Sergey B Malykh

List of Publications by Year
in descending order

95 papers	880 citations	759233 12 h-index	552781 26 g-index
98 all docs	98 docs citations	98 times ranked	1059 citing authors

#	Article	IF	Citations
1	The role of the KIBRA and APOE genes in developing spatial abilities in humans. Vavilovskii Zhurnal Genetiki I Selektsii, 2022, 25, 839-846.	1.1	6
2	Assessing the Relationship between Verbal and Nonverbal Cognitive Abilities Using Resting-State EEG Functional Connectivity. Brain Sciences, 2021, 11, 94.	2.3	1
3	Developmental Changes in ANS Precision Across Grades 1â€"9: Different Patterns of Accuracy and Reaction Time. Frontiers in Psychology, 2021, 12, 589305.	2.1	3
4	Isolated Sandbox Environment Architecture for Running Cognitive Psychological Experiments in Web Platforms. Future Internet, 2021, 13, 245.	3.8	1
5	Evaluation of User Reactions and Verification of the Authenticity of the Userâ€™s Identity during a Long Web Survey. Applied Sciences (Switzerland), 2021, 11, 11034.	2.5	2
6	Genetic Mechanisms of Cognitive Development. Russian Journal of Genetics, 2020, 56, 891-902.	0.6	2
7	Predicting Academic Achievement with Cognitive Abilities: Cross-Sectional Study across School Education. Behavioral Sciences (Basel, Switzerland), 2020, 10, 158.	2.1	39
8	Digital Psychological Platform for Mass Web-Surveys. Data, 2020, 5, 95.	2.3	11
9	Stress-Associated Cognitive Functioning Is Controlled by Variations in Synaptic Plasticity Genes. Russian Journal of Genetics, 2020, 56, 88-95.	0.6	6
10	P.122 The involvement of hypothalamic-pituitary-adrenal and monoaminergic systems genes in developing aggressive behaviour. European Neuropsychopharmacology, 2020, 31, S16-S17.	0.7	0
11	Alpha Band Resting-State EEG Connectivity Is Associated With Non-verbal Intelligence. Frontiers in Human Neuroscience, 2020, 14, 10.	2.0	17
12	Domain-general cognitive functions fully explained growth in nonsymbolic magnitude representation but not in symbolic representation in elementary school children. PLoS ONE, 2020, 15, e0228960.	2.5	6
13	Cognitive Predictors of Success in Learning Russian Among Native Speakers of High School Age in Different Educational Systems. Psychology in Russia: State of the Art, 2020, 13, 2-15.	0.6	6
14	Longitudinal genetic studies of cognitive characteristics. Vavilovskii Zhurnal Genetiki I Selektsii, 2020, 24, 87-95.	1.1	10
15	Trajectories in development of information processing speed across primary school years: longitudinal study. Psikhologicheskii Zhurnal, 2020, 41, 26-38.	0.2	5
16	Cognitive and Regulatory Predictors of Success in General Ability Tests in Preschool Years. Sibirskiy Psikhologicheskiy Zhurnal, 2020, , 97-114.	0.5	1
17	Ð˜ÑÑ Ð»ÐµÐ´Ð¾Ð²Ð°Ð½Ð¸ÑÑ‚Ñ€ÑƒÐºÑ‚ÑƒÑ€Ñ‹Ñ… Ñ…Ð°Ñ€Ð°ÐºÑ‚ÐµÑ€Ð¸ÑÑ‚Ð¸Ðº Ð¼Ð¾Ð·Ð³Ð° Ð² Ð¿ÑÐ¸…Ð¾Ð³ÐµÐ½		
18	The Role of Oxytocin Receptor (OXTR) Gene Polymorphisms in the Development of Aggressive Behavior in Healthy Individuals. Russian Journal of Genetics, 2020, 56, 1129-1138.	0.6	4

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19	Molecular Genetic Studies of Cognitive Ability. Russian Journal of Genetics, 2019, 55, 783-793.	0.6	0
20	Epigenetics of Aggressive Behavior. Russian Journal of Genetics, 2019, 55, 1051-1060.	0.6	6
21	Development of approximate number sense across the elementary school years: A cross‐cultural longitudinal study. Developmental Science, 2019, 22, e12823.	2.4	8
22	The Relationship Between Non-symbolic and Symbolic Numerosity Representations in Elementary School: The Role of Intelligence. Frontiers in Psychology, 2019, 10, 2724.	2.1	10
23	The nature of the association between number line and mathematical performance: An international twin study. British Journal of Educational Psychology, 2019, 89, 787-803.	2.9	6
24	Analysis of Software Tools for Longitudinal Studies in Psychology. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.7	3
25	Genetic basis of depressive disorders. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 465-472.	1.1	7
26	Study of Cross-Platform Technologies for Data Delivery in Regional Web Surveys in the Education. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.7	0
27	Epigenetics of suicidal behavior. Vavilovskii Zhurnal Genetiki I Selektsii, 2019, 23, 600-607.	1.1	0
28	Cognitive Characteristics in Primary School Children with Different Levels of Mathematical Achievement. Sibirskiy Psikhologicheskiy Zhurnal, 2019, , 159-175.	0.5	2
29	Polygenic risk score models based on anxiety-related traits as endophenotypes to predict unipolar depression and suicidal behavior. V M Bekhterev Review of Psychiatry and Medical Psychology, 2019, , 82-83.	0.4	0
30	Children's perception of parental attitudes: Russia-Kyrgyzstan cross-cultural study. ITM Web of Conferences, 2018, 18, 04007.	0.5	0
31	Does symbolic and non-symbolic estimation ability predict mathematical achievement across primary school years?. ITM Web of Conferences, 2018, 18, 04006.	0.5	1
32	Cognition, emotion, and arithmetic in primary school: A cross‐cultural investigation. British Journal of Developmental Psychology, 2018, 36, 255-276.	1.7	16
33	Twin classroom dilemma: To study together or separately?. Developmental Psychology, 2018, 54, 1244-1254.	1.6	11
34	Programming Technologies for the Development of Web-Based Platform for Digital Psychological Tools. International Journal of Advanced Computer Science and Applications, 2018, 9, .	0.7	6
35	Recent advances in genetics of aggressive behavior. Vavilovskii Zhurnal Genetiki I Selektsii, 2018, 22, 716-725.	1.1	3
36	Comparing Spatial Ability of Male and Female Students Completing Humanities vs. Technical Degrees. Psychology in Russia: State of the Art, 2018, 11, 37-49.	0.6	6

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37	The Role of Mathematical and Trait Anxiety in Mental Fatigue: an EEG Investigation. Psychology in Russia: State of the Art, 2018, 11, 79-95.	0.6	1
38	The sense of number and success in teaching mathematics at primary school age: a cross-longitudinal analysis. Psikhologicheskii Zhurnal, 2018, 39, 47-58.	0.2	1
39	The role of Personality Traits and Intelligence in Academic Achievement of Russian High School Students. Procedia, Social and Behavioral Sciences, 2017, 237, 1304-1309.	0.5	8
40	Cognitive Predictors of Success in Learning Russian in Native and Non-native Speakers at High School Age. Procedia, Social and Behavioral Sciences, 2017, 237, 1236-1241.	0.5	2
41	Spatial Thinking and Memory in Russian High School Students with Different Levels of Mathematical Fluency. Procedia, Social and Behavioral Sciences, 2017, 237, 1260-1264.	0.5	6
42	A Cross-lag Analysis of Longitudinal Associations between Non-verbal Intelligence and Math Achievement. ITM Web of Conferences, 2017, 10, 02007.	0.5	3
43	Psychometric Properties of the Big Five - Children Questionnaire, Russian Version. ITM Web of Conferences, 2017, 10, 03004.	0.5	1
44	Number sense and mathematics: Which, when and how?. Developmental Psychology, 2017, 53, 1924-1939.	1.6	40
45	Mathematical fluency in high school students. Psychology in Russia: State of the Art, 2017, 10, 95-104.	0.6	5
46	The nature of the relationships between personality and cognitive characteristics. SHS Web of Conferences, 2016, 29, 02043.	0.2	1
47	The relationship between non-verbal intelligence and mathematical achievement in high school students. SHS Web of Conferences, 2016, 29, 02039.	0.2	4
48	Preschool Drawing and School Mathematics: The Nature of the Association. Child Development, 2016, 87, 929-943.	3.0	6
49	THE CORRELATION BETWEEN <i>g</i> LOADINGS AND HERITABILITY IN RUSSIA. Journal of Biosocial Science, 2016, 48, 833-843.	1.2	8
50	Genetic and environmental sources of individual differences in non-verbal intelligence in Russian adolescents. SHS Web of Conferences, 2016, 29, 02026.	0.2	1
51	Computerized tools in psychology: cross cultural and genetically informative studies of memory. ITM Web of Conferences, 2016, 6, 03005.	0.5	2
52	Molecular Genetic Investigations of Personality: From Candidate Genes to Genome-wide Associations. , 2016, , 130-154.		1
53	Conclusion: Behavioural Genomics and Education. , 2016, , 269-276.		0
54	Gender differences in the relationships of temperament and behavioral problems in Russian adolescents. Personality and Individual Differences, 2016, 101, 522-523.	2.9	0

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55	The Relationship between Visual Recognition Memory and Intelligence. Procedia, Social and Behavioral Sciences, 2016, 233, 313-317.	0.5	2
56	Structural equation modeling in the genetically informative study of the covariation of intelligence, working memory and planning. ITM Web of Conferences, 2016, 6, 02010.	0.5	3
57	Siblings' sex is linked to mental rotation performance in males but not females. Intelligence, 2016, 55, 38-43.	3.0	5
58	How Genetics Can Help Education. , 2016, , 1-23.		7
59	Studying Rare Genetic Syndromes as a Method of Investigating Aetiology of Normal Variation in Educationally Relevant Traits. , 2016, , 77-95.		1
60	Genetically Informative Investigations of Neurophysiological Traits. , 2016, , 231-268.		0
61	Syndromes of collateral-reported psychopathology for ages 18-59 in 18 Societies. International Journal of Clinical and Health Psychology, 2015, 15, 18-28.	5.1	21
62	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
63	Syndromes of Self-Reported Psychopathology for Ages 18â€"59 in 29 Societies. Journal of Psychopathology and Behavioral Assessment, 2015, 37, 171-183.	1.2	57
64	Spatial complexity of character-based writing systems and arithmetic in primary school: a longitudinal study. Frontiers in Psychology, 2015, 6, 333.	2.1	12
65	Brain derived neurotrophic factor gene (BDNF) and personality traits: The modifying effect of season of birth and sex. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 56, 58-65.	4.8	11
66	Crossâ€"cultural investigation into cognitive underpinnings of individual differences in early arithmetic. Developmental Science, 2015, 18, 165-174.	2.4	56
67	Cognitive predictors of success in learning Russian. Psychology in Russia: State of the Art, 2015, 8, 91-100.	0.6	7
68	The Linkage between Stressful Life Events, Emotional Intelligence, Cognitive Errors and Depressiveness in Adolescents. Procedia, Social and Behavioral Sciences, 2014, 146, 105-111.	0.5	3
69	Cross-cultural Study of Working Memory in Adolescents. Procedia, Social and Behavioral Sciences, 2014, 146, 353-357.	0.5	7
70	Why do spatial abilities predict mathematical performance?. Developmental Science, 2014, 17, 462-470.	2.4	67
71	Arginine-vasopressin receptor gene (AVPR1A, AVPR1B) polymorphisms and their relation to personality traits. Russian Journal of Genetics, 2014, 50, 298-307.	0.6	5
72	Why do we differ in number sense? Evidence from a genetically sensitive investigation. Intelligence, 2014, 43, 35-46.	3.0	44

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73	P.1.020 The role of tachykinin receptor 1 gene (TACR1), estrogen alpha and oxytocin receptor genes (ESR1, OXTR) in variation of personality traits. European Neuropsychopharmacology, 2014, 24, S19-S20.	0.7	0
74	Genetic and Environmental Factors in Individual Differences of Cognitive Abilities in Primary School Children. Procedia, Social and Behavioral Sciences, 2013, 86, 419-422.	0.5	3
75	Genetic and Environmental Influences on the Individual Differences of Temperament in Primary School Children. Procedia, Social and Behavioral Sciences, 2013, 86, 435-440.	0.5	1
76	Depressiveness in Children and Adolescents: A Cross-cultural Study in Russia and Kyrgyzstan. Procedia, Social and Behavioral Sciences, 2013, 86, 53-58.	0.5	0
77	The Etiology of Individual Differences in Maths beyond IQ: Insights from 12-year Old Twins. Procedia, Social and Behavioral Sciences, 2013, 86, 429-434.	0.5	5
78	The Russian School Twin Registry (RSTR): Project PROGRESS. Twin Research and Human Genetics, 2013, 16, 126-133.	0.6	6
79	Literacy and Numeracy Are More Heritable Than Intelligence in Primary School. Psychological Science, 2013, 24, 2048-2056.	3.3	70
80	Individual Differences in Learning Capabilities: Opportunities and Prospects of Behavioral Genetic Research. Voprosy Obrazovaniya, 2012, , 186-199.	1.2	1
81	Nature of Individual Difference in Liability to Depression in Russian Adolescents. Psychology in Russia: State of the Art, 2012, 5, 133.	0.6	0
82	The role of dopamine transporter (SLC6A3) and dopamine D2 receptor/ankyrin repeat and kinase domain containing 1 (DRD2/ANKK1) gene polymorphisms in personality traits. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2011, 35, 1033-1040.	4.8	38
83	Perception of Family Environment with Russian Adolescent Twins: Possible Genotype-Environment Correlation. Psychology in Russia: State of the Art, 2010, 3, 412.	0.6	3
84	Role of dopamine transporter gene (DAT1) polymorphisms in personality traits variation. Russian Journal of Genetics, 2009, 45, 974-980.	0.6	7
85	Polymorphisms of the serotonin transporter gene (5-HTTLPR, A/G SNP in 5-HTTLPR, and STin2 VNTR) and their relation to personality traits in healthy individuals from Russia. Psychiatric Genetics, 2008, 18, 167-176.	1.1	33
86	Genetic analysis of IQ in young adulthood: a Russian twin study. Personality and Individual Differences, 2005, 38, 1475-1485.	2.9	10
87	School Psychological Services in Moscow. School Psychology International, 2005, 26, 259-274.	1.9	4
88	Heritability and "environmentability" of electroencephalogram in infants: The twin study. Psychophysiology, 2003, 40, 727-741.	2.4	20
89	Longitudinal Genetic Analysis of Childhood IQ in 6- and 7-year-old Russian Twins. Twin Research and Human Genetics, 2003, 6, 285-291.	1.0	5
90	Longitudinal Genetic Analysis of Childhood IQ in 6- and 7-year-old Russian Twins. Twin Research and Human Genetics, 2003, 6, 285-291.	1.0	0

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91	Cognitive Predictors Of Academic Achievement At High School Age: Cross-Cultural Study. , 0, , .		1
92	Adaptation Of The Russian-Language Version Of Children's Report Of Parental Behavior Inventory. , 0, , .		1
93	Cross-Cultural Study Of Mother-Child Interactions And Child's Intelligence. , 0, , .		0
94	Assessment Of Success In Learning Mathematics: Cross-Cultural Analysis. , 0, , .		0
95	Maths Anxiety Does Not Moderate The Link Between Spatial And Maths Ability. , 0, , .		1