

Yulia V Kovas

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

5,525
citations

81900

39
h-index

91884

69
g-index

126
all docs

126
docs citations

126
times ranked

5300
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex differences in the Dark Triad are sensitive to socioeconomic conditions: the adaptive value of narcissism in the UK, Greece, and China. <i>Current Psychology</i> , 2023, 42, 22436-22448.	2.8	3
2	The Jack and Jill Adaptive Working Memory Task: Construction, Calibration and Validation. <i>PLoS ONE</i> , 2022, 17, e0262200.	2.5	8
3	This is the way: Network perspective on targets for spatial ability development programmes. <i>British Journal of Educational Psychology</i> , 2022, 92, 1597-1620.	2.9	5
4	Individual differences in the number of mitochondrial DNA copies: the effect of socio-demographic factors. <i>Ākutskij Medicinskij Āurnal</i> , 2022, , 13-16.	0.1	0
5	Ordinary extraordinary: Elusive group differences in personality and psychological difficulties between STEMĀgifted adolescents and their peers. <i>British Journal of Educational Psychology</i> , 2021, 91, 78-100.	2.9	12
6	School quality ratings are weak predictors of studentsĀ™ achievement and wellĀbeing. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 339-348.	5.2	12
7	What Do People Know About the Heritability of Sleep?. <i>Behavior Genetics</i> , 2021, 51, 144-153.	2.1	7
8	Creative expressiveness in childhood writing predicts educational achievement beyond motivation and intelligence: A longitudinal, genetically informed study. <i>British Journal of Educational Psychology</i> , 2021, 91, 1395-1413.	2.9	5
9	Measuring Spatial Ability for Talent Identification, Educational Assessment, and Support: Evidence from Adolescents with High Achievement in Science, Arts, and Sports. <i>Psychology in Russia: State of the Art</i> , 2021, 14, 59-85.	0.6	8
10	Genes, Environments and Life Trajectories. , 2021, , 17-43.		0
11	Prophesied Future and Redefined Past in the Genomic Era. , 2021, , 73-110.		1
12	The Impact of Maternal Overweight on Hair Essential Trace Element and Mineral Content in Pregnant Women and Their Children. <i>Biological Trace Element Research</i> , 2020, 193, 64-72.	3.5	5
13	Judging in the genomic era: judgesĀ™ genetic knowledge, confidence and need for training. <i>European Journal of Human Genetics</i> , 2020, 28, 1322-1330.	2.8	8
14	Evidence for a unitary structure of spatial cognition beyond general intelligence. <i>Npj Science of Learning</i> , 2020, 5, 9.	2.8	27
15	Genetic factors underlie the association between anxiety, attitudes and performance in mathematics. <i>Translational Psychiatry</i> , 2020, 10, 12.	4.8	20
16	Alpha Band Resting-State EEG Connectivity Is Associated With Non-verbal Intelligence. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 10.	2.0	17
17	Personality, Behavioral strengths and difficulties and performance of adolescents with high achievements in science, literature, art and sports. <i>Personality and Individual Differences</i> , 2020, 160, 109917.	2.9	18
18	Visual and Linguistic Stimuli in the Remote Associates Test: A Cross-Cultural Investigation. <i>Frontiers in Psychology</i> , 2019, 10, 926.	2.1	15

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19	Dysfunctional beliefs about sleep and insomnia symptoms in early adulthood: A twin and sibling study. <i>Journal of Sleep Research</i> , 2019, 28, e12834.	3.2	10
20	Associations between pre-sleep arousal and insomnia symptoms in early adulthood: a twin and sibling study. <i>Sleep</i> , 2019, 42, .	1.1	12
21	Predicting maths anxiety from mathematical achievement across the transition from primary to secondary education. <i>Royal Society Open Science</i> , 2019, 6, 191459.	2.4	18
22	To Use or Not to Use: No Consensus on Whether and How to Apply Genetic Information in the Justice System. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2019, 9, 149.	2.1	1
23	Mindfulness and associations with symptoms of insomnia, anxiety and depression in early adulthood: A twin and sibling study. <i>Behaviour Research and Therapy</i> , 2019, 118, 18-29.	3.1	12
24	The nature of the association between number line and mathematical performance: An international twin study. <i>British Journal of Educational Psychology</i> , 2019, 89, 787-803.	2.9	6
25	Probing the architecture of visual number sense with parietal tRNS. <i>Cortex</i> , 2019, 114, 54-66.	2.4	2
26	GENES AND GINI: WHAT INEQUALITY MEANS FOR HERITABILITY. <i>Journal of Biosocial Science</i> , 2019, 51, 18-47.	1.2	25
27	New literacy challenge for the twenty-first century: genetic knowledge is poor even among well educated. <i>Journal of Community Genetics</i> , 2019, 10, 73-84.	1.2	87
28	Early developmental trajectories of number knowledge and math achievement from 4 to 10 years: Low-persistent profile and early-life predictors. <i>Journal of School Psychology</i> , 2018, 68, 84-98.	2.9	35
29	Longitudinal associations between narcissism, mental toughness and school achievement. <i>Personality and Individual Differences</i> , 2018, 131, 105-110.	2.9	42
30	Differences in exam performance between pupils attending selective and non-selective schools mirror the genetic differences between them. <i>Npj Science of Learning</i> , 2018, 3, 3.	2.8	48
31	Hair Trace Element and Electrolyte Content in Women with Natural and In Vitro Fertilization-Induced Pregnancy. <i>Biological Trace Element Research</i> , 2018, 181, 1-9.	3.5	11
32	Prenatal testosterone does not explain sex differences in spatial ability. <i>Scientific Reports</i> , 2018, 8, 13653.	3.3	11
33	A Mechanistic Study of the Association Between Symbolic Approximate Arithmetic Performance and Basic Number Magnitude Processing Based on Task Difficulty. <i>Frontiers in Psychology</i> , 2018, 9, 1551.	2.1	1
34	Toxicological and nutritional status of trace elements in hair of women with in vitro fertilization (IVF) pregnancy and their 9-month-old children. <i>Reproductive Toxicology</i> , 2018, 82, 50-56.	2.9	5
35	Cognition, emotion, and arithmetic in primary school: A cross-cultural investigation. <i>British Journal of Developmental Psychology</i> , 2018, 36, 255-276.	1.7	16
36	Twin classroom dilemma: To study together or separately?. <i>Developmental Psychology</i> , 2018, 54, 1244-1254.	1.6	11

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37	The Factorial Structure of Spatial Abilities in Russian and Chinese Students. <i>Psychology in Russia: State of the Art</i> , 2018, 11, 96-114.	0.6	13
38	Cognitive and Non-Cognitive Predictors of the Unified State Exam Performance of Students from Schools with Regular and Advanced Mathematical Curricula. <i>Psychology in Russia: State of the Art</i> , 2018, 11, 177-199.	0.6	4
39	From Rare Mutations to Normal Variation: Genetic Association Study of Mathematical, Spatial, and General Cognitive Abilities. <i>Psychology in Russia: State of the Art</i> , 2018, 11, 144-165.	0.6	0
40	The impact of lifestyle factors on age-related differences in hair trace element content in pregnant women in the third trimester [pdf]. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 83-89.	0.3	2
41	The impact of lifestyle factors on age-related differences in hair trace element content in pregnant women in the third trimester. <i>Acta Scientiarum Polonorum, Technologia Alimentaria</i> , 2018, 17, 83-89.	0.3	1
42	Phenotypic and genetic evidence for a unifactorial structure of spatial abilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2777-2782.	7.1	32
43	The genetic and environmental aetiology of spatial, mathematics and general anxiety. <i>Scientific Reports</i> , 2017, 7, 42218.	3.3	46
44	Reading self-perceived ability, enjoyment and achievement: A genetically informative study of their reciprocal links over time.. <i>Developmental Psychology</i> , 2017, 53, 698-712.	1.6	39
45	Persistent Genetic and Family-Wide Environmental Contributions to Early Number Knowledge and Later Achievement in Mathematics. <i>Psychological Science</i> , 2017, 28, 1707-1718.	3.3	7
46	Sex differences in non-verbal and verbal abilities in childhood and adolescence. <i>Intelligence</i> , 2017, 64, 81-88.	3.0	39
47	Predicting educational achievement from DNA. <i>Molecular Psychiatry</i> , 2017, 22, 267-272.	7.9	137
48	Number sense and mathematics: Which, when and how?. <i>Developmental Psychology</i> , 2017, 53, 1924-1939.	1.6	40
49	A relationship between the attitude to an unborn child and the relations between parents in the families with spontaneous and induced pregnancy. <i>Akusherstvo I Ginekologiya (Russian Federation)</i> , 2017, 10_2017, 78-83.	0.3	2
50	Individual Differences in Mathematics Ability. , 2016, , 299-323.		0
51	True grit and genetics: Predicting academic achievement from personality.. <i>Journal of Personality and Social Psychology</i> , 2016, 111, 780-789.	2.8	275
52	Preschool Drawing and School Mathematics: The Nature of the Association. <i>Child Development</i> , 2016, 87, 929-943.	3.0	6
53	A latent profile analysis of math achievement, numerosity, and math anxiety in twins.. <i>Journal of Educational Psychology</i> , 2016, 108, 181-193.	2.9	52
54	From classroom environment to mathematics achievement: The mediating role of self-perceived ability and subject interest. <i>Learning and Individual Differences</i> , 2016, 50, 260-269.	2.7	43

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55	Conclusion: Behavioural Genomics and Education. , 2016, , 269-276.		0
56	Intrinsic Motivation and Achievement in Mathematics in Elementary School: A Longitudinal Investigation of Their Association. Child Development, 2016, 87, 165-175.	3.0	112
57	Rotation is visualisation, 3D is 2D: using a novel measure to investigate the genetics of spatial ability. Scientific Reports, 2016, 6, 30545.	3.3	5
58	Genetics affects choice of academic subjects as well as achievement. Scientific Reports, 2016, 6, 26373.	3.3	24
59	Cognitive and regulatory characteristics and mathematical performance in high school students. Personality and Individual Differences, 2016, 90, 177-186.	2.9	19
60	Siblings' sex is linked to mental rotation performance in males but not females. Intelligence, 2016, 55, 38-43.	3.0	5
61	How Genetics Can Help Education. , 2016, , 1-23.		7
62	Psychological characteristics of women undergoing an IVF treatment. Voprosy Ginekologii, Akusherstva I Perinatologii, 2016, 15, 23-30.	0.3	1
63	Studying Rare Genetic Syndromes as a Method of Investigating Aetiology of Normal Variation in Educationally Relevant Traits. , 2016, , 77-95.		1
64	Pleiotropy across academic subjects at the end of compulsory education. Scientific Reports, 2015, 5, 11713.	3.3	46
65	What Can the Study of Genetics Offer to Educators?. Mind, Brain, and Education, 2015, 9, 72-80.	1.9	16
66	Why children differ in motivation to learn: Insights from over 13,000 twins from 6 countries. Personality and Individual Differences, 2015, 80, 51-63.	2.9	67
67	Spatial complexity of character-based writing systems and arithmetic in primary school: a longitudinal study. Frontiers in Psychology, 2015, 6, 333.	2.1	12
68	Is Math Anxiety Always Bad for Math Learning? The Role of Math Motivation. Psychological Science, 2015, 26, 1863-1876.	3.3	130
69	Cross-cultural investigation into cognitive underpinnings of individual differences in early arithmetic. Developmental Science, 2015, 18, 165-174.	2.4	56
70	Who is afraid of math? Two sources of genetic variance for mathematical anxiety. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2014, 55, 1056-1064.	5.2	129
71	Evidence for shared genetic risk between ADHD symptoms and reduced mathematics ability: a twin study. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2014, 55, 39-48.	5.2	51
72	The high heritability of educational achievement reflects many genetically influenced traits, not just intelligence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15273-15278.	7.1	246

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73	Why do spatial abilities predict mathematical performance?. <i>Developmental Science</i> , 2014, 17, 462-470.	2.4	67
74	The correlation between reading and mathematics ability at age twelve has a substantial genetic component. <i>Nature Communications</i> , 2014, 5, 4204.	12.8	72
75	Etiological distinction of working memory components in relation to mathematics. <i>Intelligence</i> , 2014, 47, 54-62.	3.0	8
76	Why do we differ in number sense? Evidence from a genetically sensitive investigation. <i>Intelligence</i> , 2014, 43, 35-46.	3.0	44
77	Understanding Neurocognitive Developmental Disorders Can Improve Education for All. <i>Science</i> , 2013, 340, 300-305.	12.6	136
78	The Etiology of Individual Differences in Maths beyond IQ: Insights from 12-year Old Twins. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 86, 429-434.	0.5	5
79	Understanding the science-learning environment: A genetically sensitive approach. <i>Learning and Individual Differences</i> , 2013, 23, 145-150.	2.7	11
80	The Russian School Twin Registry (RSTR): Project PROGRESS. <i>Twin Research and Human Genetics</i> , 2013, 16, 126-133.	0.6	6
81	Literacy and Numeracy Are More Heritable Than Intelligence in Primary School. <i>Psychological Science</i> , 2013, 24, 2048-2056.	3.3	70
82	The Sri Lankan Twin Registry: 2012 Update. <i>Twin Research and Human Genetics</i> , 2013, 16, 307-312.	0.6	14
83	Mathematics is differentially related to reading comprehension and word decoding: Evidence from a genetically sensitive design.. <i>Journal of Educational Psychology</i> , 2012, 104, 622-635.	2.9	40
84	Genetic and Environmental Etiology of Nicotine Use in Sri Lankan Male Twins. <i>Behavior Genetics</i> , 2012, 42, 798-807.	2.1	6
85	Math Fluency Is Etiologically Distinct From Untimed Math Performance, Decoding Fluency, and Untimed Reading Performance. <i>Journal of Learning Disabilities</i> , 2012, 45, 371-381.	2.2	52
86	Genetics and genomics: good, bad and ugly. , 2012, , 155-173.		4
87	The etiology of mathematical self-evaluation and mathematics achievement: Understanding the relationship using a cross-lagged twin study from ages 9 to 12. <i>Learning and Individual Differences</i> , 2011, 21, 710-718.	2.7	41
88	Gene-Environment Interaction in the Etiology of Mathematical Ability Using SNP Sets. <i>Behavior Genetics</i> , 2011, 41, 141-154.	2.1	31
89	Genetic and Environmental Contributions to the Overlap Between Psychological, Fatigue and Somatic Symptoms: A Twin Study in Sri Lanka. <i>Twin Research and Human Genetics</i> , 2011, 14, 53-63.	0.6	20
90	Aetiology of fatigue in Sri Lanka and its overlap with depression. <i>British Journal of Psychiatry</i> , 2010, 197, 106-113.	2.8	21

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91	Epidemiology and symptomatology of depression in Sri Lanka: A cross-sectional population-based survey in Colombo District. <i>Journal of Affective Disorders</i> , 2010, 123, 188-196.	4.1	53
92	Generalist genes analysis of DNA markers associated with mathematical ability and disability reveals shared influence across ages and abilities. <i>BMC Genetics</i> , 2010, 11, 61.	2.7	15
93	Environmental exposures and their genetic or environmental contribution to depression and fatigue: a twin study in Sri Lanka. <i>BMC Psychiatry</i> , 2010, 10, 13.	2.6	10
94	A genome-wide association study identifies multiple loci associated with mathematics ability and disability. <i>Genes, Brain and Behavior</i> , 2010, 9, 234-247.	2.2	100
95	The heritability of general cognitive ability increases linearly from childhood to young adulthood. <i>Molecular Psychiatry</i> , 2010, 15, 1112-1120.	7.9	492
96	The Genetic and Environmental Etiology of High Math Performance in 10-Year-Old Twins. <i>Behavior Genetics</i> , 2009, 39, 371-379.	2.1	23
97	Generalist genes and learning disabilities: a multivariate genetic analysis of low performance in reading, mathematics, language and general cognitive ability in a sample of 8000 12-year-old twins. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2009, 50, 1318-1325.	5.2	64
98	More Than Just IQ. <i>Psychological Science</i> , 2009, 20, 753-762.	3.3	82
99	Genetic and environmental contributions to depression in Sri Lanka. <i>British Journal of Psychiatry</i> , 2009, 195, 504-509.	2.8	21
100	Brain Correlates of Non-Symbolic Numerosity Estimation in Low and High Mathematical Ability Children. <i>PLoS ONE</i> , 2009, 4, e4587.	2.5	36
101	Colombo Twin and Singleton Study (CoTASS): A description of a population based twin study of mental disorders in Sri Lanka. <i>BMC Psychiatry</i> , 2008, 8, 49.	2.6	33
102	Generalist genes and the Internet generation: etiology of learning abilities by web testing at age 10. <i>Genes, Brain and Behavior</i> , 2008, 7, 455-462.	2.2	37
103	Science in elementary school: Generalist genes and school environments. <i>Intelligence</i> , 2008, 36, 694-701.	3.0	20
104	Quantitative ultrasound of bone and calcium intake in suburban males in Sri Lanka. <i>International Journal of Rheumatic Diseases</i> , 2008, 11, 407-413.	1.9	2
105	Internet Cognitive Testing of Large Samples Needed in Genetic Research. <i>Twin Research and Human Genetics</i> , 2007, 10, 554-563.	0.6	138
106	I. INTRODUCTION. <i>Monographs of the Society for Research in Child Development</i> , 2007, 72, 1-13.	6.8	165
107	Learning Abilities and Disabilities. <i>Current Directions in Psychological Science</i> , 2007, 16, 284-288.	5.3	65
108	Mathematical Ability of 10-Year-Old Boys and Girls. <i>Journal of Learning Disabilities</i> , 2007, 40, 554-567.	2.2	63

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109	Developmental Origins of Low Mathematics Performance and Normal Variation in Twins from 7 to 9 Years. <i>Twin Research and Human Genetics</i> , 2007, 10, 106-117.	0.6	42
110	The origins of diverse domains of mathematics: Generalist genes but specialist environments.. <i>Journal of Educational Psychology</i> , 2007, 99, 128-139.	2.9	28
111	Overlap and specificity of genetic and environmental influences on mathematics and reading disability in 10-year-old twins. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2007, 48, 914-922.	5.2	69
112	Generalist Genes: Genetic Links Between Brain, Mind, and Education. <i>Mind, Brain, and Education</i> , 2007, 1, 11-19.	1.9	59
113	Generalist genes: implications for the cognitive sciences. <i>Trends in Cognitive Sciences</i> , 2006, 10, 198-203.	7.8	256
114	Response to Marcus and Rabagliati â€˜Genes and domain specificityâ€™. <i>Trends in Cognitive Sciences</i> , 2006, 10, 398.	7.8	2
115	Common aetiology for diverse language skills in 4 1/2-year-old twins. <i>Journal of Child Language</i> , 2006, 33, 339-368.	1.2	46
116	Genetic Influences in Different Aspects of Language Development: The Etiology of Language Skills in 4.5-Year-Old Twins. <i>Child Development</i> , 2005, 76, 632-651.	3.0	102
117	â€˜Generalist genesâ€™ and mathematics in 7-year-old twins. <i>Intelligence</i> , 2005, 33, 473-489.	3.0	80
118	Generalist Genes and Learning Disabilities.. <i>Psychological Bulletin</i> , 2005, 131, 592-617.	6.1	498
119	A Twin Study of Teacher-Reported Mathematics Performance and Low Performance in 7-Year-Olds.. <i>Journal of Educational Psychology</i> , 2004, 96, 504-517.	2.9	68
120	Effects Of Education And Media Framing On Genetic Knowledge And Attitudes. , 0, , .		5
121	Creative Storytelling In Childhood Is Related To Exam Performance At Age 16. , 0, , .		3
122	Genetic Literacy And Attitudes Survey (Iglas): International Population-Wide Assessment Instrument. , 0, , .		8
123	Early Predictors Of Creative Writing At Age 9. , 0, , .		1