019, 31, 467-475.	0.4	4
1431	Beyond Biological Sex: Interactive Effects of Gender Role and Sex Hormones on Spatial Abilities. Frontiers in Neuroscience, 2019, 13, 675.	1.4	16
1432	Beyond small-scale spatial skills: Navigation skills and geoscience education. Cognitive Research: Principles and Implications, 2019, 4, 17.	1.1	20

#	Article	IF	Citations
1433	Comparing Human Versus Machine-Driven Cadastral Boundary Feature Extraction. Remote Sensing, 2019, 11, 1662.	1.8	14
1434	The Development of Spatial Memory Analyzed by Means of Ecological Walking Task. Frontiers in Psychology, 2019, 10, 728.	1.1	14
1435	Mental Images and School Learning: A Longitudinal Study on Children. Frontiers in Psychology, 2019, 10, 2034.	1.1	14
1436	Estimating the true extent of gender differences in scholastic achievement: A neural network approach. Intelligence, 2019, 77, 101398.	1.6	1
1437	Authoring tools for creating 360 multisensory videosâ€"Evaluation of different interfaces. Expert Systems, 2021, 38, e12418.	2.9	8
1438	Stable Specification Search in Structural Equation Models with Latent Variables. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-23.	2.9	3
1439	Gender Differences in Competition Among Gifted Students: The Role of Single-Sex Versus Co-Ed Classrooms. Roeper Review, 2019, 41, 199-211.	0.6	4
1440	Technical drawing course, video games, gender, and type of school on spatial ability. Journal of Educational Research, 2019, 112, 575-589.	0.8	4
1441	Risk-taking during wayfinding is modulated by external stressors and personality traits. Spatial Cognition and Computation, 2019, 19, 283-308.	0.6	4
1442	The Influence of Spatial Visualization Training on Studentsâ€™ Spatial Reasoning and Mathematics Performance. Journal of Cognition and Development, 2019, 20, 729-751.	0.6	64
1443	PREPARING FOR STEM: IMPACT OF SPATIAL VISUALIZATION TRAINING ON MIDDLE SCHOOL MATH PERFORMANCE. Journal of Women and Minorities in Science and Engineering, 2019, 25, 1-23.	0.5	7
1444	Evidence of a Relationship Between Mental Rotation Skills and Performance in a 3D Puzzle Game. Frontiers in Education, 2019, 4, .	1.2	5
1445	Positive outcome of visuospatial deficit rehabilitation in children with epilepsy using computer-based FORAMENRehab program. Epilepsy and Behavior, 2019, 100, 106521.	0.9	2
1446	Gender Imbalance in Instructional Dynamic Versus Static Visualizations: a Meta-analysis. Educational Psychology Review, 2019, 31, 361-387.	5.1	66
1447	Boys and girls gain in spatial, but not in mathematical ability after mental rotation training in primary education. Learning and Individual Differences, 2019, 70, 1-11.	1.5	19
1448	Do geology field courses improve penetrative thinking?. Journal of Geoscience Education, 2019, 67, 143-160.	0.8	27
1449	The relation between mental rotation and handedness is a consequence of how handedness is measured. Brain and Cognition, 2019, 130, 28-36.	0.8	10
1450	Longitudinal contributions of executive functioning and visual-spatial skills to mathematics learning in young Chinese children. Educational Psychology, 2019, 39, 678-704.	1.2	28

#	Article	IF	Citations
1451	Longitudinal Analysis of Associations between 3-D Mental Rotation and Mathematics Reasoning Skills during Middle School: Across and within Genders. Journal of Cognition and Development, 2019, 20, 487-509.	0.6	9
1452	The effects of mental rotation on computational thinking. Computers and Education, 2019, 141, 103613.	5.1	48
1453	A Player-Centric Approach to Designing Spatial Skill Training Games. , 2019, , .		6
1454	Enhancing Spatial Ability Through a Virtual Reality Game for Primary School Children: â€œThe Wizard of Upside Downâ€• An Experimental Approach. Communications in Computer and Information Science, 2019, , 519-528.	0.4	0
1455	The role of gesture as simulated action in reinterpretation of mental imagery. Acta Psychologica, 2019, 197, 131-142.	0.7	5
1456	Positive Effects of Videogame Use on Visuospatial Competencies: The Impact of Visualization Style in Preadolescents and Adolescents. Frontiers in Psychology, 2019, 10, 1226.	1.1	20
1457	Analysis of Psychological Influences on Navigation Use While Driving Based on Extended Theory of Planned Behavior. Transportation Research Record, 2019, 2673, 480-490.	1.0	13
1458	User choice of interactive data visualization format: The effects of cognitive style and spatial ability. Decision Support Systems, 2019, 122, 113061.	3.5	22
1459	Mathematical Development in the Early Home Environment. , 2019, , 107-142.		9
1460	Memory for Object Location in Augmented Reality: The Role of Gender and the Relationship Among Spatial and Anxiety Outcomes. Frontiers in Human Neuroscience, 2019, 13, 113.	1.0	15
1461	Integrating 3D Visualisation Technologies in Undergraduate Anatomy Education. Advances in Experimental Medicine and Biology, 2019, 1120, 39-53.	0.8	41
1462	Using Eye Tracking to Explore the Impacts of Geography Courses on Map-based Spatial Ability. Sustainability, 2019, 11, 76.	1.6	10
1463	Age and Gender Differences in Performance for Operating a Robotic Manipulator. IEEE Transactions on Human-Machine Systems, 2019, 49, 137-149.	2.5	4
1464	Who gets lost and why: A representative cross-sectional survey on sociodemographic and vestibular determinants of wayfinding strategies. PLoS ONE, 2019, 14, e0204781.	1.1	11
1465	The Choice of Sports Affects Mental Rotation Performance in Adolescents. Frontiers in Neuroscience, 2019, 13, 224.	1.4	7
1466	Genetic and environmental influences on spatial reasoning: A meta-analysis of twin studies. Intelligence, 2019, 73, 65-77.	1.6	20
1467	The Effect of Body-Related Stimuli on Mental Rotation in Children, Young and Elderly Adults. Scientific Reports, 2019, 9, 1169.	1.6	25
1468	Understanding Spatial Ability in Interior Design Education: 2Dâ€“toâ€“3D Visualization Proficiency as a Predictor of Design Performance. Journal of Interior Design, 2019, 44, 141-159.	0.4	16

#	Article	IF	Citations
1469	Is learning anytime, anywhere a good strategy for success? Identifying successful spatial-temporal patterns of on-the-job and full-time students. Information Discovery and Delivery, 2019, 47, 173-181.	1.6	9
1470	Educational Implications of Spatial Memory. , 2019, , .		0
1471	Why Sex Matters: A Cognitive Study of People With Multiple Sclerosis. Cognitive and Behavioral Neurology, 2019, 32, 39-45.	0.5	13
1472	Preliminary Study of Neuroscience-based Cognitive Skill Training and Brainwave Changes in Children with Learning Disabilities. , 2019, , .		0
1473	The influence of TAPPS technique on studentsâ€™ problem solving abilities. Journal of Physics: Conference Series, 2019, 1317, 012140.	0.3	0
1474	Sex-related Differences in Spatial Ability and Signal Detection Task Performance. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1239-1243.	0.2	0
1475	Individual differences in young childrenâ€™s visual-spatial abilities. Early Child Development and Care, 2021, 191, 2246-2259.	0.7	2
1476	Sex Differences in Intelligence. , 2019, , 317-345.		2
1477	A Testbed for Fun and Effective Features in Spatial Skill Training Games. , 2019, , .		0
1478	The Representation of Imagery of the City: The Impact of Studies and Imagery Ability. Japanese Psychological Research, 2019, 61, 179-191.	0.4	4
1479	Procedural and relational understanding of pre-service mathematics teachers regarding spatial perception of angles in pyramids. International Journal of Mathematical Education in Science and Technology, 2019, 50, 121-140.	0.8	1
1480	Learning to code via tablet applications: An evaluation of Daisy the Dinosaur and Kodable as learning tools for young children. Computers and Education, 2019, 128, 52-62.	5.1	66
1481	Problematizing spatial literacy within the school curriculum. International Journal of Technology and Design Education, 2019, 29, 685-700.	1.7	7
1482	Sex differences in hippocampal cognition and neurogenesis. Neuropsychopharmacology, 2019, 44, 200-213.	2.8	215
1483	Mixed reality holograms for heart surgery planning: first user experience in congenital heart disease. European Heart Journal Cardiovascular Imaging, 2019, 20, 883-888.	0.5	104
1484	Different practice effects for males and females by psychometric and chronometric mental-rotation tests. Journal of Cognitive Psychology, 2019, 31, 92-103.	0.4	11
1485	The experience of virtual reality: are individual differences in mental imagery associated with sense of presence?. Cognitive Processing, 2019, 20, 291-298.	0.7	51
1486	Gender and Age Differences in Spatial Imagery and Image Rotation. Imagination, Cognition and Personality, 2019, 39, 109-119.	0.5	4

#	Article	IF	Citations
1487	Strategies Applied by Pre-service Elementary School Mathematics Teachers for Coping with Tasks that Require a Mental Rotation. International Journal of Science and Mathematics Education, 2019, 17, 1563-1584.	1.5	5
1488	Young Chinese Children's Academic Skill Development: Identifying Child-, Family-, and School-Level Factors. New Directions for Child and Adolescent Development, 2019, 2019, 9-37.	1.3	23
1489	Shared and Distinct Neural Bases of Large- and Small-Scale Spatial Ability: A Coordinate-Based Activation Likelihood Estimation Meta-Analysis. Frontiers in Neuroscience, 2018, 12, 1021.	1.4	8
1490	The relation between spatial skills and mathematical abilities: The mediating role of mental number line representation. Contemporary Educational Psychology, 2019, 56, 14-24.	1.6	27
1491	The influence of visualâ€“spatial skills on the association between processing of nonsymbolic numerical magnitude and number word sequence skills. Journal of Experimental Child Psychology, 2019, 178, 184-197.	0.7	8
1492	Distinguishing experts from novices by the Mindâ€™s Hand and Mindâ€™s Eye. Cognitive Psychology, 2019, 109, 1-25.	0.9	9
1493	Gender-affirming hormones and surgery in transgender children and adolescents. Lancet Diabetes and Endocrinology,the, 2019, 7, 484-498.	5.5	95
1494	Decoupling the Effects of Wayfinding Competence, Trait-Anxiety and Subjective Well-Being from a GESIS German Sample. Current Psychology, 2019, 38, 249-259.	1.7	4
1495	Sex differences and menstrual cycle effects in cognitive and sensory resting state networks. Brain and Cognition, 2019, 131, 66-73.	0.8	71
1496	Individual Decision-Performance Using Spatial Decision Support Systems: A Geospatial Reasoning Ability and Perceived Task-Technology Fit Perspective. Information Systems Frontiers, 2019, 21, 1369-1384.	4.1	16
1497	Immersive $$360^{circ }$$ 360 â˜ video user experience: impact of different variables in the sense of presence and cybersickness. Universal Access in the Information Society, 2019, 18, 77-87.	2.1	44
1498	Investigating the use of spatial reasoning strategies in geometric problem solving. International Journal of Technology and Design Education, 2019, 29, 341-362.	1.7	37
1499	Longitudinal study of the impact of requiring training for students with initially weak spatial skills. European Journal of Engineering Education, 2019, 44, 153-163.	1.5	15
1500	Can emotional intelligence be trained? A meta-analytical investigation. Human Resource Management Review, 2019, 29, 140-155.	3.3	178
1501	Spatial transformation abilities and their relation to later mathematics performance. Psychological Research, 2019, 83, 1465-1484.	1.0	97
1502	Guiding Low Spatial Ability Individuals through Visual Cueing: The Dual Importance of Where and When to Look. Anatomical Sciences Education, 2019, 12, 32-42.	2.5	25
1503	Spatial cognition in engineering education: developing a spatial ability framework to support the translation of theory into practice. European Journal of Engineering Education, 2019, 44, 164-178.	1.5	15
1504	Training early visuo-spatial abilities: A controlled classroom-based intervention study. Applied Developmental Science, 2019, 23, 1-21.	1.0	39

#	Article	IF	Citations
1505	Developmental differences between 1st and 3rd year of Early Childhood Education (preschool) in mental rotation and its training. Psychological Research, 2020, 84, 1056-1064.	1.0	6
1506	The effect of augmented reality activities on improving preschool childrenâ€™s spatial skills. Interactive Learning Environments, 2020, 28, 876-889.	4.4	25
1507	The effects of engineering design processes on spatial abilities of middle school students. International Journal of Technology and Design Education, 2020, 30, 127-148.	1.7	7
1508	Predicting short- and long-term cognitive training success in healthy older adults: who benefits?. Aging, Neuropsychology, and Cognition, 2020, 27, 351-369.	0.7	16
1509	Mediation Relationships Among Gender, Spatial Ability, Math Anxiety, and Math Achievement. Educational Psychology Review, 2020, 32, 1-15.	5.1	22
1510	Spatial Abilities Training in Anatomy Education: A Systematic Review. Anatomical Sciences Education, 2020, 13, 71-79.	2.5	44
1511	Reconceptualizing Physical Sex as a Continuum: Are There Sex Differences in Video Game Preference?. Mass Communication and Society, 2020, 23, 421-451.	1.2	4
1512	The effects of visualization format and spatial ability on learning star motions. Journal of Computer Assisted Learning, 2020, 36, 61-69.	3.3	6
1513	Identifying neuropsychological predictors of drawing skills in elementary school children. Child Neuropsychology, 2020, 26, 345-361.	0.8	8
1514	Is Spatial Ability Related to Mathematical Ability: a Meta-analysis. Educational Psychology Review, 2020, 32, 113-155.	5.1	73
1515	Anatomy Dissection Course Improves the Initially Lower Levels of Visualâ€Spatial Abilities of Medical Undergraduates. Anatomical Sciences Education, 2020, 13, 333-342.	2.5	27
1516	Interior Design. , 2020, , 685-694.		0
1517	A computerized spatial orientation test. Behavior Research Methods, 2020, 52, 799-812.	2.3	25
1518	Neuropsychological Assessment of Firstâ€Year Architecture Studentsâ€™ Visuospatial Abilities: Overview. International Journal of Art and Design Education, 2020, 39, 211-226.	0.6	1
1519	Societal level gender inequalities amplify gender gaps in problem solving more than in academic disciplines. Intelligence, 2020, 79, 101422.	1.6	6
1520	Do Gender, Discipline, and Mental Rotation Influence Orientation on â€œYou-Are-Hereâ€•Maps. SAGE Open, 2020, 10, 215824401989880.	0.8	4
1521	The cognitive mechanisms of the powerâ€“space associations: an individual differences approach. Journal of General Psychology, 2020, 147, 244-260.	1.6	1
1522	The Contribution of Plasma and Brain Vitamin C on Age and Gender-Related Cognitive Differences: A Mini-Review of the Literature. Frontiers in Integrative Neuroscience, 2020, 14, 47.	1.0	18

#	Article	IF	Citations
1523	Effect of embedding a cognitive diagnosis into the adaptive dynamic assessment of spatial geometry learning. Interactive Learning Environments, 2023, 31, 890-907.	4.4	3
1524	Perception-Action Coupling in Usage of Telepresence Cameras. , 2020, , .		6
1525	Sex differences and brain development during puberty and adolescence. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 175, 25-54.	1.0	15
1526	Spatial skills. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 175, 65-79.	1.0	13
1527	Sex differences in cognition and aging and the influence of sex hormones. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 175, 103-115.	1.0	18
1528	Monitoring the Own Spatial Thinking in Second Grade of Primary Education in a Spanish School: Preliminary Study Analyzing Gender Differences. Education Sciences, 2020, 10, 237.	1.4	0
1529	The teachers ability and response concerning Spatial Orientation. Journal of Physics: Conference Series, 2020, 1460, 012013.	0.3	0
1530	An investigation of the role of spatial ability in representing and solving word problems among engineering students. Journal of Engineering Education, 2020, 109, 424-442.	1.9	23
1531	Gender differences in children's wayfinding. International Journal of Cartography, 2020, 6, 284-301.	0.2	1
1532	The Development of Spatial Representation Through Teaching Block-Building in Kindergartners. Frontiers in Psychology, 2020, 11, 565723.	1.1	2
1533	Influence of the stimulus material on gender differences in a mental-rotation test. Psychological Research, 2021, 85, 2892-2899.	1.0	11
1534	Learning My Way: A Pilot Study of Navigation Skills in Cerebral Palsy in Immersive Virtual Reality. Frontiers in Psychology, 2020, 11, 591296.	1.1	7
1535	Individual differences in visualization and childhood play preferences. Heliyon, 2020, 6, e03953.	1.4	0
1536	Unplugged Teaching Activities to Promote Computational Thinking Skills in Primary and Adults From a Gender Perspective. Revista Iberoamericana De Tecnologias Del Aprendizaje, 2020, 15, 225-232.	0.7	5
1537	The role of spatial intelligence in predicting web information searching behavior and performance of high school students. Library Hi Tech, 2020, 39, 48-63.	3.7	1
1538	Gender Differences Are Encoded Differently in the Structure and Function of the Human Brain Revealed by Multimodal MRI. Frontiers in Human Neuroscience, 2020, 14, 244.	1.0	28
1539	Mental Rotation Ability: Right or Left Hemisphere Competence? What We Can Learn from Callosotomized and Psychotic Patients. Symmetry, 2020, 12, 1137.	1.1	4
1540	Individual characteristics and geospatial reasoning ability: a multigroup analysis of age, culture, and gender. Journal of Decision Systems, 2020, , 1-23.	2.2	1

#	Article	IF	Citations
1541	Spatial Visualization in Construction Management Education: A Review and Validation of the Literature Using Professionals and Related Practitioners. International Journal of Construction Education and Research, 2022, 18, 17-31.	1.1	0
1542	An examination of the role of spatial ability in the process of problem solving in chemical engineering. Australasian Journal of Engineering Education, 2020, 25, 55-65.	0.2	5
1543	Spatial ability differences between students with a math learning disability and their other normal colleagues. Journal of Humanities and Applied Social Sciences, 2020, ahead-of-print, .	0.5	1
1544	Using Eye Tracking to Explore Differences between High and Low Map-Based Spatial Ability. Journal of Geography, 2020, 119, 215-225.	1.8	7
1545	Is Early Spatial Skills Training Effective? A Meta-Analysis. Frontiers in Psychology, 2020, 11, 1938.	1.1	34
1546	International Comparative Pilot Study of Spatial Skill Development in Engineering Students through Autonomous Augmented Reality-Based Training. Symmetry, 2020, 12, 1401.	1.1	21
1547	Minecraft: three-dimensional construction workshop for improvement of creativity. Technology, Pedagogy and Education, 2020, 29, 665-678.	3.3	5
1548	Visual Hand Recognition in Hand Laterality and Self-Other Discrimination Tasks: Relationships to Autistic Traits and Positive Body Image. Frontiers in Psychology, 2020, 11, 587080.	1.1	3
1549	Sports and mathematical abilities in primary school-aged children: How important are spatial abilities? An explorative study. Current Psychology, 2022, 41, 7132-7141.	1.7	4
1550	The influence of virtual reality on design process creativity in basic design studios. Interactive Learning Environments, 2023, 31, 1841-1859.	4.4	57
1551	Can augmented reality improve problem-solving and spatial skill?. Journal of Physics: Conference Series, 2020, 1581, 012063.	0.3	9
1552	Spatial Skills Associated With Block-Building Complexity in Preschoolers. Frontiers in Psychology, 2020, 11, 563493.	1.1	3
1553	Reliability of the Crossed-Hands Deficit in Tactile Temporal Order Judgements. Multisensory Research, 2020, 34, 387-421.	0.6	5
1554	Sex/Gender Differences in the Human Brain. , 2022, , 646-655.		1
1555	Is the key to better PISA math scores improving spatial skills?. Mathematics Education Research Journal, 2020, 32, 213-233.	0.9	21
1556	The occupational attractiveness of the built environment and the roles of individualism and collectivism: a hidden source of conflict and gender imbalance?. Construction Management and Economics, 2020, 38, 773-788.	1.8	2
1557	Sex differences in inductive reasoning: A research synthesis using meta-analytic techniques. Personality and Individual Differences, 2020, 164, 109959.	1.6	10
1558	Differential contributions of cognitive precursors to symbolic versus non-symbolic numeracy in young Chinese children. Early Childhood Research Quarterly, 2020, 53, 208-216.	1.6	21

#	Article	IF	Citations
1559	The development of mental rotation ability across the first year after birth. Advances in Child Development and Behavior, 2020, 58, 1-33.	0.7	6
1560	Development of spatial thinking abilities in engineering 3D modeling course aimed at lower secondary students. International Journal of Technology and Design Education, 2022, 32, 167-184.	1.7	10
1561	Hierarchical Development of Early Visual-Spatial Abilities â€“ A Taxonomy Based Assessment Using the MaGrid App. Frontiers in Psychology, 2020, 11, 871.	1.1	3
1562	Spatial Orientation Skill for Landscape Architecture Education and Professional Practice. Land, 2020, 9, 161.	1.2	6
1563	Measure of Spatial Orientation Ability. Imagination, Cognition and Personality, 2020, 39, 348-357.	0.5	6
1564	Think Spatially With Game Engine. ISPRS International Journal of Geo-Information, 2020, 9, 159.	1.4	11
1565	Gender Differences in Visuospatial Abilities and Complex Mathematical Problem Solving. Frontiers in Psychology, 2020, 11, 191.	1.1	6
1566	What does teaching of spatial visualisation skills incur: an exploration through the visualise-predict-check heuristic. Mathematics Education Research Journal, 2020, 32, 307-329.	0.9	9
1567	Is the Helmholtzâ€“Kohlrausch Effect More Robust in Women?. Perception, 2020, 49, 636-657.	0.5	2
1568	Evidence for a unitary structure of spatial cognition beyond general intelligence. Npj Science of Learning, 2020, 5, 9.	1.5	27
1569	Mental rotation and performance in basketball: effects of self-controlled and externally controlled time constraints on the processing and execution of tactic board instructions with varied orientations. German Journal of Exercise and Sport Research, 2020, 50, 354-365.	1.0	8
1570	The role of spatial, verbal, numerical, and general reasoning abilities in complex word problem solving for young female and male adults. Mathematics Education Research Journal, 2020, 32, 189-211.	0.9	19
1571	Spatially gifted, academically inconvenienced: Spatially talented students experience less academic engagement and more behavioural issues than other talented students. British Journal of Educational Psychology, 2020, 90, 1015-1038.	1.6	22
1572	Unpacking mathematical-spatial relations: Problem-solving in static and interactive tasks. Mathematics Education Research Journal, 2021, 33, 495-511.	0.9	6
1573	Knowledge of familiar environments: Assessing modalities and individual visuo-spatial factors. Journal of Environmental Psychology, 2020, 67, 101387.	2.3	8
1574	Timing of peripubertal steroid exposure predicts visuospatial cognition in men: Evidence from three samples. Hormones and Behavior, 2020, 121, 104712.	1.0	9
1575	Does spatial awareness training affect anatomy learning in medical students?. Anatomical Sciences Education, 2020, 13, 707-720.	2.5	23
1576	Mental rotation with abstract and embodied objects as stimuli: evidence from event-related potential (ERP). Experimental Brain Research, 2020, 238, 525-535.	0.7	13

#	Article	IF	Citations
1577	No Evidence for Enhancement of Spatial Ability with Elevated Prenatal Androgen Exposure in Congenital Adrenal Hyperplasia: A Meta-Analysis. Archives of Sexual Behavior, 2020, 49, 395-411.	1.2	17
1578	Examining the Effects of HMDs/FSDs and Gender Differences on Cognitive Processing Ability and User Experience of the Stroop Task-Embedded Virtual Reality Driving System (STEVRDS). IEEE Access, 2020, 8, 69566-69578.	2.6	10
1579	Cubes or Pellets in Mental-Rotation Tests: Effects on Gender Differences and on the Performance in a Subsequent Math Test. Behavioral Sciences (Basel, Switzerland), 2020, 10, 12.	1.0	5
1580	Linking spatial ability, spatial strategies, and spatial creativity: A step to clarify the fuzzy relationship between spatial ability and creativity. Thinking Skills and Creativity, 2020, 35, 100628.	1.9	23
1581	Teaching virtual apparel technology through industry collaboration: an assessment of pedagogical process and outcomes. International Journal of Fashion Design, Technology and Education, 2020, 13, 120-130.	0.9	11
1582	A Randomised Control Trial and Comparative Analysis of Multi-Dimensional Learning Tools in Anatomy. Scientific Reports, 2020, 10, 6120.	1.6	10
1583	Evaluating Spatial Thinking Ability Using Item Response Theory: Differential Item Functioning Across Math Learning Disabilities and Geometry Instructions. Learning Disability Quarterly, 2021, 44, 68-81.	0.9	5
1584	Gender stereotypes and incremental beliefs in STEM and non-STEM students in three countries: relationships with performance in cognitive tasks. Psychological Research, 2021, 85, 554-567.	1.0	40
1585	Team Combat Identification: Effects of Gender, Spatial Visualization, and Disagreement. Human Factors, 2021, 63, 684-695.	2.1	1
1586	The Mental Rotation Ability of Expert Basketball Players: Identifying On-Court Plays. Research Quarterly for Exercise and Sport, 2021, 92, 137-145.	0.8	8
1587	Analysis of the correlation between spatial cognitive abilities and wayfinding decisions in 3D digital environments. Behaviour and Information Technology, 2021, 40, 809-820.	2.5	0
1588	Correlating Spatial Ability With Anatomy Assessment Performance: A Metaâ€Analysis. Anatomical Sciences Education, 2021, 14, 317-329.	2.5	32
1589	Exploring Spatial Cognitive Process Among STEM Students and Its Role in STEM Education. Science and Education, 2021, 30, 121-145.	1.7	8
1590	Static internal representation of dynamic situations reveals time compaction in human cognition. Journal of Advanced Research, 2021, 28, 111-125.	4.4	8
1591	The importance of visuospatial abilities for verbal number skills in preschool: Adding spatial language to the equation. Journal of Experimental Child Psychology, 2021, 201, 104971.	0.7	13
1592	Use of colorâ€coded, threeâ€dimensionalâ€printed equine carpus models is preferred by students but does not result in statistically different academic performance. Veterinary Radiology and Ultrasound, 2021, 62, 76-83.	0.4	2
1593	The role of spatial abilities in young childrenâ€™s spatially-focused touchscreen game play. Cognitive Development, 2021, 57, 100970.	0.7	13
1594	Women hold up half the sky? Trade specialization patterns and work-related gender norms. Journal of International Economics, 2021, 128, 103407.	1.4	7

#	Article	IF	Citations
1595	â€œBuilding blocks and drawing figures is not the sameâ€• Neuropsychological bases of block design and Rey figure drawing in typically developing children. Child Neuropsychology, 2021, 27, 371-389.	0.8	4
1596	A novel method for reducing motion sickness susceptibility through training visuospatial ability â€“ A two-part study. Applied Ergonomics, 2021, 90, 103264.	1.7	18
1597	The practice of judo: how does it relate to different spatial abilities?. Spatial Cognition and Computation, 2021, 21, 67-88.	0.6	5
1598	Gender differences in mothersâ€™ spatial language use and childrenâ€™s mental rotation abilities in Preschool and Kindergarten. Developmental Science, 2021, 24, e13037.	1.3	8
1599	Gender differences in multitasking experience and performance. Quarterly Journal of Experimental Psychology, 2021, 74, 344-362.	0.6	12
1600	Developmental changes in visual search are determined by changing visuospatial abilities and task repetition: A longitudinal study in adolescents. Applied Neuropsychology: Child, 2021, 10, 133-143.	0.7	5
1601	Sex Differences in Spatial Activity and Anxiety Levels in the COVID-19 Pandemic from Evolutionary Perspective. Sustainability, 2021, 13, 1110.	1.6	7
1602	The Relationship Between Pre-Service Primary Education Mathematics Teachersâ€™ Spatial Visualization and Spatial Habits of Mind. Anadolu Journal of Educational Sciences International, 2021, 11, 268-286.	0.2	2
1603	Kindergartenersâ€™ spatial skills and their reading and math achievement in second grade. Early Childhood Research Quarterly, 2021, 57, 156-166.	1.6	7
1604	Sex Differences in Spatial Abilities. , 2021, , 7184-7187.		0
1605	Testosterone and the Brain: From Cognition to Autism. Physiological Research, 0, , S403-S419.	0.4	7
1606	The Role of Mediation in Development of Spatial and Math Abilities. Social Interaction in Learning and Development, 2021, , 483-516.	0.0	0
1607	Assessing the Relationship between Verbal and Nonverbal Cognitive Abilities Using Resting-State EEG Functional Connectivity. Brain Sciences, 2021, 11, 94.	1.1	1
1608	Female excellence in rock climbing likely has an evolutionary origin. Current Research in Physiology, 2021, 4, 39-46.	0.8	0
1609	Loss of Î±7 nicotinic acetylcholine receptors in GABAergic neurons causes sex-dependent decreases in radial glia-like cell quantity and impairments in cognitive and social behavior. Brain Structure and Function, 2021, 226, 365-379.	1.2	10
1610	Visualizing Student Navigation of Geologic Block Diagrams. , 2021, , 295-308.		0
1611	Interest in spatial activities predicts young childrenâ€™s spatial ability development: A two-year longitudinal study. Contemporary Educational Psychology, 2021, 64, 101943.	1.6	3
1612	Gendered movement ecology and landscape use in Hadza hunter-gatherers. Nature Human Behaviour, 2021, 5, 436-446.	6.2	35

#	Article	IF	Citations
1613	Reklam Ã‡ekiciliÄŸinin ve Reklam Stratejilerinin FarklÄ± Cinsiyetlerde YarattÄ±ÄŸÄ± AlgÄ±nÄ±n Dezenfektan ReklamlarÄ± Ãœzerinden DeÄŸerlendirilmesi. OPUS Uluslararas Ä± Toplum AraÅŸtÄ±rmalarÄ± Dergisi, 2021, 17, 1275-1305.	0.3	1
1614	Application in Augmented Reality for Learning Mathematical Functions: A Study for the Development of Spatial Intelligence in Secondary Education Students. Mathematics, 2021, 9, 369.	1.1	25
1615	Spatial Abilities for Architecture: Cross Sectional and Longitudinal Assessment With Novel and Existing Spatial Ability Tests. Frontiers in Psychology, 2020, 11, 609363.	1.1	10
1616	Reimagining Mathematics: The Role of Mental Imagery in Explaining Mathematical Calculation Skills in Childhood. Mind, Brain, and Education, 2021, 15, 189-198.	0.9	6
1617	Spatial Skills and Perceptions of Space: Representing 2D Drawings as 3D Drawings inside Immersive Virtual Reality. Applied Sciences (Switzerland), 2021, 11, 1475.	1.3	21
1618	Technology enhanced learning environments and the potential for enhancing spatial reasoning: a mixed methods study. Mathematics Education Research Journal, 2022, 34, 887-910.	0.9	16
1619	Who Are Virtual Reality Headset Owners? A Survey and Comparison of Headset Owners and Non-Owners. , 2021, , .		20
1620	Eâ€Learning Threeâ€Dimensional Anatomy of the Brainstem: Impact of Different Microscopy Techniques and Spatial Ability. Anatomical Sciences Education, 2022, 15, 317-329.	2.5	3
1621	Factors Related to the Performance of Elite Young Sailors in a Regatta: Spatial Orientation, Age and Experience. International Journal of Environmental Research and Public Health, 2021, 18, 2913.	1.2	4
1622	Cultural Change Reduces Gender Differences in Mobility and Spatial Ability among Seminomadic Pastoralist-Forager Children in Northern Namibia. Human Nature, 2021, 32, 178-206.	0.8	12
1623	Directionality eclipses agency: How both directional and social cues improve spatial perspective taking. Psychonomic Bulletin and Review, 2021, 28, 1289-1300.	1.4	5
1624	Fostering Spatial Ability Through Computer-Aided Design: a Case Study. Digital Experiences in Mathematics Education, 2021, 7, 323-336.	1.0	8
1625	Spatial Ability in Children with Mathematics Learning Disorder (MLD) and Its Impact on Executive Functions. Developmental Neuropsychology, 2021, 46, 232-248.	1.0	5
1626	A Study on the Comparison of Geometrical-Mechanical Intelligence Games Activities that are Conducted with Concrete Materials and in Computer Environment. Participatory Educational Research, 2021, 8, 220-239.	0.4	3
1627	Exploration vs. limitation â€“ An investigation of instructional design techniques for spatial ability training on mobile devices. Computers in Human Behavior, 2021, 118, 106678.	5.1	0
1628	The effect of stereotype threat on femalesâ€™ spatial perspective taking and the mediating role of executive functions. Current Psychology, 0, , 1.	1.7	3
1629	The developmental trajectories of spatial skills in middle childhood. British Journal of Developmental Psychology, 2021, 39, 566-583.	0.9	8
1630	Veterinary Anatomy Education and Spatial Ability: Where Now and Where Next?. Journal of Veterinary Medical Education, 2022, 49, 297-305.	0.4	1

#	Article	IF	Citations
1631	Developing and Validating a Computer-Based Training Tool for Inferring 2D Cross-Sections of Complex 3D Structures. Human Factors, 2021, , 001872082110181.	2.1	2
1632	Developmental Trajectories in Spatial Visualization and Mental Rotation in Individuals with Down Syndrome. Brain Sciences, 2021, 11, 610.	1.1	6
1633	Motor affordance or gender-stereotyped nature of physical activity â€“ what is more important for the mental rotation performance of female athletes?. Journal of Cognitive Psychology, 2021, 33, 568-580.	0.4	2
1634	Experimenters' Influence on Mental-Imagery based Brain-Computer Interface User Training. International Journal of Human Computer Studies, 2021, 149, 102603.	3.7	26
1635	Enhancing engineering drawing skills via fostering mental rotation processes. European Journal of Engineering Education, 2021, 46, 796-812.	1.5	5
1636	Spatial and attentional aftereffects of virtual reality and relations to cybersickness. Virtual Reality, 2022, 26, 659-668.	4.1	14
1637	Minecraft as a block building approach for developing spatial skills. Entertainment Computing, 2021, 38, 100427.	1.8	13
1638	Gender differences in research performance within and between countries: Italy vs Norway. Journal of Informetrics, 2021, 15, 101144.	1.4	32
1639	Robot programming intervention for promoting spatial relations, mental rotation and visual memory of kindergarten children. Journal of Research on Technology in Education, 2022, 54, 345-358.	4.0	9
1640	Effects of antiseizure monotherapy on visuospatial memory in pediatric age. European Journal of Paediatric Neurology, 2021, 32, 106-114.	0.7	5
1641	Evaluating distance perception for architecture design alternatives in immersive virtual environment: a comparative study. Construction Innovation, 2022, 22, 205-221.	1.5	1
1642	Dump the â€œdimorphismâ€• Comprehensive synthesis of human brain studies reveals few male-female differences beyond size. Neuroscience and Biobehavioral Reviews, 2021, 125, 667-697.	2.9	180
1643	Support for using a threeâ€dimensional anatomy application over anatomical atlases in a randomized comparison. Anatomical Sciences Education, 2022, 15, 178-186.	2.5	4
1644	An examination of gender differences in spatial skills and math attitudes in relation to mathematics success: A bio-psycho-social model. Developmental Review, 2021, 60, 100963.	2.6	21
1645	Androgen deprivation therapy and cognitive declineâ€”associations with brain connectomes, endocrine status, and risk genotypes. Prostate Cancer and Prostatic Diseases, 2022, 25, 208-218.	2.0	6
1646	Autism spectrum disorder: An examination of sex differences in neuropsychological and self-report measures of executive and non-executive cognitive function. Autism, 2021, 25, 2223-2237.	2.4	9
1647	The role of visuospatial abilities and the level of expertise in memorising soccer animations. International Journal of Sport and Exercise Psychology, 0, , 1-16.	1.1	3
1648	Smartphones and the Neuroscience of Mental Health. Annual Review of Neuroscience, 2021, 44, 129-151.	5.0	43

#	Article	IF	Citations
1649	Role of manually-generated visual cues in crawling and non-crawling 9-month-old infantsâ€™ mental rotation. Cognitive Development, 2021, 59, 101053.	0.7	3
1650	Beyond inhibitory control: Relationship between spatial and social skills in preschool children. Cognitive Development, 2021, 59, 101084.	0.7	1
1651	Developing Spatial Skills through Mental Rotation Activities. The Mathematics Teacher, 2021, 114, 536-544.	0.1	0
1652	Can (perceived) mental-rotation performance mediate gender differences in math anxiety in adolescents and young adults?. Mathematics Education Research Journal, 2023, 35, 255-279.	0.9	7
1653	Validation of the French version of the Object Spatial Imagery and Verbal Questionnaire. Revue Europeenne De Psychologie Appliquee, 2021, 71, 100687.	0.4	2
1654	The study of visuospatial abilities in trainees: A scoping review and proposed model. Surgery Open Science, 2021, 5, 25-33.	0.5	4
1655	Haptic-enabled collaborative learning in virtual reality for schools. Education and Information Technologies, 2022, 27, 937-960.	3.5	13
1656	Effect of Time Constraint in Exploring Spatial Differences With Balanced Allocation of Performance Factors in a Redrawn Mental Rotation Test. Frontiers in Education, 2021, 6, .	1.2	0
1657	The effect of mindfulness and stereotype threat in mental rotation: a pupillometry study. Journal of Cognitive Psychology, 2021, 33, 861-876.	0.4	2
1658	Intelligence Beliefs Predict Spatial Performance in Virtual Environments and Graphical Creativity Performance. Frontiers in Psychology, 2021, 12, 671635.	1.1	1
1659	Visual-spatial skills contribute to Chinese reading and arithmetic for different reasons: A three-wave longitudinal study. Journal of Experimental Child Psychology, 2021, 208, 105142.	0.7	15
1660	Pupillometry as a measure of cognitive load in mental rotation tasks with abstract and embodied figures. Psychological Research, 2022, 86, 1382-1396.	1.0	5
1661	ORTAOKUL Ã–ÄžRENCÄ°LERÄ°NÄ°N Ä°KÄ° VE ÃœÃ‡ BOYUTLU UZAMSAL GÃ–RSELLEÅžTÄ°RME BECERÄ°LERÄ°NÄ°N Ä°NCELENMESÄ° Egitim, 2021, 50, 427-448.	0.1	0
1662	Design and Development of an Educational Game for Facilitating Spatial Ability and Mathematics Learning. , 2021, , .		2
1663	Talent development in natural science in elementary school: A juxtaposition of research and practice. Teaching and Teacher Education, 2021, 104, 103366.	1.6	3
1664	Empathy Quotient and Systemizing Quotient in Elementary School Children with and without Attention-Deficit/Hyperactivity Disorder: A Comparative Study. International Journal of Environmental Research and Public Health, 2021, 18, 9231.	1.2	5
1665	The association of basic numerical abilities and math achievement: The mediating role of visuospatial and arithmetical abilities. Quarterly Journal of Experimental Psychology, 2022, 75, 841-853.	0.6	1
1666	Spatial Learning in a Virtual Environment: The Role of Self-Efficacy Feedback and Individual Visuospatial Factors. Brain Sciences, 2021, 11, 1185.	1.1	4

#	Article	IF	Citations
1667	Student perspectives of the spatial thinking components embedded in a topographic map activity using an augmented-reality sandbox. Journal of Geoscience Education, 2022, 70, 13-24.	0.8	3
1668	An Augmented Reality Learning Toolkit for Fostering Spatial Ability in Mathematics Lesson: Design and Development. European Journal of Science and Mathematics Education, 2021, 9, 145-167.	0.5	9
1669	Enhancing spatial skills through mechanical problem solving. Learning and Instruction, 2021, 75, 101496.	1.9	4
1670	Estradiol effects on spatial memory in women. Behavioural Brain Research, 2022, 417, 113592.	1.2	14
1671	â€œBold Problem Solvingâ€• A New Construct for Understanding Gender Differences in Mathematics. Journal for Research in Mathematics Education, 2021, 52, 12-61.	1.0	13
1673	Female Participation in the Study of Mathematics: The US Situation. , 1996, , 285-296.		1
1674	Functional Neuroanatomy of Mental Rotation Performance. , 2007, , 183-207.		6
1675	Text and Picture Integration in Comprehending and Memorizing Spatial Descriptions. , 2008, , 43-59.		6
1676	Emotional Intelligence and Gender: A Neurophysiological Perspective. Plenum Series on Human Exceptionality, 2010, , 109-126.	2.0	8
1677	On Tending to Our Scientific Knitting: Thinking About Gender in the Context of Evolution. , 2010, , 259-274.		5
1678	Gender and Academic Abilities and Preferences. , 2010, , 297-316.		10
1679	Gender, Spatial Abilities, and Wayfinding. , 2010, , 317-341.		67
1680	Gender and Occupational Choice. , 2010, , 379-400.		32
1681	Dyslexia and Visual Spatial Talents: Are they Connected?. Neuropsychology and Cognition, 2004, , 95-117.	0.6	11
1682	Cognitive Performance and the Menstrual Cycle. Contributions To Psychology and Medicine, 1992, , 39-66.	0.6	23
1683	Individual Differences in Different Level Mental Rotation Tasks: An Eye Movement Study. , 2012, , 231-243.		1
1684	Individual Differences in Object Versus Spatial Imagery: From Neural Correlates to Real-World Applications. , 2013, , 299-318.		11
1686	Neuroanatomical Bases of Hemispheric Functional Specialization in the Human Brain: Developmental Factors. , 1992, , 112-137.		9

#	Article	IF	Citations
1687	Overview of Visuospatial Processing for Education in Health and Natural Sciences. , 2019, , 1-21.		4
1688	Sex Differences in Visuospatial Processing. , 2019, , 81-110.		19
1689	Neurobiology of Pediatric Gender Identity. , 2020, , 47-62.		2
1690	Training Spatial Skills with Virtual Reality and Augmented Reality. , 2018, , 1-9.		5
1691	Pellet Figures, the Feminine Answer to Cube Figures? Influence of Stimulus Features and Rotational Axis on the Mental-Rotation Performance of Fourth-Grade Boys and Girls. Lecture Notes in Computer Science, 2014, , 370-382.	1.0	8
1692	Environment Learning from Spatial Descriptions: The Role of Perspective and Spatial Abilities in Young and Older Adults. Lecture Notes in Computer Science, 2014, , 30-45.	1.0	6
1694	Gender Differences in Spatial Ability: Implications for STEM Education and Approaches to Reducing the Gender Gap for Parents and Educators. , 2017, , 195-224.		49
1695	Spatial Ability: Measurement and Development. , 2017, , 35-58.		13
1696	The Improvement of Spatial Ability and its Relation to Spatial Training. , 2017, , 143-172.		5
1697	Making Computer Science Attractive to High School Girls with Computational Thinking Approaches: A Case Study. , 2017, , 21-32.		8
1698	Cognitive Aspects of Interpretation of Image Data. Studies in Systems, Decision and Control, 2017, , 161-175.	0.8	1
1699	Improving Spatial Reasoning by Interacting with a Humanoid Robot. Smart Innovation, Systems and Technologies, 2018, , 151-160.	0.5	2
1700	From Acorns to Oak Trees: Charting Innovation Within Technology in Mathematics Education. Mathematics Education in the Digital Era, 2017, , 9-35.	0.2	3
1701	Physical Touch-Based Rotation Processes of Primary School Students. Lecture Notes in Computer Science, 2017, , 19-37.	1.0	1
1702	Sex Differences in Health and Survival. , 2018, , 65-100.		20
1703	Development of Spatial Ability: Results from the Research Project GeodiKon. ICME-13 Monographs, 2018, , 215-230.	1.0	2
1704	A Dissociation Between Two Classes ofÂSpatial Abilities in Elementary School Children. Lecture Notes in Computer Science, 2018, , 228-243.	1.0	1
1705	What Processes Underlie the Relation Between Spatial Skill and Mathematics?. Research in Mathematics Education, 2018, , 117-148.	0.1	7

#	Article	IF	Citations
1706	Neuropsychologie. , 2010, , 69-85.		5
1707	Spatial Cues in 3D Visualization. Lecture Notes in Computer Science, 2005, , 104-128.	1.0	5
1708	A Study on how Humans Describe Relative Positions of Image Objects. Lecture Notes in Geoinformation and Cartography, 2008, , 1-18.	0.5	6
1709	Kognitive Geschlechtsunterschiede. , 2007, , 105-123.		8
1710	How Do Adults Solve Digital Tangram Problems? Analyzing Cognitive Strategies Through Eye Tracking Approach. Lecture Notes in Computer Science, 2007, , 555-563.	1.0	5
1711	Locating Oneself on a Map in Relation to Person Qualities and Map Characteristics. Lecture Notes in Computer Science, 2008, , 171-187.	1.0	15
1712	From Resource-Adaptive Navigation Assistance to Augmented Cognition. Cognitive Technologies, 2010, , 35-53.	0.5	2
1713	Spatial Tasks on a Large, High-Resolution Tiled Display: Females Mentally Rotate Large Objects Faster Than Men. Lecture Notes in Computer Science, 2009, , 233-242.	1.0	3
1714	The Mental Representation Derived from Spatial Descriptions is North-Up Oriented: The Role of Visuo-spatial Abilities. Lecture Notes in Computer Science, 2012, , 262-278.	1.0	4
1715	Temporal Integration of the Brain as Studied with the Metronome Paradigm. , 1997, , 121-131.		11
1716	Lexical Variation in Learnersâ€™ Responses to Cue Words: The Effect of Gender. Educational Linguistics, 2014, , 69-81.	0.6	5
1717	The Revised Inventory of Learning Processes: A Multifaceted Perspective on Individual Differences in Learning. , 1996, , 283-317.		8
1718	Organizational Efffects of Gonadal Hormones Induce Qualitative Differences in Visuospatial Navigation. , 1993, , 175-189.		11
1719	How and Why Sex Differences Evolve, with Spatial Ability as a Paradigm Example. , 1993, , 111-130.		7
1720	Thinking About Spatial Thinking: New Typology, New Assessments. , 2015, , 179-192.		151
1721	Challenges in Defining and Validating an Astronomy Learning Progression. , 2012, , 77-100.		10
1723	Womenâ€™s Aspirations Towards â€œSTEMâ€•Careers. , 2013, , 175-191.		5
1725	Sex Differences in Performance: Fact, Fiction or Fantasy?. , 1992, , 63-94.		2

#	Article	IF	Citations
1729	RÃumlich-kognitive FÃhigkeiten von Kindern mit Spina bifida. Zeitschrift FÃ¼r Neuropsychologie = Journal of Neuropsychologie, 2006, 17, 149-154.	0.2	4
1733	Construct Your Own Response. European Journal of Psychological Assessment, 2018, 34, 304-311.	1.7	8
1734	Sex Differences on the German Wechsler Intelligence Test for Children (WISC-IV). Journal of Individual Differences, 2010, 31, 22-28.	0.5	28
1735	Effects of Age and Sex in Mental Rotation and Spatial Learning from Virtual Environments. Journal of Individual Differences, 2010, 31, 78-82.	0.5	15
1736	The Neural Network of Spatial Cognition and its Modulation by Biological and Environmental Factors. Journal of Individual Differences, 2010, 31, 83-90.	0.5	8
1737	The Solution Strategy as an Indicator of the Developmental Stage of Preschool Childrenâ€™s Mental-Rotation Ability. Journal of Individual Differences, 2010, 31, 95-100.	0.5	30
1738	Pairwise Presentation of Cube Figures Does Not Reduce Gender Differences in Mental Rotation Performance. Journal of Individual Differences, 2010, 31, 101-105.	0.5	12
1739	The Use of the Vandenberg and Kuse Mental Rotation Test in Children. Journal of Individual Differences, 2012, 33, 62-67.	0.5	44
1740	Enhancing Spatial Ability Through Sport Practice. Journal of Individual Differences, 2012, 33, 83-88.	0.5	91
1741	Spatial Visualization Ability Mediates the Male Advantage in Spatial and Visual Episodic Memory. Journal of Individual Differences, 2016, 37, 194-200.	0.5	2
1742	The Role of Visuospatial Ability in the Ravenâ€™s Progressive Matrices. Journal of Individual Differences, 2017, 38, 241-255.	0.5	15
1743	A Threat in the Classroom. Zeitschrift Fur Psychologie / Journal of Psychology, 2012, 220, 61-69.	0.7	40
1744	Gender Stereotyping Enhances Verbal Fluency Performance in Men (and Women). Zeitschrift Fur Psychologie / Journal of Psychology, 2012, 220, 70-77.	0.7	19
1745	What Accounts for Individual and Gender Differences in the Multi-Digit Number Processing of Primary School Children?. Zeitschrift Fur Psychologie / Journal of Psychology, 2012, 220, 78-89.	0.7	18
1746	Sex Differences in Competition-Based Attentional Selection. Zeitschrift Fur Psychologie / Journal of Psychology, 2012, 220, 90-97.	0.7	5
1747	Female and male: issues of gender. American Psychologist, 1989, 44, 127-33.	3.8	61
1748	Mediators of gender differences in mathematics college entrance test scores: a comparison of spatial skills with internalized beliefs and anxieties. Developmental Psychology, 1997, 33, 669-80.	1.2	62
1749	Early sex differences in spatial skill. Developmental Psychology, 1999, 35, 940-9.	1.2	124

#	Article	IF	Citations
1751	Updating displays after imagined object and viewer rotations. Journal of Experimental Psychology: Learning Memory and Cognition, 2000, 26, 151-68.	0.7	78
1752	Sex differences in learning and memory in mice: effects of sequence of testing and cholinergic blockade. Behavioral Neuroscience, 1995, 109, 859-73.	0.6	71
1753	Ontogeny of place learning in children as measured in the radial arm maze, Morris search task, and open field task. Behavioral Neuroscience, 1996, 110, 1205-28.	0.6	76
1754	A large sex difference on a two-dimensional mental rotation task. Behavioral Neuroscience, 1997, 111, 845-9.	0.6	94
1755	Sex hormones affect spatial abilities during the menstrual cycle. Behavioral Neuroscience, 2000, 114, 1245-50.	0.6	111
1756	Changing predictors of map use in wayfinding.. Developmental Psychology, 1990, 26, 188-193.	1.2	18
1759	Taking Science Seriously: Straight Thinking About Spatial Sex Differences.. , 0, , 69-77.		25
1760	Do Sex Differences in Cognition Cause the Shortage of Women in Science?. , 0, , 101-112.		8
1761	Women in Science: Gender Similarities in Abilities and Sociocultural Forces.. , 0, , 131-145.		16
1762	Spatial abilities across the adult life span.. Developmental Psychology, 2014, 50, 384-392.	1.2	49
1763	Visual-spatial thinking in geometry and the visual arts.. Psychology of Aesthetics, Creativity, and the Arts, 2016, 10, 56-71.	1.0	18
1764	The development of gender differences in spatial reasoning: A meta-analytic review.. Psychological Bulletin, 2019, 145, 537-565.	5.5	123
1765	Type of items and the magnitude of gender differences on the Mental Rotations Test.. Canadian Journal of Experimental Psychology, 2006, 60, 91-100.	0.7	69
1766	Relations between spatial skills and math performance in elementary school children: A longitudinal investigation.. Developmental Psychology, 2019, 55, 637-652.	1.2	40
1767	Three-year-oldsâ€™ spatial language comprehension and links with mathematics and spatial performance.. Developmental Psychology, 2020, 56, 1894-1905.	1.2	18
1768	Development of an itemwise efficiency scoring method: Concurrent, convergent, discriminant, and neuroimaging-based predictive validity assessed in a large community sample.. Psychological Assessment, 2016, 28, 1529-1542.	1.2	7
1769	Sex Differences in the Usage of Spatial Metaphors: a Case Study of Political Language. , 2009, , 166-183.		19
1770	Gender and Motivation in EFL Vocabulary Production. , 2010, , 93-116.		13

#	Article	IF	Citations
1771	Strategies of processing spatial information in survey and landmark-centred individuals. , 0, .		31
1773	Spatial thinking in astronomy education research. Physical Review Physics Education Research, 2018, 14, .	1.4	26
1774	Gender and geoscience specialization as a function of object and spatial visualization skills. , 2012, , .		1
1775	"Transport Me Away": Fostering Flow in Open Offices through Virtual Reality. , 2020, , .		30
1776	A CS1 Spatial Skills Intervention and the Impact on Introductory Programming Abilities. , 2020, , .		23
1777	Gender Differences in Perceptions of Technology, Technology Readiness, and Spatial Cognition. Proceedings of the Human Factors and Ergonomics Society, 2020, 64, 1395-1399.	0.2	4
1778	Gender, affect, and math: a cross-national meta-analysis of Trends in International Mathematics and Science Study 2015 outcomes. Large-Scale Assessments in Education, 2019, 7, .	0.8	18
1779	Situating space: using a discipline-focused lens to examine spatial thinking skills. Cognitive Research: Principles and Implications, 2020, 5, 19.	1.1	29
1780	Childhood wayfinding experience explains sex and individual differences in adult wayfinding strategy and anxiety. Cognitive Research: Principles and Implications, 2020, 5, 12.	1.1	15
1781	Spatial anxiety mediates the sex difference in adult mental rotation test performance. Cognitive Research: Principles and Implications, 2020, 5, 31.	1.1	18
1783	Impact of Maternal Attitudes, Girls' Adjustment, and Cognitive Skills Upon Academic Performance in Middle and High School. Journal of Research on Adolescence, 1992, 2, 81-102.	1.9	14
1785	Sexually Dimorphic Spatial Learning in Meadow Voles Microtus Pennsylvanicus and Deer Mice Peromyscus Maniculatus. Journal of Experimental Biology, 1996, 199, 195-200.	0.8	161
1786	A Study on the Spatial Abilities of Prospective Social Studies Teachers: A Mixed Method Research. Educational Sciences: Theory and Practice, 0, , .	2.6	4
1787	Virtual Learning Environments to Enhance Spatial Orientation. Eurasia Journal of Mathematics, Science and Technology Education, 2017, 14, .	0.7	25
1788	Training Spatial Skills in Geosciences. , 0, , 7-23.		10
1789	Age-related changes in hand dominance and functional asymmetry in older adults. PLoS ONE, 2017, 12, e0177845.	1.1	26
1790	Empathizing-systemizing cognitive styles: Effects of sex and academic degree. PLoS ONE, 2018, 13, e0194515.	1.1	22
1791	Male-typical visuospatial functioning in gynephilic girls with gender dysphoria â€" organizational and activational effects of testosterone. Journal of Psychiatry and Neuroscience, 2016, 41, 395-404.	1.4	33

#	Article	IF	Citations
1792	The role of visuospatial abilities in memorizing animations among soccer players. Journal of Imagery Research in Sport and Physical Activity, 2020, 15, .	1.1	4
1793	Exploring Bebras Tasks Content and Performance: A Multinational Study. Informatics in Education, 2017, 16, 39-59.	1.8	28
1794	The Effects of Augmented Reality on Elementary School Studentsâ€™ Spatial Ability and Academic Achievement. Egitim Ve Bilim, 0, , .	0.1	18
1795	Sex Differences in Two- and Three-Dimensional Visual-Spatial Abilities: Complementary Models of What and Where Judgments. Journal of Evolutionary Psychology, 2003, 1, 53-71.	0.3	3
1796	The Influence of Gender, Sports Type and Training Experience on Cognitive Functions in Adolescent Athletes. Exercise Science, 2017, 26, 159-167.	0.1	8
1797	Mental rotation: The effects of processing strategy, gender and task characteristics on children's accuracy, reaction time and eye movementsâ€™ pattern. Journal of Eye Movement Research, 2019, 12, .	0.5	2
1798	The Effects of Dynamic Geometry Software and Physical Manipulatives on Pre-Service Primary Teachersâ€™ Van Hiele Levels and Spatial Abilities. Turkish Journal of Computer and Mathematics Education, 2015, 6, 338.	0.4	13
1799	Effects of Teaching Activities via Google Sketchup and Concrete Models on Spatial Skills of Preservice Mathematics Teachers. Turkish Journal of Computer and Mathematics Education, 2016, 7, 510-510.	0.4	13
1800	Estilo de procesamiento de informaciÃ³n utilizado por el alumnado de bachillerato | | Information processing style used by Compulsory Secondary Education students. Revista De Estudios E InvestigaciÃ³n En PsicologÃa Y EducaciÃ³n, 2016, 3, 81-86.	0.1	1
1801	Geometrik-Mekanik Oyunlar Temelli Etkinliklerin Ortaokul Ã–ÄŸrencilerinin Uzamsal DÃ¼ÅŸÃ¼nebilme Becerilerine Etkisi. Sakarya University Journal of Education, 0, , 600-610.	0.5	16
1802	Improving Geometric and Trigonometric Knowledge and Skill for High School Mathematics Teachers:A Professional Development Partnership. The Journal of Technology Studies, 2010, 36, .	0.7	5
1803	The Relationships of Spatial Experience, Previous Mathematics Achievement, and Gender with Perceived Ability in Learning Engineering Drawing. Journal of Technology Education, 2007, 18, .	0.7	10
1804	Infraestructuras de datos espaciales: desarrollo de habilidades espaciales en el entorno del Espacio Europeo de EducaciÃ³n Superior. Boletin De La Asociacion De Geografos Espanoles, 2012, , .	0.2	2
1806	Combining Graph and Machine Learning Methods to Analyze Differences in Functional Connectivity Across Sex. Open Neuroimaging Journal, 2012, 6, 1-9.	0.2	30
1807	GENDER DIFFERENTIAL ITEM FUNCTIONING IN SLOVAK VERSION OF INTELLIGENCE STRUCTURE TEST 2000 - REVISED. Studia Psychologica, 2016, 58, 238-250.	0.3	4
1808	Individual Differences in Performance on Working Memory Tasks According to Object, Spatial, and Verbal Cognitive Styles. Korean Journal of Cognitive and Biological Psychology, 2013, 25, 539-563.	0.0	4
1809	Symbolic distance: Unfamiliar versus familiar space. Psihologija, 2007, 40, 93-110.	0.2	2
1810	IMAGERY AND PERCEPTUAL BASIS OF MATCHING TASKS IN YOUNG CHILDREN. Perceptual and Motor Skills, 2008, 107, 419.	0.6	3

#	Article	IF	Citations
1811	MAPPING OUT SPATIAL ABILITY: SEX DIFFERENCES IN WAY-FINDING NAVIGATION. Perceptual and Motor Skills, 2008, 107, 747.	0.6	7
1812	SEX DIFFERENCES AND THE ROLE OF FIGURAL COMPLEXITY IN DETERMINING THE RATE OF MENTAL ROTATION. Perceptual and Motor Skills, 1990, 70, 467.	0.6	7
1813	MEAN DIFFERENCES AMONG SUBCOMPONENTS OF VANDENBERG'S MENTAL ROTATION TEST. Perceptual and Motor Skills, 1997, 85, 323.	0.6	1
1814	WRITING CHINESE CHARACTERS AND SUCCESS ON MENTAL ROTATION TEST. Perceptual and Motor Skills, 1999, 88, 1261.	0.6	4
1815	COLLEGE STUDENTS' PERFORMANCE ON ASSOCIATED, CORRESPONDING TASKS FOR HORIZONTALITY. Perceptual and Motor Skills, 2000, 90, 1071.	0.6	1
1816	SEX DIFFERENCES ON A COMPUTERIZED MENTAL ROTATION TASK DISAPPEAR WITH COMPUTER FAMILIARIZATION. Perceptual and Motor Skills, 2000, 91, 1027.	0.6	5
1817	RIGHT-LEFT DISCRIMINATION IN YOUNGER AND OLDER CHILDREN MEASURED WITH TWO TESTS CONTAINING STIMULI ON DIFFERENT ABSTRACTION LEVELS. Perceptual and Motor Skills, 2002, 94, 707.	0.6	2
1818	SPATIAL TASK PERFORMANCE, SEX DIFFERENCES, AND MOTION SICKNESS SUSCEPTIBILITY. Perceptual and Motor Skills, 2002, 95, 425.	0.6	5
1819	ROLE OF STRATEGIES AND PRIOR EXPOSURE IN MENTAL ROTATION. Perceptual and Motor Skills, 2004, 98, 1269.	0.6	10
1820	SAILING EXPERIENCE AND SEX AS CORRELATES OF SPATIAL ABILITY. Perceptual and Motor Skills, 2004, 98, 1409.	0.6	6
1821	Give the girls a chance: should spatial skills training be incorporated into the curriculum?. WIT Transactions on Information and Communication Technologies, 2006, , .	0.0	3
1822	Pre-service Teachers Use of Visual Representation. International Electronic Journal of Elementary Education, 2018, 11, 49-54.	0.6	3
1823	The Effect of Van Hiele Learning Model on Studentsâ€™ Spatial Abilities. International Journal of Instruction, 2020, 13, 461-474.	0.6	9
1824	Un anÃ¡lisis de la capacidad espacial en estudios de ingenierÃa tÃ©cnica . Pna, 2015, 9, 85-106.	0.6	4
1826	The Dissociation of Egocentric and Allocentric Mental Rotation through an In-Rotation Effect. Acta Psychologica Sinica, 2008, 40, 14-24.	0.4	1
1827	Sex Differences in Cognitive Functions. Acta Psychologica Sinica, 2009, 41, 1081-1090.	0.4	16
1828	La cognition spatiale pour repenser les aides Ã la navigation. Annee Psychologique, 2019, Vol. 119, 243-278.	0.2	8
1829	Ã‰mergence, perspective et mise Ã l'Ã©preuve contemporaine du constructivisme sexuÃ©. Connexions, 2009, nÂ° 90, 57-75.	0.0	7

#	Article	IF	Citations
1830	Impact of Spatial Ability Training in Desktop Virtual Environment. , 0, , 180-189.		2
1831	Gender Differences in Interface Type Task Analysis. International Journal of Information Systems and Social Change, 2012, 3, 1-23.	0.1	5
1832	Mental Rotation Test Performance of Chinese Male and Female University Students. Chinese Studies, 2014, 03, 41-46.	0.1	2
1833	Examination of Sexually Dimorphic Behavior on the Novel-Image Novel-Location Recognition Memory Test. Journal of Behavioral and Brain Science, 2011, 01, 134-139.	0.2	2
1834	Body analogy and sex differences in mental rotation. Shinrigaku Kenkyu, 2017, 88, 452-459.	0.1	3
1835	ANALYSIS OF VISUAL INTERPRETATION OF SATELLITE DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B2, 675-681.	0.2	14
1836	A New Set of Three-Dimensional Shapes for Investigating Mental Rotation Processes: Validation Data and Stimulus Set. , 2015, 3, .		59
1837	Gender Differences in the Rotation of City Maps. American Journal of Psychology, 2019, 132, 303-514.	0.5	4
1838	Age and Sex Differences in Verbal and Visuospatial Abilities. Advances in Cognitive Psychology, 2018, 14, 51-61.	0.2	38
1839	Are Differences Between Men and Women in Rotated Pattern Recognition Due to the Use of Different Cognitive Strategies?. Europe's Journal of Psychology, 2013, 9, 607-622.	0.6	4
1840	How do different aspects of spatial skills relate to early arithmetic and number line estimation?. Journal of Numerical Cognition, 2017, 3, 309-343.	0.6	13
1841	Spatial anxiety: A novel questionnaire with subscales for measuring three aspects of spatial anxiety. Journal of Numerical Cognition, 2018, 4, 526-553.	0.6	33
1842	Spatial skills first: The importance of mental rotation for arithmetic skill acquisition. Journal of Numerical Cognition, 2019, 5, 5-23.	0.6	5
1843	Developing Third Grade Boys and Girls' Spatial Ability by Means of an Extra-Curricular Teaching Unit. Research in Mathematical Education, 2013, 17, 99-118.	0.2	3
1844	Spatial Metaphors in Temporal Reasoning. , 2001, , 203-222.		23
1845	Reliability and validity of neurobehavioral function on the Psychology Experimental Building Language test battery in young adults. PeerJ, 2015, 3, e1460.	0.9	53
1846	The effects of visual realism and visuospatial abilities on memorizing soccer tactics. Journal of Imagery Research in Sport and Physical Activity, 2021, 16, .	1.1	2
1847	Bereiche der Entwicklung â€“ die Facetten des Kindes. , 2021, , 59-172.		0

#	Article	IF	Citations
1848	Unpacking The Relation Between Spatial Abilities and Creativity in Geometry. The European Educational Researcher, 2021, 4, 307-328.	0.2	1
1849	Cortical Activation in Mental Rotation and the Role of the Corpus Callosum: Observations in Healthy Subjects and Split-Brain Patients. Symmetry, 2021, 13, 1953.	1.1	2
1850	Designing an alternate reality board game with augmented reality and multi-dimensional scaffolding for promoting spatial and logical ability. Interactive Learning Environments, 2023, 31, 4346-4366.	4.4	20
1853	Allocentrikus Ã©s egocentrikus tÃ©ri referenciakeretek kapcsolata a szorongÃ¡sos Ã©lmÃ©nyekrÅ‘l adott Ã¶nbeszÃ¡molÃ³kkal. Magyar Pszichologiai Szemle, 2000, 55, 3-17.	0.1	0
1854	COMPARING ADOLESCENT AND MIDDLE-AGE GROUPS ON SPATIAL TASK PERFORMANCE: A DEVELOPMENTAL-DIFFERENTIATION APPROACH. Psychologia, 2003, 46, 174-181.	0.3	0
1855	COMPARING PERFORMANCE OF PUPILS WITH HIGH SPATIAL-LOW NUMERICAL AND HIGH NUMERICAL-LOW SPATIAL SCORES ON A STANDARDIZED MATHEMATICS TEST IN THE UNITED KINGDOM. Perceptual and Motor Skills, 2003, 97, 83.	0.6	0
1856	Visuelle VorstellungsfÃhigkeit, Bewegungsvorstellung und mentales Rotieren bei Morbus Parkinson. Zeitschrift FÃ¼r Neuropsychologie = Journal of Neuropsychology, 2003, 14, 67-80.	0.2	1
1857	Psychological gender development in individuals born with ambiguous genitalia. , 2004, , 492-508.		1
1859	Das transsexuelle Gehirn. , 2007, , 125-141.		1
1860	A study on the application of a comprehensive spatial ability enhancement program for young children. Korean Journal of Early Childhood Education, 2007, 27, 295-325.	0.0	0
1861	Differences of the visuospatial ability, memory and executive function according to age groups of normal adults. Han'guk Simni Hakhoe Chi Kon'gang = the Korean Journal of Health Psychology, 2008, 13, 253-265.	0.2	0
1862	Gender (sic) Equality (sic). Opticon1826, 2008, , .	0.0	2
1863	Gender Characteristics of factors affecting students' science learning. Journal of Research in Curriculum Instruction, 2008, 12, 413-456.	0.0	1
1866	Origametria: A Program to Teach Geometry and to Develop Learning Skills Using the Art of Origami. , 2009, , 471-482.		1
1867	The Theoretical Review on the Sex Differences of the Spatial Cognition and its Implications on the Perspective of Geography Education. The Journal of the Korean Association of Geographic and Environmental Education, 2009, 17, 125-143.	0.0	1
1868	Using Haptic-Based Trajectory Following in 3D Space to Distinguish between Men and Women. Lecture Notes in Computer Science, 2010, , 225-230.	1.0	0
1870	The Conceptions of Astronomical Distance of Elementary School Teachers. Journal of the Korean Earth Science Society, 2010, 31, 827-838.	0.0	2
1872	Investigation of the Relationship between Myopia and Intelligence in a Sample of Undergraduate Students. Neuroscience and Medicine, 2011, 02, 313-317.	0.2	3

#	Article	IF	Citations
1873	Spatial Intelligence. , 2011, , 1419-1419.		0
1874	Friendship Display Medium in Response to Academic Major Influences in Visuospatial Abilities. Lecture Notes in Computer Science, 2011, , 166-176.	1.0	0
1875	Using internet-based problem-solving activities to enhance students' understanding of 3-dimensional spatial relationships. Planet, 2011, 24, 68-75.	0.1	0
1876	Investigating the Effects of Teaching Based on an Analysis of High School Students' Knowledge State of Concepts Associated with Astronomical Observation. Journal of the Korean Earth Science Society, 2011, 32, 902-912.	0.0	2
1878	Visualization Skills in Engineering Education. , 2012, , 175-203.		0
1879	Spatial Abilities in Virtual Environmentâ€™s Learning Spaces. International Journal of Learning, 2012, 18, 63-82.	0.1	0
1880	Influence of Rotational Axis and Gender-Stereotypical Nature of Rotation Stimuli on the Mental-Rotation Performance of Male and Female Fifth Graders. Lecture Notes in Computer Science, 2012, , 220-229.	1.0	4
1881	Appreciating Individual Differences. , 2012, , 60-79.		0
1882	Serum Free Testosterone and Estradiol Levels in Perceptual-Verbal and Spatial Abilities;Differences in Sex and Hand Preference. , 0, , .		0
1883	Learner Characteristics and Performance in a First-Person Online Desktop Virtual Environment. International Journal of Online Pedagogy and Course Design, 2012, 2, 11-24.	0.3	4
1884	Assessing Korean Middle School Students' Spatial Ability: Comparison between Gifted Students and General Students. Journal of Gifted/Talented Education, 2012, 22, 371-386.	0.1	0
1885	The Influence of Design Training and Spatial Solution Strategies on Spatial Ability Performance. Lecture Notes in Computer Science, 2013, , 403-409.	1.0	0
1886	Userâ€™s Experience with a 3D Educational Mobile Game to Support Spatial Instruction. Advances in Game-based Learning Book Series, 2013, , 261-273.	0.2	0
1887	Gender and learner characteristics. European Journal of Educational Research, 2013, 2, .	0.7	3
1888	Middle and high school studentsâ€™ self-location ability in map reading for wayfinding. The Journal of the Korean Association of Geographic and Environmental Education, 2013, 21, 65-77.	0.0	1
1890	Influences of Gender and Computer Gaming Experience in Occupational Desktop Virtual Environments. International Journal of Adult Vocational Education and Technology, 2013, 4, 1-14.	0.3	1
1891	Spatial Ability and Mathematical Achievement of Elementary School Students. Education of Primary School Mathematics, 2013, 16, 303-313.	0.0	0
1892	Training to Improve Spatial Orientation in Engineering Students Using Virtual Environments. Lecture Notes in Computer Science, 2014, , 96-104.	1.0	0

#	Article	IF	Citations
1893	Cognitive Processes and Traits Related to Graphic Comprehension. Advances in Data Mining and Database Management Book Series, 2014, , 94-110.	0.4	1
1894	Object Location Memory and Sex Difference: Implications on Static vs. Dynamic Navigation Environments. Journal of Cognitive Science, 2014, 15, 27-56.	0.2	2
1897	Hormonal and Neural Correlates of Sex-Typed Behavioral Development in Human Beings. , 1993, , 131-149.		5
1898	Fonctionnement cognitif et comparaisons intersexes. , 1995, , 277-304.		2
1899	Gender Differences in Brain Morphometry and Function. , 1996, , 127-151.		2
1901	Development and Validation of Spatial Visualization Tests for Elementary School Children. Education of Primary School Mathematics, 2014, 17, 159-171.	0.0	0
1902	Dopamine Does Not Appear to Affect Mental Rotation in Parkinsonâ€™s Disease. Journal of Movement Disorders, 2014, 7, 77-83.	0.7	2
1903	Raum und Form. , 2015, , 165-226.		0
1904	A case study on high school students' mental image in the process of solving regular polyhedron problems. The Mathematical Education, 2014, 53, 493-507.	0.0	0
1906	The Extent of Mental Rotation among A Sample of Mathematics Students At Al-Qassim University. International Journal of Asian Social Science, 2015, 5, 641-655.	0.2	0
1910	A Case Study on Spatial Thinking Revealed in Elementary School Science Class on Solar System and Stars. Journal of the Korean Association for Science Education, 2015, 35, 179-197.	0.1	3
1911	The Effects of an Instruction Using Geologic Planar Figures on High School Studentsâ€™ Ability of Spatial Visualization and Geologic Spatial Ability. Journal of the Korean Earth Science Society, 2015, 36, 280-299.	0.0	1
1912	A Study on the Relation among Mathematical - Spatial - Verbal Abilities and Gender Differences of Engineering Students. Journal of Engineering Education Research, 2015, 18, 34-44.	0.1	0
1913	Methods to Assess Mental Rotation and Motor Imagery. Advances in Intelligent Systems and Computing, 2016, , 251-258.	0.5	0
1914	FÃ¶rderung des RaumvorstellungsvermÃ¶gens GeodiKon â€“ Eine kompakte Zusammenfassung. , 2016, , 237-246.		1
1915	Measuring Spatial Visualization: Test Development Study. , 2017, , 59-84.		4
1917	A Spatial-Semiotic Framework in the Context of Information and Communication Technologies (ICTs). , 2017, , 173-194.		1
1918	Various Spatial Skills, Gender Differences, and Transferability of Spatial Skills. , 2017, , 85-105.		4

#	Article	IF	Citations
1919	The Relationship between Spatial Skill and Spatial Anxiety: A Research on Pre-Service Primary-School Teachers. Turkish Journal of Computer and Mathematics Education, 2016, 7, 646-646.	0.4	3
1920	Evaluating Middle School Studentsâ€™ Spatial-Scientific Performance within Earth/Space Astronomy in Terms of Gender and Race/Ethnicity. Journal of Education in Science, Environment and Health, 2017, 3, 40-40.	0.5	3
1921	Program Development and Application for Improving Spatial Ability of Elementary Science Gifted. Korean Journal of Elementary Education, 2016, 27, 165-190.	0.0	0
1922	The Effects of Task Complexity and Spatial Ability on Teleoperation Performance. Lecture Notes in Computer Science, 2017, , 42-50.	1.0	0
1923	Spatial Orientation and 3D Geometry. Advances in Intelligent Systems and Computing, 2017, , 285-292.	0.5	0
1924	Individual and Gender Differences in Spatial Ability and Three Forms of Engineering Self-efficacy. Lecture Notes in Computer Science, 2017, , 3-18.	1.0	0
1925	The Use of Eye-Tracking in Spatial Thinking Research. Advances in Educational Technologies and Instructional Design Book Series, 2017, , 239-260.	0.2	3
1926	Development of Spatial Geometry Cognition in 3-, 4-, and 5-Year-Old. Family and Environment Research, 2017, 55, 125-140.	0.1	0
1927	PrzeglÄ…d badaÅ„ nad zwiÄ…zkami zdolnoÅ›ci przestrzennych z kompetencjami z nauk Å›cisÅ‚ych uczniÃ³w i studentÃ³w. Edukacja, 2017, 140, .	0.2	0
1928	PersÃ¶nlichkeitsbereiche. Springer-Lehrbuch, 2018, , 135-235.	0.1	2
1929	Geschlechtsunterschiede. Springer-Lehrbuch, 2018, , 349-385.	0.1	0
1930	Pre-Service Primary School Teachersâ€™ Spatial Abilities. Acta Didactica Napocensia, 2017, 10, 123-130.	0.1	2
1931	Sex Differences in Verbal and Spatial Ability among Korean Young Adults. The Korean Journal of Woman Psychology, 2017, 22, 355-369.	0.2	1
1932	THE DIAGNOSIS DILEMMA: DYSLEXIA AND VISUAL-SPATIAL ABILITY. Brock Education: A Journal of Educational Research and Practice, 2017, 26, .	0.7	0
1933	Spatial Visualization Abilities of Field Dependent/Independent Preservice Teachers. Electronic Journal of Research in Educational Psychology, 2017, 12, 371-390.	0.2	0
1934	OriGami: A Mobile Geogame for Spatial Literacy. Advances in Geographic Information Science, 2018, , 37-62.	0.3	4
1935	7. SÄ±nÄ±f Ã–ÄŸrencilerinin Uzamsal YÃ¶nelim Becerilerini GeliÅŸtirmeye YÃ¶nelik Tasarlanan Ã–ÄŸrenme OrtamÄ±nÄ±n DeÄŸerlendirilmesi. Kastamonu EÄŸitim Dergisi, 0, , 1-18.	0.1	4
1936	Picture versus words: A comparison of pictorial and verbal informed assent formats. Indian Journal of Social Psychiatry, 2018, 34, 62.	0.3	0

#	Article	IF	Citations
1937	Space Representation and Gender Differences. Advances in Educational Technologies and Instructional Design Book Series, 2018, , 23-28.	0.2	0
1938	ValidaciÃ³n y aplicaciÃ³n de un test modificado de Vandenberg y Kuse de rotaciÃ³n mental para simetrÃa molecular. TecnÃ©, Episteme Y Didaxis, 2018, , 155-171.	0.2	0
1939	Gender Differences among Korean Children in Verbal Ability, Spatial Ability, General Knowledge and Processing Speed. The Korean Journal of Woman Psychology, 2018, 23, 51-67.	0.2	0
1940	Evaluating the Effect of Display Realism on Natural Resource Decision Making. Proceedings of the ICA, 0, 1, 1-7.	0.0	0
1941	An Analysis of Elementary School Studentsâ€™ Problem Solving Processes Related to Spatial Sense Using an Eye-Tracking Method. Journal of Educational Research in Mathematics, 2018, 28, 283-299.	0.2	0
1942	Sport â€“ differenziert betrachtet. , 2019, , 77-97.		0
1943	Predictability of Visual Processes on Performance in Geometry. Journal of Education and Learning, 2018, 7, 25.	0.2	1
1945	Relationship between motion geometric ability and spatial ability of young children. Korean Journal of Early Childhood Education, 2018, 38, 31-48.	0.0	0
1946	Chapter 22. The effects of correlated colour temperature on wayfinding performance and emotional reactions. , 0, , 405-418.		1
1947	Uzamsal Yetenek Belirlemek Ã°Ã§in Hangi TÃ¼r Sorular KullanÄ±lmalÄ±dÄ±r?. Kastamonu EÄŸitim Dergisi, 0, , 2189-2201.	0.1	0
1948	UZAMSAL Ã°LÃ°ÅžKÃ°LER TESTÃ°NÃ°N GELÃ°ÅžTÃ°RÃ°LMESÃ°: GEÃ‡ERLÃ°K VE GÃœVENÃ°RLÃ°K Ã‡ALIÅžMALARI. Abant Ã°zzet Baysal EÄŸitim FakÃ¼ltesi Dergisi, 2018, 18, 2011-2032.	0.2	3
1949	APARTMANLAR OYUNUNUN ORTAOKUL MATEMATÃ°K Ã–ÄžRETMEN ADAYLARININ UZAMSAL GÃ–RSELLEÅžTÃ°RME YETENEKLERÃ°NE OLAN ETKÃ°SÃ°. Abant Ã°zzet Baysal Ãœniversitesi EÄŸitim FakÃ¼ltesi Dergisi, 2018, 18, 2541-2559.	0.2	8
1950	Sex Differences in Spatial Abilities. , 2019, , 1-3.		0
1951	The Use of Eye-Tracking in Spatial Thinking Research. , 2019, , 588-609.		2
1952	A Close-Up Look at PCR. CourseSource, 0, 6, .	0.0	2
1953	Viewing Experience of Augmented Reality Objects as Ambient Media - A Comparison of Multimedia Devices. Lecture Notes in Computer Science, 2019, , 324-329.	1.0	0
1954	3B TasarÄ±m UygulamalarÄ±nÄ±n Uzamsal Beceriye Etkisi: Hackidhon Ã–rneÄŸi. Gazi University Journal of Gazi Education Faculty, 2019, 39, 341-371.	0.0	7
1955	From Nonsense to Number Sense: Enumeration of Numbers in Math Classroom Learning. European Journal of Social & Behavioural Sciences, 2019, 25, 181-195.	0.3	3

#	Article	IF	Citations
1956	DEVELOPMENTAL PATTERNS OF SEX DIFFERENCES IN VERBAL AND VISUOSPATIAL ABILITIES. , 2019, , .		0
1958	Uzamsal GÃ¶rselleÅŸtirme Testinin GeliÅŸtirilmesi: GeÃ§erlik ve GÃ¼venirlik Ã‡alÄ±ÅŸmalarÄ±. Kastamonu EÄŸitim Dergisi, 2019, 27, 1179-1195.	0.1	3
1959	COÄžRAFÄ° BÄ°LGÄ° SÄ°STEMLERÄ°NE (CBS) DAYALI SOSYAL BÄ°LGÄ°LER Ã–ÄžRETÄ°MÄ°NÄ°N 6. SINIF Ã–ÄžRENCÄ°LERÄ°NÄ°N MEKÃ‚NSAL BECERÄ°LERÄ°NE ETKÄ°SÄ°. International Journal of Geography and Geography Education, 2019, , 40-58.	0.1	2
1960	Diferencias en imagen mental entre individuos espaÃ±oles e italianos. Revista De Estudios E InvestigaciÃ³n En PsicologÃa Y EducaciÃ³n, 2019, 6, 37-43.	0.1	1
1961	GÃ¶rsel Ä°spat Becerisi, Van Hiele Geometrik DÃ¼ÅŸÃ¼nme DÃ¼zeyleri ve Uzamsal Yetenek ArasÄ±ndaki Ä°liÅŸki. Erciyes Journal of Education, 2019, 3, 105-122.	0.2	4
1962	Relative Spectral Power Analysis of EEG Activity during Actions Involving Number Sense and Spatial Ability. Journal of Educational Research in Mathematics, 2019, 29, 805-829.	0.2	0
1963	Jalur Trotoar Responsif Penyandang Low Vision: Studi Kasus Pasar Baru Bandung. INKLUSI Journal of Disability Studies, 2019, 6, 313.	0.3	0
1964	Exploring Clinical Use of Apparel Design Activities: Enhancing Spatial Ability Through Virtual Apparel Pattern-making. , 2019, , .		1
1965	Comparison of the Moderating Effect of Mental Rotation Ability on the amount of Learning by Mental Exercise Method in a Motor Skill. International Journal of Motor Control and Learning, 2020, 2, 31-41.	0.2	0
1966	Navigation Ability Test: a new specific test to asses spatial orientation ability in football players and healthy subjects. Journal of Sports Medicine and Physical Fitness, 2020, 60, 934-941.	0.4	1
1968	Boundary Extension Effect Remembering Different Content Pictures. Psichologija, 0, 61, 21-32.	0.1	0
1970	Manipulate Me. European Journal of Psychological Assessment, 2020, 36, 554-562.	1.7	2
1971	Embodied Interaction and Spatial Skills: A Systematic Review of Empirical Studies. Interacting With Computers, 2020, 32, 331-366.	1.0	12
1972	Modelle fÃ¼r (mathematische) Begabung. , 2020, , 1-117.		0
1973	Ortaokul Ã–ÄŸrencilerinin Modelleme Becerilerinin Belirlenmesi. Cumhuriyet International Journal of Education, 2020, 9, 1000-1028.	0.1	2
1974	Reflections from the pre-service teachersâ€™ geometric modeling design process: Is it half the base or the height?. International Journal of Educational Studies in Mathematics, 0, , .	0.1	0
1975	4. Evaluating Threat, Solving Mazes, and Having the Blues: Gender Differences in Brain-Imaging Studies. , 2020, , 67-88.		0
1976	Spatial and mathematics skills: Similarities and differences related to age, SES, and gender. Cognition, 2022, 218, 104918.	1.1	17

#	Article	IF	Citations
1977	Geolocalizando con TAC: La Competencia Digital Docente y la Competencia Espacial con TPACK. Revista De Estudios Andaluces, 2020, , 189-191.	0.1	0
1978	The Adoption of a Virtual Realityâ€“Assisted Training System for Mental Rotation: A Partial Least Squares Structural Equation Modeling Approach. JMIR Serious Games, 2020, 8, e14548.	1.7	6
1979	Development of the visual system. , 2020, , 335-358.		0
1980	Aspects of the relationship between the processing of stimuli in the peripheral perceptual field and in the perceptual central field. Psihologia Resurselor Umane, 2008, 6, 94-106.	0.4	0
1981	Schwerpunkte der FÃ¶rderung mathematisch begabter Kinder und Jugendlicher. , 2020, , 173-320.		0
1982	Research Methods and Designs. , 2020, , 123-137.		0
1983	Gender Differences in Norwegian Engineering Studentsâ€™ Understanding of Newtonian Mechanics. Uniped, 2020, 43, 19-32.	0.1	0
1984	Spatial thinking in infancy: Origins and development of mental rotation between 3 and 10 months of age. Cognitive Research: Principles and Implications, 2020, 5, 10.	1.1	11
1985	TÃ¼rkiyeâ€™de Uzamsal YeteneÄŸe iliÅŸkin AraÅŸtÄ±rma EÄŸilimleri. OPUS UluslararasÄ± Toplum AraÅŸtÄ±rmalarÄ± Dergisi, 2020, 17, 2605-2636.	0.3	1
1986	EVALUATION OF VISUAL SPATIAL INTELLIGENCE SKILLS OF FOREST INDUSTRY ENGINEERING STUDENTS. Turkish Journal of Forest Science, 2021, 5, 496-515.	0.1	0
1987	Virtual Mathematics Kits (VMK): The Value of Spatial Orientation on It. European Journal of Educational Research, 2020, 9, 1105-1114.	0.7	0
1988	Influences of Gender and Computer Gaming Experience in Occupational Desktop Virtual Environments. Advances in Higher Education and Professional Development Book Series, 0, , 200-216.	0.1	1
1989	Cognitive Processes and Traits Related to Graphic Comprehension. , 0, , 1558-1575.		0
1990	Understanding Gender Differences in Media Perceptions of Hedonic Systems. , 0, , 1950-1964.		0
1991	Gender and Mathematics: Mythology and Misogyny. , 1996, , 27-38.		1
1993	An Analysis of First-Year Engineering Majors' Spatial Skill. , 0, , .		1
1998	Mathematical achievement: the role of spatial and motor skills in 6â€“8 year-old children. PeerJ, 2020, 8, e10095.	0.9	9
1999	Animation and interactivity in computer-based physics experiments to support the documentation of measured vector quantities in diagrams: An eye tracking study. Physical Review Physics Education Research, 2020, 16, .	1.4	9

#	Article	IF	Citations
2000	A Data-Driven, Player-Centric Approach to Evaluating Spatial Skill Training Games. , 2020, , .		3
2001	The Impact of Aging on Spatial Abilities in Deaf Users of a Sign Language. Journal of Deaf Studies and Deaf Education, 2021, 26, 230-240.	0.7	0
2002	SAperI: approaching gender gap using Spatial Ability training week in high-school context. , 2020, , .		2
2003	Application of Nonimmersive Virtual Reality Technology in an Environmental Design Course: A Study of Gender Difference. , 2020, , .		0
2004	The role of gender in very old age: profiles of functioning and everyday life patterns. Psychology and Aging, 1998, 13, 676-95.	1.4	43
2005	Sex-sensitive tasks in men and women: a search for performance fluctuations across the menstrual cycle. Behavioral Neuroscience, 1998, 112, 1304-17.	0.6	46
2006	Spatial skills and counting sequence knowledge: Investigating reciprocal longitudinal relations in early years. Early Childhood Research Quarterly, 2022, 59, 1-11.	1.6	4
2007	Oceans of Inspiration: A Marine Based STEAM Project. European Journal of STEM Education, 2021, 6, 15.	0.7	2
2008	Examining the relations between spatial skills and mathematical performance: A meta-analysis. Psychonomic Bulletin and Review, 2022, 29, 699-720.	1.4	28
2009	A new structural model for measuring spatial intelligence. Vestnik of Minin University, 2021, 9, .	0.3	0
2010	Learning Basketball Tactical Actions from Video Modeling and Static Pictures: When Gender Matters. Children, 2021, 8, 1060.	0.6	7
2011	Makers and Makerspaces. , 2021, , 442-459.		0
2013	Systematic Review of the Development of Spatial Intelligence through Augmented Reality in STEM Knowledge Areas. Mathematics, 2021, 9, 3067.	1.1	2
2014	Ortaokul Ã–ÄŸrencilerinin Uzamsal ZekÃ¢ Becerilerinin Cinsiyet, SÄ±nÄ±f ve Okul AÃ§Ä±sÄ±ndan Ä°ncelenmesi. Yuzunci Yil Universitesi Egitim Fakultesi Dergisi, 0, , 558-581.	0.5	0
2015	A new VR paradigm to measure mental rotation. , 2020, , .		1
2016	The Effects of Using Web-Based 3D Design Environment on Spatial Visualisation and Mental Rotation Abilities of Secondary School Students. Informatics in Education, 0, , 399-424.	1.8	8
2017	Visuospatial reasoning of eighth-grade students in solving geometry problems: A gender perspective. Beta: Jurnal Tadris Matematika, 2020, 13, 152-167.	0.3	0
2018	A Hybrid Approach to Administering a Spatial Skills Intervention. , 2021, , .		3

#	Article	IF	Citations
2019	The contribution of static and dynamic tests to the assessment of visuospatial abilities among adult males. Journal of Cognitive Psychology, 0, , 1-10.	0.4	0
2020	Bidirectional relationship between visual perception and mathematics performance in Chinese kindergartners. Current Psychology, 2022, , 1-8.	1.7	0
2021	The Immersive Mental Rotations Test: Evaluating Spatial Ability in Virtual Reality. Frontiers in Virtual Reality, 2022, 3, .	2.5	13
2022	A meta-analysis of the impact of virtual technologies on studentsâ€™ spatial ability. Educational Technology Research and Development, 2022, 70, 73-98.	2.0	11
2023	The practice of speleology: What is its relationship with spatial abilities?. Cognitive Processing, 2022, , 1.	0.7	0
2024	Spatial ability as a distinct domain of human cognition: An evolutionary perspective. Intelligence, 2022, 90, 101616.	1.6	12
2025	User Selection Strategies of Interactive Data Visualization Format. Journal of Computer Information Systems, 2023, 63, 81-93.	2.0	1
2026	Recognition of rotated objects and cognitive offloading in dogs. IScience, 2022, 25, 103820.	1.9	3
2027	Improving Soccer Playersâ€™ Memorization of Soccer Tactics: Effects of Visual Realism, Soccer Expertise, and Visuospatial Abilities. Perceptual and Motor Skills, 2022, 129, 747-766.	0.6	0
2028	Spatial abilities associated with open math problem solving. Applied Cognitive Psychology, 0, , .	0.9	4
2029	Bidirectional associations among executive functions, visual-spatial skills, and mathematical achievement in primary school students: Insights from a longitudinal study. Cognitive Development, 2022, 62, 101149.	0.7	6
2030	A Cultural Species and its Cognitive Phenotypes: Implications for Philosophy. Review of Philosophy and Psychology, 0, , 1.	1.0	9
2031	Mental-Imagery-Based Mnemonic Training: A New Kind of Cognitive Training. Frontiers in Psychology, 2021, 12, 740829.	1.1	0
2032	Testosterone and the brain: from cognition to autism. Physiological Research, 2020, 69, S403-S419.	0.4	9
2033	Assessing Spatial Skills/Thinking in Geography. Key Challenges in Geography, 2022, , 77-97.	0.1	4
2034	Enhancing female older adultsâ€™ spatial visualisation ability via a virtual pattern-making module. International Journal of Fashion Design, Technology and Education, 2022, 15, 130-138.	0.9	1
2035	GeschlechtsidentitÃt, SexualitÃt und psychologische Geschlechtsunterschiede in der PersÃ¶nlichkeitspsychologie. Psychosomatik Im Zentrum, 2022, , 47-65.	0.1	1
2036	Learning to think spatially through curricula that embed spatial training. Journal of Research in Science Teaching, 2022, 59, 1134-1168.	2.0	5

#	Article	IF	Citations
2037	The Effect of Augmented Reality on Achievement and Spatial Visualization Skills in Technical Drawing Course. Journal of Learning and Teaching in Digital Age, 0, , .	0.5	0
2038	Students need more practice with spatial thinking in geoscience education: a systematic review of the literature. Studies in Science Education, 2023, 59, 147-204.	3.4	4
2039	What makes online teaching spatial? Examining the connections between K-12 teachersâ€™ spatial skills, affect, and their use of spatial pedagogy during remote instruction. Cognitive Research: Principles and Implications, 2022, 7, 25.	1.1	0
2040	Individual Differences in Parietal and Premotor Activity During Spatial Cognition Predict Figural Creativity. Creativity Research Journal, 2023, 35, 23-32.	1.7	2
2041	The Contribution of Shape Features and Demographic Variables to Disembedding Abilities. Frontiers in Psychology, 2022, 13, 798871.	1.1	0
2042	The effect of autistic traits on disembedding and mental rotation in neurotypical women and men. Scientific Reports, 2022, 12, 4639.	1.6	3
2043	The Proactive Synergy Between Action Observation and Execution in the Acquisition of New Motor Skills. Frontiers in Human Neuroscience, 2022, 16, 793849.	1.0	9
2044	The fMRI correlates of visuo-spatial abilities: sex differences and gender dysphoria. Brain Imaging and Behavior, 2022, 16, 955-964.	1.1	2
2045	Can Online Teaching of Radiographic Anatomy Replace Conventional On-Site Teaching? A Randomized Controlled Study. Journal of Veterinary Medical Education, 2022, , e20210153.	0.4	1
2046	Video Game Play Does Not Improve Spatial Skills When Controlling for Speed-Accuracy Trade-Off: Evidence From Mental-Rotation and Mental-Folding Tasks. Perceptual and Motor Skills, 2022, , 003151252210789.	0.6	1
2047	Reflecting geometrical shapes: approaches of primary students to reflection tasks and relations to typical error patterns. Educational Studies in Mathematics, 2022, 111, 47-71.	1.8	1
2048	Impact of Different Role Types and Gender on Presence and Cybersickness in Immersive Virtual Reality Setups. , 2021, , .		8
2049	Sex differences in mental rotation: the role of stereotyped material, perceived performance and extrinsic spatial ability. Journal of Cognitive Psychology, 2022, 34, 400-409.	0.4	9
2050	Phonological Processing, Visuospatial Skills, and Pattern Understanding in Chinese Developmental Dyscalculia. Journal of Learning Disabilities, 2022, 55, 499-512.	1.5	2
2051	Racial and gender disparities in elementary mathematics. School Science and Mathematics, 2022, 122, 36-53.	0.5	2
2052	The role of a graphical interpretation factor in the assessment of Spatial Visualization: A critical analysis. Spatial Cognition and Computation, 2023, 23, 1-30.	0.6	9
2053	The Architecture and Interior Design Domainâ€“Specific Spatial Ability Test (AISAT): Its Validity and Reliability. Journal of Interior Design, 2022, 47, 11-30.	0.4	5
2054	Explaining Worldâ€Wide Variation in Navigation Ability from Millions of People: Citizen Science Project Sea Hero Quest. Topics in Cognitive Science, 2023, 15, 120-138.	1.1	47

#	Article	IF	Citations
2055	Testosterone and Spatial Memory: Rodent Models and Clinical Applications. Androgens: Clinical Research and Therapeutics, 2021, 2, 275-293.	0.2	2
2056	The Influence of Mental Imagery Expertise of Pen and Paper Players versus Computer Gamers upon Performance and Electrocortical Correlates in a Difficult Mental Rotation Task. Symmetry, 2021, 13, 2337.	1.1	0
2057	Promoting Junior School Students' Spatial Ability through 3D Printing. , 2021, , .		0
2059	Comparison of mental rotation ability, attentional capacity and cognitive flexibility in action video gamers and non-gamers. Cyberpsychology, 2022, 16, .	0.7	4
2060	Intuitive, Efficient and Ergonomic Tele-Nursing Robot Interfaces: Design Evaluation and Evolution. ACM Transactions on Human-Robot Interaction, 2022, 11, 1-41.	3.2	6
2061	Mental Rotation of Tactic Board Instructions in Basketball: Domain-Specific Expertise Improves On-Court Performance. Research Quarterly for Exercise and Sport, 2023, 94, 568-577.	0.8	4
2062	The Effects of Augmented Reality in the Technical Drawing Course on Engineering Students' Spatial Ability and Academic Achievement. Journal of Learning and Teaching in Digital Age, 2022, 7, 160-174.	0.5	2
2063	Differential effects of aging on spatial abilities. Experimental Brain Research, 2022, 240, 1579.	0.7	0
2064	Gender differences in mathematics achievement: A secondary analysis of Programme for International Student Assessment data from Shanghai. , 2022, 1, 115-130.		4
2065	The sexes do not differ in general intelligence, but they do in some specifics. Intelligence, 2022, 92, 101651.	1.6	8
2066	Experiencing virtual geographic environment in urban 3D participatory e-planning: A user perspective. Landscape and Urban Planning, 2022, 224, 104432.	3.4	7
2067	Knowns and Unknowns. , 0, , .		2
2068	Tools, Methodologies and Motivation to Improve Spatial Skill on Engineering Students. , 0, , .		0
2069	Spatial Ability Measurement in an Introductory Graphic Communications Course. , 0, , .		2
2070	Implementing ENGAGE Strategies to Improve Retention: Focus on Spatial Skills: Engineering Schools Discuss Successes and Challenges. , 0, , .		3
2071	Spatial Visualization Skills: Impact on Confidence and Success in an Engineering Curriculum. , 0, , .		2
2088	Evidence in support of a model that predicts how biological and environmental factors interact to influence spatial skills. Developmental Psychology, 1999, 35, 1237-47.	1.2	11
2089	The role of self-to-object updating in orientation-free performance on spatial-memory tasks. Journal of Experimental Psychology: Learning Memory and Cognition, 2002, 28, 422-36.	0.7	19

#	Article	IF	Citations
2090	Analysis of part-task training using the backward-transfer technique. Journal of Experimental Psychology: Applied, 1996, 2, 227-49.	0.9	14
2091	Spatial Thinking in Primary Geography. Key Challenges in Geography, 2022, , 133-144.	0.1	3
2092	BÄ°LGÄ°SAYAR TABANLI ETKÄ°NLÄ°KLERÄ°N ORTAOKUL Ã–ÄžRENCÄ°LERÄ°NÄ°N MODELLEME BECERÄ°LERÄ°NE ETKÄ°SÄ°NÄ°N Ä°NC Abant Ä°zzet Baysal Ãœniversitesi EÄŸitim FakÃ¼ltesi Dergisi, 0, , .	0.2	0
2093	Playing for the Future. Advances in Early Childhood and K-12 Education, 2022, , 416-451.	0.2	1
2094	The Construction and Validation of the Visuospatial Self-Efficacy (VSSE) Scale. Journal of Science Education and Technology, 0, , 1.	2.4	0
2095	A longitudinal study on basic numerical skills in early numerical development. Cognitive Development, 2022, 62, 101182.	0.7	0
2096	Analysis of the spatial skills of the degree student in engineering: A gender approach. Advances in Building Education, 2022, 6, 9.	0.2	0
2097	Wayfinding and spatial perception among adolescents with mild intellectual disability. Journal of Intellectual Disability Research, 2022, , .	1.2	0
2098	Previous Experience Seems Crucial to Eliminate the Sex Gap in Geometry Learning When Solving a Navigation Task in Rats (Rattus norvegicus). Frontiers in Psychology, 2022, 13, .	1.1	3
2099	Epistemic Action of Junior High School Students With Low Spatial Ability in Constructing Cube Nets. International Journal of Educational Methodology, 2022, 8, 221-230.	0.4	0
2100	Sexual orientation and spatial ability in men and women. Cognitive, Affective and Behavioral Neuroscience, 1990, 18, 101-108.	1.2	78
2104	Unravelling the numerical and spatial underpinnings of computational thinking: a pre-registered replication study. Computer Science Education, 2022, 32, 313-334.	2.7	3
2105	Spatial skills and number skills in preschool children: The moderating role of spatial anxiety. Cognition, 2022, 225, 105165.	1.1	4
2106	Different cognitive mechanisms for process-open and process-constrained problem solving. ZDM - International Journal on Mathematics Education, 2022, 54, 529-541.	1.3	3
2107	Sex differences in cognitive processing: An integrative review of electrophysiological findings. Biological Psychology, 2022, 172, 108370.	1.1	9
2109	The development of visuospatial abilities and their impact on laparoscopic skill acquisition: a clinical longitudinal study. Surgical Endoscopy and Other Interventional Techniques, 0, , .	1.3	1
2110	Effects of Visual Cueing Types and Level of Interactivity in the Interactive 3D Learning Material on Cognitive Load. Journal of Digital Contents Society, 2022, 23, 861-870.	0.1	0
2111	Efficacy of Instructional-Based Learning (IBL) on Learnersâ€™ Geometric Spatial Cognition in South Africa: Parallel Approach to Enhancing Use of Dynamic Geometric Environments (DGES). SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	Citations
2112	Exploring the Impact of Extended Reality (XR) on Spatial Reasoning of Elementary Students. TechTrends, 2022, 66, 825-836.	1.4	3
2113	Interestâ€“Ability Profiles: An Integrative Approach to Knowledge Acquisition. Journal of Intelligence, 2022, 10, 43.	1.3	4
2114	Sex Hormones, Sleep, and Memory: Interrelationships Across the Adult Female Lifespan. Frontiers in Aging Neuroscience, 0, 14, .	1.7	10
2115	The Impact of Gender-affirming Hormone Therapy on Anatomic Structures of the Brain Among Transgender Individuals. Journal of Psychiatric Practice, 2022, 28, 328-334.	0.3	0
2116	Subtleties in spatial visualization maneuvers: Insights from numerical solutions. Journal of Mathematical Behavior, 2022, 67, 100988.	0.5	1
2117	Transwoman Elite Athletes: Their Extra Percentage Relative to Female Physiology. International Journal of Environmental Research and Public Health, 2022, 19, 9103.	1.2	5
2118	Ortaokul Ã¶ÄŸrencilerinin mekÃ¢nsal akÄ±l yÃ¼rÃ¼tme becerisi dÃ¼zeyleri. Lnternational Journal of Geography and Geography Education, 2022, , 135-147.	0.1	1
2119	Can dog-assisted and relaxation interventions boost spatial ability in children with and without special educational needs? A longitudinal, randomized controlled trial. Frontiers in Pediatrics, 0, 10, .	0.9	2
2120	Sex/Gender Differences in Verbal Fluency and Verbal-Episodic Memory: A Meta-Analysis. Perspectives on Psychological Science, 2023, 18, 67-90.	5.2	33
2121	Discrimination thresholds for interaural-time differences and interaural-level differences in naÃ¯ve listeners: Sex differences and learning. Hearing Research, 2022, 424, 108599.	0.9	0
2122	The effect of risk factors on cognition in adult cochlear implant candidates with severe to profound hearing loss. Frontiers in Psychology, 0, 13, .	1.1	1
2123	Ø¹Ù„Ø§Ù‚Ø© Ø§Ù„Ù„Ø¯Ø±Ø© Ø§Ù„Ù…ÙƒØ§Ù†ÙŠØ© Ø¨Ø§Ù„Ø¬Ù†Ø³ Ø§Ù„Ù¹Ø§Ù…Ù© Ù‚Ø§Ù„Ø¬Ø§Ù„ Ù„Ø¯Ù‰ Ø·Ù„		
2124	Spatial ability of transitioning 2D to 3D designs in virtual environment: understanding spatial ability in apparel design education. Fashion and Textiles, 2022, 9, .	1.3	2
2125	Locomotion training contributes to 6-month-old infants' mental rotation ability. Human Movement Science, 2022, 85, 102979.	0.6	5
2126	The differential relations between sub-domains of spatial abilities and mathematical performance in children. Contemporary Educational Psychology, 2022, 71, 102101.	1.6	3
2128	Spatial anxiety and self-confidence mediate sex/gender differences in mental rotation. Learning and Memory, 2022, 29, 312-320.	0.5	4
2129	Interaction Patterns of Spatial Navigation and Smartboard Use in VR Workspaces. Topics in Intelligent Engineering and Informatics, 2023, , 149-166.	0.4	0
2130	Sex differences in spatial and mechanical tilt: Support for investment theories. Intelligence, 2022, 95, 101687.	1.6	7

#	Article	IF	Citations
2131	The Economics of Psychology. , 2022, , 87-142.		0
2132	Overview of research on the application of virtual reality to spatial cognitive ability. SHS Web of Conferences, 2022, 145, 01018.	0.1	0
2133	The Effects of Activities Conducted Through 3D Design Programs on The Development of Pre-Service Primary Teachersâ€™ Spatial Skills. Gazi University Journal of Gazi Education Faculty, 0, , .	0.0	0
2134	Brechas de GÃ©nero en la iniciaciÃ³n a la ProgramaciÃ³n InformÃ¡tica en EducaciÃ³n Secundaria en EspaÃ±a. Revista Complutense De Educacion, 2022, 33, 701-712.	0.3	2
2135	Investigating the impact of gender-differences and spatial ability on learning from instructional animations. Annee Psychologique, 2022, Vol. 122, 537-561.	0.2	2
2136	Modelling response time in a mental rotation task by gender, physical activity, and task features. Scientific Reports, 2022, 12, .	1.6	1
2137	Differential contributions of phonological processing and visual-spatial abilities to four basic arithmetic operations in primary school children. Current Psychology, 0, , .	1.7	0
2138	Spatial Skills and Self-Perceived Masculinity: Considering College Major STEM-ness, Directionality, and Gender. Sex Roles, 2022, 87, 251-266.	1.4	2
2139	Relationships of eye gaze metrics between cognitive processes and strategy in spatial problem-solving. Proceedings of the Human Factors and Ergonomics Society, 2022, 66, 480-484.	0.2	1
2140	The mediating effect of geospatial thinking on the relationship between family capital and sense of place. Frontiers in Psychology, 0, 13, .	1.1	4
2141	Measuring the role of spatial ability and multiple external representations in introductory geology studentsâ€™ knowledge of plate tectonics. Journal of Geoscience Education, 0, , 1-16.	0.8	0
2143	Stereotypes and self-reports about spatial cognition: Impact ofÂgender and age. Current Psychology, 0, , .	1.7	4
2144	Video OyunlarÄ±nÄ±n ÃœstÃ¼n Yetenekli Ã‡ocuklarÄ±n MekÃ¢nsal YÃ¶nelim ve GiriÅŸimcilik Becerileri Ãœzerindeki Etkisinin Belirlenmesi. E-International Journal of Educational Research, 0, , .	0.2	0
2145	Investigating individual differences in left-right confusion among healthy Japanese young adults. Culture and Brain, 2022, 10, 49-64.	0.3	1
2146	Spatial processing rather than logical reasoning was found to be critical for mathematical problem-solving. Learning and Individual Differences, 2022, 100, 102230.	1.5	7
2147	Pathways to arithmetic, geometry, and measurement in preschool children: The role of general cognitive and language skills. Early Childhood Research Quarterly, 2023, 62, 315-323.	1.6	0
2148	Using a mobile Virtual Reality and computer game to improve visuospatial self-efficacy in middle school students. Computers and Education, 2023, 192, 104660.	5.1	9
2149	The influence of sex on the relations among spatial ability, math anxiety and math performance. Trends in Neuroscience and Education, 2022, 29, 100196.	1.5	0

#	Article	IF	Citations
2150	Learning analytics application to examine validity and generalizability of gameâ€based assessment for spatial reasoning. British Journal of Educational Technology, 2023, 54, 355-372.	3.9	4
2151	Landmarks on Mobile Maps: Roles of Visual Variables in the Acquisition of Spatial Knowledge. Interdisciplinary Journal of Signage and Wayfinding, 2022, 6, 17-30.	0.8	0
2152	Augmented reality to improve self-regulated learning and spatial ability. AIP Conference Proceedings, 2022, , .	0.3	0
2153	Computer Game Play, Gender, and Spatial Visualization Skills Among Engineering Students: A 10-year Perspective. Journal of Women and Minorities in Science and Engineering, 2022, , .	0.5	0
2154	The Lateralization of Spatial Cognition in Table Tennis Players: Neuroplasticity in the Dominant Hemisphere. Brain Sciences, 2022, 12, 1607.	1.1	3
2155	Does Culture Shape Our Spatial Ability? An Investigation Based on Eye Tracking. ISPRS International Journal of Geo-Information, 2022, 11, 578.	1.4	0
2156	Embodied learning for computational thinking in early primary education. Journal of Research on Technology in Education, 0, , 1-21.	4.0	3
2157	Embodied Mental Rotation â€“ Does It Affect Postural Stability?. Journal of Motor Behavior, 2023, 55, 202-219.	0.5	3
2158	Effect of Viewpoint Change on Robot Hand Operation by Gesture- and Button-Based Methods. Journal of Robotics and Mechatronics, 2022, 34, 1411-1423.	0.5	0
2159	Using eye gaze to reveal cognitive processes and strategies of engineering students when solving spatial rotation and mental cutting tasks. Journal of Engineering Education, 2023, 112, 125-146.	1.9	3
2161	Investigating the effects of gender and scaffolding in developing preschool childrenâ€™s computational thinking during problem-solving with Bee-Bots. Frontiers in Education, 0, 7, .	1.2	4
2162	The Role of Self-Construal in Child Rearing: A Relational-Physical Comparison. Psychological Studies, 0, , .	0.5	0
2163	Mental rotation, episodic memory, and executive control: Possible effects of biological sex and oral contraceptive use. Neurobiology of Learning and Memory, 2023, 198, 107720.	1.0	1
2164	More than visual-spatial skills: The important role of phonological awareness in mathematical abilities among Chinese primary school children. Current Psychology, 0, , .	1.7	0
2165	The inhibition of mirror generalization of letters in school-aged children. Frontiers in Psychology, 0, 14, .	1.1	1
2166	Gender Differences in Spatial Ability: a Critical Review. Educational Psychology Review, 2023, 35, .	5.1	13
2167	Quâ€™est-ce que la psychologie Ã©volutiveÂ?. Annee Psychologique, 2022, Vol. 123, 173-214.	0.2	0
2168	Complexity of Geometry Problems as a Function of Field-Dependency and Asymmetry of a Diagram. Research in Mathematics Education, 2023, , 501-520.	0.1	0

#	Article	IF	Citations
2170	Spatial visualization and measurement of area: A case study in spatialized mathematics instruction. Journal of Mathematical Behavior, 2023, 70, 101038.	0.5	1
2171	Fostering spatial ability development in and for authentic STEM learning. Frontiers in Education, 0, 8, .	1.2	5
2172	Spatial language in families' conversational reflections about museum experiences. Journal of Applied Developmental Psychology, 2023, 86, 101539.	0.8	0
2173	Integrating augmented reality into mathematics teaching and learning and examining its effectiveness. Thinking Skills and Creativity, 2023, 47, 101245.	1.9	10
2174	Change in Time Perception Following the Place of Pre-Existence Technique. International Journal of Environmental Research and Public Health, 2023, 20, 3509.	1.2	3
2175	Menâ€™s and womenâ€™s egocentric and allocentric knowledge: The involvement of mental rotation ability and spatial beliefs. Frontiers in Psychology, 0, 14, .	1.1	0
2176	A metaâ€analysis of mental rotation in the first years of life. Developmental Science, 0, , .	1.3	1
2177	Counselling, Treating, and Helping Gifted Children with Dyslexia and Other Specific Learning Difficultiesâ€”The 3D Learners. Springer Briefs in Education, 2023, , 89-109.	0.2	0
2178	Spatial ability test for university students: Development, validity and reliability studies. International Journal of Assessment Tools in Education, 2023, 10, 76-97.	0.4	1
2180	Hands of confidence: When gestures increase confidence in spatial problem-solving. Quarterly Journal of Experimental Psychology, 2024, 77, 257-277.	0.6	1
2181	Genitourinary syndrome in menopause: Impact of vaginal symptoms. TâˆšÂºrk Jinekoloji Ve Obstetrik Dernei Dergisi, 2023, 20, 38-45.	0.3	1
2182	Richer than we thought: neurophysiological methods reveal rich-club network development is frequency- and sex-dependent. IScience, 2023, 26, 106384.	1.9	0
2183	Non-metric distance judgements are influenced by image projection geometry and field of view. Quarterly Journal of Experimental Psychology, 0, , 174702182311643.	0.6	0
2184	The spectral profile of cortical activation during a visuospatial mental rotation task and its correlation with working memory. Frontiers in Neuroscience, 0, 17, .	1.4	0
2185	Development of project-based distance mathematics teaching materials assisted by dynamic mathematics software oriented to students' spatial ability. AIP Conference Proceedings, 2023, , .	0.3	0
2186	The role of basic number processing in high mathematics achievement in primary school. Journal of Numerical Cognition, 2023, 9, 162-181.	0.6	0
2187	Persistent gender differences in spatial ability, even in STEM experts. Heliyon, 2023, 9, e15247.	1.4	5
2188	Examining the Effects of Presented Activities for a Strong Supported Geometry Instruction. BartÄ±n Ãœniversitesi EÄŸitim FakÃ¼ltesi Dergisi, 2023, 12, 341-356.	0.1	0

#	Article	IF	Citations
2189	Longitudinal cognitive correlates of advanced mathematical performance in primary school children. Current Psychology, 0, , .	1.7	1
2190	An investigation of mental rotation in infancy using change detection. , 2023, 71, 101834.		1
2191	Investigating the Effects of Individual Spatial Abilities on Virtual Reality Object Manipulation. , 2023, , .		1
2200	Analysis of spatial reasoning ability in geometry viewed from studentsâ€™ cognitive style. AIP Conference Proceedings, 2023, , .	0.3	0
2203	Exploring the Association Between Computational Thinking and Cognitive Abilities of Elementary Students: A Preliminary Study. Communications in Computer and Information Science, 2023, , 22-32.	0.4	1
2208	How Human Spatial Ability is Affected by the Misalignment of Idiotropic and Visual Axes. Lecture Notes in Computer Science, 2023, , 169-186.	1.0	0
2214	Augmented and immersive virtual reality to train spatial skills in STEAM university students. , 2023, , 7-30.		0
2225	Geometrie: Leitidee Raum und Form. , 2023, , 201-242.		0
2239	The role of augmented reality-based media for enhancing studentsâ€™ mathematical ability: A systematics literature review. AIP Conference Proceedings, 2023, , .	0.3	1
2243	Spatial Quest: Game-Based Spatial Intelligence Training Using VR and Non-VR Platforms. , 2023, , .		0
2244	Not only virtual models of helicoidal surfaces. AIP Conference Proceedings, 2023, , .	0.3	0
2253	A Review of Spatial Assessments for Research in Science, Technology, Engineering, and Mathematics Education: A Sample from Northwestern SILC Website. , 2023, , .		0
2257	Training Spatial Skills with Virtual Reality and Augmented Reality. , 2024, , 1904-1912.		0
2262	Review of the Literature on AI-Enhanced Augmented Reality in Education. Cognitive Technologies, 2024, , 13-50.	0.5	0
2263	Introduction and Overview of AI-Enhanced Augmented Reality in Education. Cognitive Technologies, 2024, , 1-11.	0.5	0
2267	Work in Progress: Review of Working Memory, Spatial Ability, and Spatial Anxiety in Engineering Problem-Solving. , 0, , .		0
2271	Effects of Augmented Reality on Visuospatial Abilities of Males and Females. Studies in Computational Intelligence, 2024, , 122-131.	0.7	0
2276	PersÃ¶nlichkeitsbereiche. , 2024, , 159-269.		0

#	Article	IF	Citations
2277	Geschlechtsunterschiede. , 2024, , 401-445.		0