Elliot M Tucker-Drob

List of Publications by Year
in descending order

148	11,125	38660 50	45213 90
papers	citations	h-index	g-index

191	191	191	12896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genomic Relationships, Novel Loci, and Pleiotropic Mechanisms across Eight Psychiatric Disorders. Cell, 2019, 179, 1469-1482.e11.	13.5	935
2	Genomic structural equation modelling provides insights into the multivariate genetic architecture of complex traits. Nature Human Behaviour, 2019, 3, 513-525.	6.2	511
3	Education and Cognitive Functioning Across the Life Span. Psychological Science in the Public Interest: A Journal of the American Psychological Society, 2020, 21, 6-41.	6.7	397
4	How Much Does Education Improve Intelligence? A Meta-Analysis. Psychological Science, 2018, 29, 1358-1369.	1.8	387
5	Ageing and brain white matter structure in 3,513 UK Biobank participants. Nature Communications, 2016, 7, 13629.	5.8	373
6	Genetic and environmental continuity in personality development: A meta-analysis.. Psychological Bulletin, 2014, 140, 1303-1331.	5.5	326
7	Individual differences in the development of sensation seeking and impulsivity during adolescence: Further evidence for a dual systems model.. Developmental Psychology, 2011, 47, 739-746.	1.2	259
8	Large Cross-National Differences in Gene Ã— Socioeconomic Status Interaction on Intelligence. Psychological Science, 2016, 27, 138-149.	1.8	253
9	Differentiation of cognitive abilities across the life span.. Developmental Psychology, 2009, 45, 1097-1118.	1.2	230
10	The cognitive reserve hypothesis: A longitudinal examination of age-associated declines in reasoning and processing speed.. Developmental Psychology, 2009, 45, 431-446.	1.2	221
11	Genetic and Environmental Influences on Cognition Across Development and Context. Current Directions in Psychological Science, 2013, 22, 349-355.	2.8	213
12	Avoiding dynastic, assortative mating, and population stratification biases in Mendelian randomization through within-family analyses. Nature Communications, 2020, 11, 3519.	5.8	213
13	Associations between vascular risk factors and brain MRI indices in UK Biobank. European Heart Journal, 2019, 40, 2290-2300.	1.0	204
14	Genetic and environmental effects on body mass index from infancy to the onset of adulthood: an individual-based pooled analysis of 45 twin cohorts participating in the COllaborative project of Development of Anthropometrical measures in Twins (CODATwins) study. American Journal of Clinical Nutrition, 2016, 104, 371-379.	2.2	175
15	Continuity of genetic and environmental influences on cognition across the life span: A meta-analysis of longitudinal twin and adoption studies.. Psychological Bulletin, 2014, 140, 949-979.	5.5	163
16	Emergence of a Gene Ã— Socioeconomic Status Interaction on Infant Mental Ability Between 10 Months and 2 Years. Psychological Science, 2011, 22, 125-133.	1.8	153
17	Explaining the Increasing Heritability of Cognitive Ability Across Development. Psychological Science, 2013, 24, 1704-1713.	1.8	146
18	Investigating the genetic architecture of noncognitive skills using GWAS-by-subtraction. Nature Genetics, 2021, 53, 35-44.	9.4	145

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19	Neurocognitive functions and everyday functions change together in old age.. Neuropsychology, 2011, 25, 368-377.	1.0	143
20	Within-sibship genome-wide association analyses decrease bias in estimates of direct genetic effects. Nature Genetics, 2022, 54, 581-592.	9.4	142
21	Multivariate analysis of 1.5 million people identifies genetic associations with traits related to self-regulation and addiction. Nature Neuroscience, 2021, 24, 1367-1376.	7.1	137
22	Genetic and environmental influences on height from infancy to early adulthood: An individual-based pooled analysis of 45 twin cohorts. Scientific Reports, 2016, 6, 28496.	1.6	133
23	Contextual analysis of fluid intelligence. Intelligence, 2008, 36, 464-486.	1.6	129
24	Structural brain imaging correlates of general intelligence in UK Biobank. Intelligence, 2019, 76, 101376.	1.6	119
25	Global and domain-specific changes in cognition throughout adulthood.. Developmental Psychology, 2011, 47, 331-343.	1.2	117
26	Predictors of ageing-related decline across multiple cognitive functions. Intelligence, 2016, 59, 115-126.	1.6	112
27	Coupled cognitive changes in adulthood: A meta-analysis.. Psychological Bulletin, 2019, 145, 273-301.	5.5	111
28	Genetically-mediated associations between measures of childhood character and academic achievement.. Journal of Personality and Social Psychology, 2016, 111, 790-815.	2.6	110
29	Genetic architecture of 11 major psychiatric disorders at biobehavioral, functional genomic and molecular genetic levels of analysis. Nature Genetics, 2022, 54, 548-559.	9.4	101
30	Genes Unite Executive Functions in Childhood. Psychological Science, 2015, 26, 1151-1163.	1.8	99
31	Implications of short-term retest effects for the interpretation of longitudinal change.. Neuropsychology, 2008, 22, 800-811.	1.0	98
32	Coupled Changes in Brain White Matter Microstructure and Fluid Intelligence in Later Life. Journal of Neuroscience, 2015, 35, 8672-8682.	1.7	97
33	Cognitive Aging and Dementia: A Life-Span Perspective. Annual Review of Developmental Psychology, 2019, 1, 177-196.	1.4	94
34	Genetically influenced change in sensation seeking drives the rise of delinquent behavior during adolescence. Developmental Science, 2012, 15, 150-163.	1.3	91
35	The effect of network thresholding and weighting on structural brain networks in the UK Biobank. NeuroImage, 2020, 211, 116443.	2.1	88
36	Life satisfaction across adulthood: different determinants at different ages?. Journal of Positive Psychology, 2008, 3, 153-164.	2.6	82

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37	Early childhood cognitive development and parental cognitive stimulation: evidence for reciprocal geneâ€“environment transactions. Developmental Science, 2012, 15, 250-259.	1.3	82
38	Adult age trends in the relations among cognitive abilities.. Psychology and Aging, 2008, 23, 453-460.	1.4	79
39	Comparing the Developmental Genetics of Cognition and Personality over the Life Span. Journal of Personality, 2017, 85, 51-64.	1.8	75
40	â€œSame but differentâ€ Associations between multiple aspects of self-regulation, cognition, and academic abilities.. Journal of Personality and Social Psychology, 2019, 117, 1164-1188.	2.6	73
41	The genetics of music accomplishment: Evidence for geneâ€“environment correlation and interaction. Psychonomic Bulletin and Review, 2015, 22, 112-120.	1.4	68
42	Early Shared Reading, Socioeconomic Status, and Childrenâ€™s Cognitive and School Competencies: Six Years of Longitudinal Evidence. Scientific Studies of Reading, 2018, 22, 485-502.	1.3	68
43	Strong genetic overlap between executive functions and intelligence.. Journal of Experimental Psychology: General, 2016, 145, 1141-1159.	1.5	67
44	PersonÃ—environment interactions on adolescent delinquency: Sensation seeking, peer deviance and parental monitoring. Personality and Individual Differences, 2015, 76, 129-134.	1.6	66
45	Childrenâ€™s head motion during fMRI tasks is heritable and stable over time. Developmental Cognitive Neuroscience, 2017, 25, 58-68.	1.9	66
46	The Texas Twin Project. Twin Research and Human Genetics, 2013, 16, 385-390.	0.3	64
47	A general dimension of genetic sharing across diverse cognitive traits inferred from molecular data. Nature Human Behaviour, 2021, 5, 49-58.	6.2	64
48	Resource profile and user guide of the Polygenic Index Repository. Nature Human Behaviour, 2021, 5, 1744-1758.	6.2	63
49	Structure and correlates of cognitive aging in a narrow age cohort.. Psychology and Aging, 2014, 29, 236-249.	1.4	62
50	Intellectual Interest Mediates Geneâ€ƒÃ—â€ƒSocioeconomic Status Interaction on Adolescent Academic Achievement. Child Development, 2012, 83, 743-757.	1.7	61
51	Sensation seeking and impulsive traits as personality endophenotypes for antisocial behavior: Evidence from two independent samples. Personality and Individual Differences, 2017, 105, 30-39.	1.6	59
52	Socioeconomic Disadvantage and the Pace of Biological Aging in Children. Pediatrics, 2021, 147, .	1.0	59
53	Preschools Reduce Early Academic-Achievement Gaps. Psychological Science, 2012, 23, 310-319.	1.8	57
54	The CODATwins Project: The Cohort Description of Collaborative Project of Development of Anthropometrical Measures in Twins to Study Macro-Environmental Variation in Genetic and Environmental Effects on Anthropometric Traits. Twin Research and Human Genetics, 2015, 18, 348-360.	0.3	55

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55	Beyond dual systems: A genetically-informed, latent factor model of behavioral and self-report measures related to adolescent risk-taking. Developmental Cognitive Neuroscience, 2017, 25, 221-234.	1.9	55
56	Longitudinal changes in reading network connectivity related to skill improvement. NeuroImage, 2017, 158, 90-98.	2.1	54
57	Hair and Salivary Testosterone, Hair Cortisol, and Externalizing Behaviors in Adolescents. Psychological Science, 2018, 29, 688-699.	1.8	53
58	Genetic associations with mathematics tracking and persistence in secondary school. Npj Science of Learning, 2020, 5, 1.	1.5	53
59	The neural architecture of executive functions is established by middle childhood. NeuroImage, 2019, 185, 479-489.	2.1	50
60	Genetic Associations Between Executive Functions and a General Factor of Psychopathology. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 749-758.	0.3	50
61	Developmental differences in reward sensitivity and sensation seeking in adolescence: Testing sex-specific associations with gonadal hormones and pubertal development.. Journal of Personality and Social Psychology, 2018, 115, 161-178.	2.6	49
62	Shared and unique genetic and environmental influences on aging-related changes in multiple cognitive abilities.. Developmental Psychology, 2014, 50, 152-166.	1.2	48
63	Child characteristics and parental educational expectations: Evidence for transmission with transaction.. Developmental Psychology, 2014, 50, 2614-2632.	1.2	44
64	Accounting for the shared environment in cognitive abilities and academic achievement with measured socioecological contexts. Developmental Science, 2019, 22, e12699.	1.3	42
65	Genome and epigenome wide studies of neurological protein biomarkers in the Lothian Birth Cohort 1936. Nature Communications, 2019, 10, 3160.	5.8	42
66	Neurology-related protein biomarkers are associated with cognitive ability and brain volume in older age. Nature Communications, 2020, 11, 800.	5.8	42
67	METHODS AND MEASURES: Confirmatory Factor Analysis and Multidimensional Scaling for Construct Validation of Cognitive Abilities. International Journal of Behavioral Development, 2009, 33, 277-285.	1.3	41
68	Risk and protective factors for structural brain ageing in the eighth decade of life. Brain Structure and Function, 2017, 222, 3477-3490.	1.2	40
69	Learning motivation mediates gene-by-socioeconomic status interaction on mathematics achievement in early childhood. Learning and Individual Differences, 2012, 22, 37-45.	1.5	39
70	Achievement-relevant personality: Relations with the Big Five and validation of an efficient instrument. Learning and Individual Differences, 2014, 32, 26-39.	1.5	37
71	Gendered Expectations Distort Maleâ€“Female Differences in Instrumental Activities of Daily Living in Later Adulthood. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2019, 74, 715-723.	2.4	37
72	Developmental transformations in the structure of executive functions. Journal of Experimental Child Psychology, 2020, 189, 104681.	0.7	37

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73	Epigenetic scores for the circulating proteome as tools for disease prediction. ELife, 2022, 11, .	2.8	37
74	Gene-by-Socioeconomic Status Interaction on School Readiness. Behavior Genetics, 2012, 42, 549-558.	1.4	36
75	A strong link between speed of visual discrimination and cognitive ageing. Current Biology, 2014, 24, R681-R683.	1.8	36
76	Nonparametric Estimates of GeneÂÃ—ÂEnvironment Interaction Using Local Structural Equation Modeling. Behavior Genetics, 2015, 45, 581-596.	1.4	35
77	Executive Dysfunctions Across Adulthood: Measurement Properties and Correlates of the DEX Self-Report Questionnaire. Aging, Neuropsychology, and Cognition, 2008, 15, 424-445.	0.7	34
78	How many pathways underlie socioeconomic differences in the development of cognition and achievement?. Learning and Individual Differences, 2013, 25, 12-20.	1.5	34
79	Polygenic risk score for schizophrenia and structural brain connectivity in older age: A longitudinal connectome and tractography study. NeuroImage, 2018, 183, 884-896.	2.1	34
80	Interactions between Polygenic Scores and Environments: Methodological and Conceptual Challenges. Sociological Science, 0, 7, 365-386.	2.0	33
81	Correlated longitudinal changes across linguistic, achievement, and psychomotor domains in early childhood: evidence for a global dimension of development. Developmental Science, 2011, 14, 1245-1254.	1.3	32
82	Multivariate GWAS of psychiatric disorders and their cardinal symptoms reveal two dimensions of cross-cutting genetic liabilities. Cell Genomics, 2022, 2, 100140.	3.0	32
83	Genetic influences on hormonal markers of chronic hypothalamicâ€“pituitaryâ€“adrenal function in human hair. Psychological Medicine, 2017, 47, 1389-1401.	2.7	31
84	Functional Connectivity Fingerprints at Rest Are Similar across Youths and Adults and Vary with Genetic Similarity. IScience, 2020, 23, 100801.	1.9	31
85	Multi-method genome- and epigenome-wide studies of inflammatory protein levels in healthy older adults. Genome Medicine, 2020, 12, 60.	3.6	30
86	Broad Bandwidth or High Fidelity? Evidence from the Structure of Genetic and Environmental Effects on the Facets of the Five Factor Model. Behavior Genetics, 2012, 42, 743-763.	1.4	29
87	Three major dimensions of human brain cortical ageing in relation to cognitive decline across the eighth decade of life. Molecular Psychiatry, 2021, 26, 2651-2662.	4.1	29
88	Interpreting Behavior Genetic Models: Seven Developmental Processes to Understand. Behavior Genetics, 2019, 49, 196-210.	1.4	28
89	Pervasive Downward Bias in Estimates of Liability-Scale Heritability in Genome-wide Association Study Meta-analysis: A Simple Solution. Biological Psychiatry, 2023, 93, 29-36.	0.7	28
90	Individual differences methods for randomized experiments.. Psychological Methods, 2011, 16, 298-318.	2.7	27

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91	Gross Domestic Product, Science Interest, and Science Achievement: A Person Ã— Nation Interaction. Psychological Science, 2014, 25, 2047-2057.	1.8	27
92	Parental Education and Genetics of BMI from Infancy to Old Age: A Pooled Analysis of 29 Twin Cohorts. Obesity, 2019, 27, 855-865.	1.5	27
93	Evidence for a unitary structure of spatial cognition beyond general intelligence. Npj Science of Learning, 2020, 5, 9.	1.5	27
94	A strong dependency between changes in fluid and crystallized abilities in human cognitive aging. Science Advances, 2022, 8, eabj2422.	4.7	27
95	Sensation seeking, peer deviance, and genetic influences on adolescent delinquency: Evidence for person-environment correlation and interaction.. Journal of Abnormal Psychology, 2016, 125, 679-691.	2.0	26
96	Correlates of individual, and age-related, differences in short-term learning. Learning and Individual Differences, 2007, 17, 231-240.	1.5	25
97	Developmental changes in genetic and environmental influences on ruleâ€breaking and aggression: age and pubertal development. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 1370-1379.	3.1	25
98	Genetic and Environmental Associations Between Child Personality and Parenting. Social Psychological and Personality Science, 2019, 10, 711-721.	2.4	25
99	Socioeconomic status modifies interest-knowledge associations among adolescents. Personality and Individual Differences, 2012, 53, 9-15.	1.6	24
100	Zygosity Differences in Height and Body Mass Index of Twins From Infancy to Old Age: A Study of the CODATwins Project. Twin Research and Human Genetics, 2015, 18, 557-570.	0.3	24
101	A behavioral genetic analysis of callous-unemotional traits and Big Five personality in adolescence.. Journal of Abnormal Psychology, 2015, 124, 982-993.	2.0	24
102	Aging-Sensitive Networks Within the Human Structural Connectome Are Implicated in Late-Life Cognitive Declines. Biological Psychiatry, 2021, 89, 795-806.	0.7	23
103	Kids becoming less alike: A behavioral genetic analysis of developmental increases in personality variance from childhood to adolescence.. Journal of Personality and Social Psychology, 2019, 117, 635-658.	2.6	23
104	Do Cognitive and Physical Functions Age in Concert from Age 70 to 76? Evidence from the Lothian Birth Cohort 1936. Spanish Journal of Psychology, 2016, 19, E90.	1.1	22
105	Exploring the Coâ€Development of Reading Fluency and Reading Comprehension: A Twin Study. Child Development, 2017, 88, 934-945.	1.7	22
106	Psychotic-like experiences, polygenic risk scores for schizophrenia, and structural properties of the salience, default mode, and central-executive networks in healthy participants from UK Biobank. Translational Psychiatry, 2020, 10, 122.	2.4	22
107	GenotypeÂÃ—ÂCohort Interaction on Completed Fertility and Age at First Birth. Behavior Genetics, 2015, 45, 71-83.	1.4	21
108	Genetic and Environmental Links Between General Factors of Psychopathology and Cognitive Ability in Early Childhood. Clinical Psychological Science, 2019, 7, 430-444.	2.4	21

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109	Within-person variability in state anxiety across adulthood: Magnitude and associations with between-person characteristics. International Journal of Behavioral Development, 2009, 33, 55-64.	1.3	20
110	Genetic and environmental influences on testosterone in adolescents: Evidence for sex differences. Developmental Psychobiology, 2014, 56, 1278-1289.	0.9	20
111	Genetic factors underlie the association between anxiety, attitudes and performance in mathematics. Translational Psychiatry, 2020, 10, 12.	2.4	20
112	Blood-based epigenome-wide analyses of cognitive abilities. Genome Biology, 2022, 23, 26.	3.8	20
113	Genetic and environmental influences on pubertal hormones in human hair across development. Psychoneuroendocrinology, 2018, 90, 76-84.	1.3	19
114	The CODATwins Project: The Current Status and Recent Findings of COllaborative Project of Development of Anthropometrical Measures in Twins. Twin Research and Human Genetics, 2019, 22, 800-808.	0.3	19
115	Geneâ€byâ€preschool interaction on the development of early externalizing problems. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2013, 54, 77-85.	3.1	18
116	Genetic overlap between executive functions and BMI in childhood. American Journal of Clinical Nutrition, 2019, 110, 814-822.	2.2	17
117	Genetic and environmental influences on human height from infancy through adulthood at different levels of parental education. Scientific Reports, 2020, 10, 7974.	1.6	17
118	Genetic and environmental influences on internalizing psychopathology across age and pubertal development.. Developmental Psychology, 2018, 54, 1928-1939.	1.2	16
119	From specialist to generalist: Developmental transformations in the genetic structure of early child abilities. Developmental Psychobiology, 2015, 57, 566-583.	0.9	15
120	Personality risk for antisocial behavior: Testing the intersections between callousâ€“unemotional traits, sensation seeking, and impulse control in adolescence. Development and Psychopathology, 2018, 30, 267-282.	1.4	15
121	Adolescent Big Five personality and pubertal development: Pubertal hormone concentrations and self-reported pubertal status.. Developmental Psychology, 2021, 57, 60-72.	1.2	15
122	Niche Diversity Predicts Personality Structure Across 115 Nations. Psychological Science, 2022, 33, 285-298.	1.8	15
123	GeneÃ—Environment Interactions in Early Externalizing Behaviors: Parental Emotional Support and Socioeconomic Context as Moderators of Genetic Influences?. Behavior Genetics, 2014, 44, 468-486.	1.4	13
124	Combining Nonlinear Biometric and Psychometric Models of Cognitive Abilities. Behavior Genetics, 2009, 39, 461-471.	1.4	12
125	Hormones: Empirical Contribution: Cortisol Reactivity and Recovery in the Context of Adolescent Personality Disorder. Journal of Personality Disorders, 2014, 28, 25-39.	0.8	12
126	Twin models of environmental and genetic influences on pubertal development, salivary testosterone, and estradiol in adolescence. Clinical Endocrinology, 2018, 88, 243-250.	1.2	12

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127	Modeling Interaction and Dispersion Effects in the Analysis of Gene-by-Environment Interaction. Behavior Genetics, 2022, 52, 56-64.	1.4	12
128	Comparison of structural MRI brain measures between 1.5 and 3ÂT: Data from the Lothian Birth Cohort 1936. Human Brain Mapping, 2021, 42, 3905-3921.	1.9	11
129	A Behavioral Genetic Perspective on Non-Cognitive Factors and Academic Achievement. , 0, , 134-158.		10
130	Integrated analysis of direct and proxy genome wide association studies highlights polygenicity of Alzheimerâ€™s disease outside of the APOE region. PLoS Genetics, 2022, 18, e1010208.	1.5	10
131	Genetic and Environmental Influences on Achievement Goal Orientations Shift with Age. European Journal of Personality, 2019, 33, 317-336.	1.9	9
132	Examining relations between performance on nonâ€verbal executive function and verbal selfâ€regulation tasks in demographicallyâ€diverse populations. Developmental Science, 2022, 25, .	1.3	9
133	Multivariate Behavioral Genetic Analysis of Parenting in Early Childhood. Parenting, 2016, 16, 257-283.	1.0	8
134	Education in Twins and Their Parents Across Birth Cohorts Over 100 years: An Individual-Level Pooled Analysis of 42-Twin Cohorts. Twin Research and Human Genetics, 2017, 20, 395-405.	0.3	8
135	Does the heritability of cognitive abilities vary as a function of parental education? Evidence from a German twin sample. PLoS ONE, 2018, 13, e0196597.	1.1	8
136	Weak and uneven associations of home, neighborhood, and school environments with stress hormone output across multiple timescales. Molecular Psychiatry, 2021, 26, 4823-4838.	4.1	8
137	Multivariate analysis of genetic and environmental influences on parenting in adolescence.. Journal of Family Psychology, 2017, 31, 532-541.	1.0	8
138	National Gross Domestic Product, Science Interest, and Science Achievement: A Direct Replication and Extension of the Tucker-Drob, Cheung, and Briley (2014) Study. Psychological Science, 2019, 30, 776-788.	1.8	7
139	Error-signaling in the developing brain. NeuroImage, 2021, 227, 117621.	2.1	7
140	Mothersâ€™ Early Depressive Symptoms and Preschoolersâ€™ Behavioral Problems: The Moderating Role of Genetic Influences. Child Psychiatry and Human Development, 2017, 48, 434-443.	1.1	6
141	Callous-Unemotional Traits Moderate Genetic and Environmental Influences on Rule-Breaking and Aggression: Evidence for Gene Ã— Trait Interaction. Clinical Psychological Science, 2018, 6, 123-133.	2.4	6
142	Testing Cold and Hot Cognitive Control as Moderators of a Network of Comorbid Psychopathology Symptoms in Adolescence. Clinical Psychological Science, 2019, 7, 701-718.	2.4	6
143	The relationship between executive function, processing speed, and attentionâ€deficit hyperactivity disorder in middle childhood. Developmental Science, 2022, 25, e13168.	1.3	5
144	An in-laboratory stressor reveals unique genetic variation in child cortisol output.. Developmental Psychology, 2022, 58, 1832-1848.	1.2	5

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145	White matter, cognition and psychotic-like experiences in UK Biobank. Psychological Medicine, 2023, 53, 2370-2379.	2.7	4
146	Geographic variation in personality is associated with fertility across the United States. Personality Science, 0, 2, .	1.3	4
147	Genetic associations with learning over 100 days of practice. Npj Science of Learning, 2022, 7, 7.	1.5	2
148	Genetic and Environmental Factors of Non-Ability-Based Confidence. Social Psychological and Personality Science, 2022, 13, 734-746.	2.4	0