

Zdenka Pausova

List of Publications by Year in descending order

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Version: 2024-02-01

117
papers

8,554
citations

71102

41
h-index

54911

84
g-index

121
all docs

121
docs citations

121
times ranked

14065
citing authors

#	ARTICLE	IF	CITATIONS
1	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
2	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	21.4	594
3	Correlated gene expression supports synchronous activity in brain networks. <i>Science</i> , 2015, 348, 1241-1244.	12.6	532
4	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
5	GWAS of lifetime cannabis use reveals new risk loci, genetic overlap with psychiatric traits, and a causal effect of schizophrenia liability. <i>Nature Neuroscience</i> , 2018, 21, 1161-1170.	14.8	436
6	Neuropsychosocial profiles of current and future adolescent alcohol misusers. <i>Nature</i> , 2014, 512, 185-189.	27.8	368
7	Growth of White Matter in the Adolescent Brain: Role of Testosterone and Androgen Receptor. <i>Journal of Neuroscience</i> , 2008, 28, 9519-9524.	3.6	292
8	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
9	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. <i>Nature Genetics</i> , 2021, 53, 1311-1321.	21.4	218
10	The structure of psychopathology in adolescence and its common personality and cognitive correlates.. <i>Journal of Abnormal Psychology</i> , 2016, 125, 1039-1052.	1.9	217
11	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
12	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
13	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017, 145, 389-408.	4.2	173
14	Maternal smoking during pregnancy is associated with epigenetic modifications of the brain-derived neurotrophic factorâ€™6 exon in adolescent offspring. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 1350-1354.	1.7	159
15	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. <i>JAMA Psychiatry</i> , 2015, 72, 1002.	11.0	156
16	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017, 101, 888-902.	6.2	154
17	Investigating the possible causal association of smoking with depression and anxiety using Mendelian randomisation meta-analysis: the CARTA consortium. <i>BMJ Open</i> , 2014, 4, e006141.	1.9	150
18	Genes, maternal smoking, and the offspring brain and body during adolescence: Design of the Saguenay Youth Study. <i>Human Brain Mapping</i> , 2007, 28, 502-518.	3.6	113

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19	Intra-abdominal Adiposity and Individual Components of the Metabolic Syndrome in Adolescence. <i>JAMA Pediatrics</i> , 2008, 162, 453.	3.0	102
20	Cell-Specific Gene-Expression Profiles and Cortical Thickness in the Human Brain. <i>Cerebral Cortex</i> , 2018, 28, 3267-3277.	2.9	99
21	Blunted ventral striatal responses to anticipated rewards foreshadow problematic drug use in novelty-seeking adolescents. <i>Nature Communications</i> , 2017, 8, 14140.	12.8	87
22	Obesity, dyslipidemia and brain age in first-episode psychosis. <i>Journal of Psychiatric Research</i> , 2018, 99, 151-158.	3.1	80
23	Cellular correlates of cortical thinning throughout the lifespan. <i>Scientific Reports</i> , 2020, 10, 21803.	3.3	80
24	Measuring and Estimating the Effect Sizes of Copy Number Variants on General Intelligence in Community-Based Samples. <i>JAMA Psychiatry</i> , 2018, 75, 447.	11.0	77
25	Prenatal exposure to nicotine modifies kidney weight and blood pressure in genetically susceptible rats: A case of gene-environment interaction. <i>Kidney International</i> , 2003, 64, 829-835.	5.2	68
26	GLP-1 receptor agonism ameliorates hepatic VLDL overproduction and de novo lipogenesis in insulin resistance. <i>Molecular Metabolism</i> , 2014, 3, 823-833.	6.5	66
27	Functional Variation in the Androgen-Receptor Gene Is Associated With Visceral Adiposity and Blood Pressure in Male Adolescents. <i>Hypertension</i> , 2010, 55, 706-714.	2.7	61
28	Genetic correlations and genome-wide associations of cortical structure in general population samples of 22,824 adults. <i>Nature Communications</i> , 2020, 11, 4796.	12.8	61
29	Genetic variation influencing DNA methylation provides insights into molecular mechanisms regulating genomic function. <i>Nature Genetics</i> , 2022, 54, 18-29.	21.4	60
30	Age- and sex-related variations in vocal-tract morphology and voice acoustics during adolescence. <i>Hormones and Behavior</i> , 2016, 81, 84-96.	2.1	58
31	Glycerophosphocholine Metabolites and Cardiovascular Disease Risk Factors in Adolescents. <i>Circulation</i> , 2016, 134, 1629-1636.	1.6	55
32	Association of Copy Number Variation of the 15q11.2 BP1-BP2 Region With Cortical and Subcortical Morphology and Cognition. <i>JAMA Psychiatry</i> , 2020, 77, 420.	11.0	54
33	Sex Differences in COMT Polymorphism Effects on Prefrontal Inhibitory Control in Adolescence. <i>Neuropsychopharmacology</i> , 2014, 39, 2560-2569.	5.4	53
34	Oxytocin Receptor Genotype Modulates Ventral Striatal Activity to Social Cues and Response to Stressful Life Events. <i>Biological Psychiatry</i> , 2014, 76, 367-376.	1.3	53
35	Neural basis of reward anticipation and its genetic determinants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3879-3884.	7.1	53
36	No Differences in Hippocampal Volume between Carriers and Non-Carriers of the ApoE ϵ 4 and ϵ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 37-43.	2.6	51

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37	Association of a Schizophrenia-Risk Nonsynonymous Variant With Putamen Volume in Adolescents. <i>JAMA Psychiatry</i> , 2019, 76, 435.	11.0	51
38	Sex Differences in the Contributions of Visceral and Total Body Fat to Blood Pressure in Adolescence. <i>Hypertension</i> , 2012, 59, 572-579.	2.7	50
39	Genome-Wide Scan for Loci of Adolescent Obesity and Their Relationship with Blood Pressure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E145-E150.	3.6	50
40	Effect Sizes of Deletions and Duplications on Autism Risk Across the Genome. <i>American Journal of Psychiatry</i> , 2021, 178, 87-98.	7.2	50
41	Structural brain correlates of adolescent resilience. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 1287-1296.	5.2	49
42	Prediction of alcohol drinking in adolescents: Personality-traits, behavior, brain responses, and genetic variations in the context of reward sensitivity. <i>Biological Psychology</i> , 2016, 118, 79-87.	2.2	49
43	Dose response of the 16p11.2 distal copy number variant on intracranial volume and basal ganglia. <i>Molecular Psychiatry</i> , 2020, 25, 584-602.	7.9	49
44	Cohort Profile: The Saguenay Youth Study (SYS). <i>International Journal of Epidemiology</i> , 2017, 46, dyw023.	1.9	47
45	FTO, obesity and the adolescent brain. <i>Human Molecular Genetics</i> , 2013, 22, 1050-1058.	2.9	46
46	The IMAGEN study: a decade of imaging genetics in adolescents. <i>Molecular Psychiatry</i> , 2020, 25, 2648-2671.	7.9	46
47	Estimating volumes of the pituitary gland from T1-weighted magnetic-resonance images: Effects of age, puberty, testosterone, and estradiol. <i>NeuroImage</i> , 2014, 94, 216-221.	4.2	44
48	Genome-wide meta-analysis of macronutrient intake of 91,114 European ancestry participants from the cohorts for heart and aging research in genomic epidemiology consortium. <i>Molecular Psychiatry</i> , 2019, 24, 1920-1932.	7.9	44
49	Sex differences in the adolescent brain and body: Findings from the saguenay youth study. <i>Journal of Neuroscience Research</i> , 2017, 95, 362-370.	2.9	42
50	SARS-CoV-2 Receptor ACE2 Gene Is Associated with Hypertension and Severity of COVID 19: Interaction with Sex, Obesity, and Smoking. <i>American Journal of Hypertension</i> , 2021, 34, 367-376.	2.0	42
51	Personality and Substance Use: Psychometric Evaluation and Validation of the Substance Use Risk Profile Scale (<sc>SURPS</sc>) in English, Irish, French, and German Adolescents. <i>Alcoholism: Clinical and Experimental Research</i> , 2015, 39, 2234-2248.	2.4	41
52	Subthreshold Depression and Regional Brain Volumes in Young Community Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 832-840.	0.5	41
53	Maternal smoking during pregnancy and offspring overweight: is there a dose-response relationship? An individual patient data meta-analysis. <i>International Journal of Obesity</i> , 2018, 42, 1249-1264.	3.4	41
54	Assessment of Neurobiological Mechanisms of Cortical Thinning During Childhood and Adolescence and Their Implications for Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2020, 77, 1127.	11.0	40

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55	Genome-Wide Scan for Linkage to Obesity-Associated Hypertension in French Canadians. <i>Hypertension</i> , 2005, 46, 1280-1285.	2.7	39
56	Virtual histology of multi-modal magnetic resonance imaging of cerebral cortex in young men. <i>NeuroImage</i> , 2020, 218, 116968.	4.2	37
57	A Multi-Cohort Study of ApoE ϵ 4 and Amyloid- β Effects on the Hippocampus in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 1159-1174.	2.6	36
58	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. <i>Molecular Psychiatry</i> , 2021, 26, 3884-3895.	7.9	34
59	Genome-wide analysis of gene dosage in 24,092 individuals estimates that 10,000 genes modulate cognitive ability. <i>Molecular Psychiatry</i> , 2021, 26, 2663-2676.	7.9	33
60	Predictors of Target Organ Damage in Hypertensive Blacks and Whites. <i>Hypertension</i> , 2001, 38, 761-766.	2.7	31
61	DRD2/ANKK1 Polymorphism Modulates the Effect of Ventral Striatal Activation on Working Memory Performance. <i>Neuropsychopharmacology</i> , 2014, 39, 2357-2365.	5.4	31
62	Genome-wide association study of 23,500 individuals identifies 7 loci associated with brain ventricular volume. <i>Nature Communications</i> , 2018, 9, 3945.	12.8	31
63	Puberty and testosterone shape the corticospinal tract during male adolescence. <i>Brain Structure and Function</i> , 2016, 221, 1083-1094.	2.3	30
64	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. <i>Human Brain Mapping</i> , 2022, 43, 300-328.	3.6	30
65	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019, 2, 285.	4.4	27
66	Layered genetic control of DNA methylation and gene expression: a locus of multiple sclerosis in healthy individuals. <i>Human Molecular Genetics</i> , 2015, 24, 5733-5745.	2.9	26
67	Age-Related Changes of Peak Width Skeletonized Mean Diffusivity (PSMD) Across the Adult Lifespan: A Multi-Cohort Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 342.	2.6	26
68	Inter-Regional Variations in Gene Expression and Age-Related Cortical Thinning in the Adolescent Brain. <i>Cerebral Cortex</i> , 2018, 28, 1272-1281.	2.9	25
69	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. <i>PLoS ONE</i> , 2011, 6, e20241.	2.5	24
70	Genome-wide association meta-analysis of age at first cannabis use. <i>Addiction</i> , 2018, 113, 2073-2086.	3.3	24
71	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. <i>Translational Psychiatry</i> , 2021, 11, 182.	4.8	24
72	Effect of prenatal exposure to nicotine on kidney glomerular mass and AT1R expression in genetically diverse strains of rats. <i>Toxicology Letters</i> , 2012, 213, 228-234.	0.8	23

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73	Routine Clinical Measures of Adiposity as Predictors of Visceral Fat in Adolescence: A Population-Based Magnetic Resonance Imaging Study. <i>PLoS ONE</i> , 2013, 8, e79896.	2.5	23
74	The association between resting-state functional magnetic resonance imaging and aortic pulse-wave velocity in healthy adults. <i>Human Brain Mapping</i> , 2020, 41, 2121-2135.	3.6	22
75	Adiposity is associated with structural properties of the adolescent brain. <i>NeuroImage</i> , 2014, 103, 192-201.	4.2	21
76	Income inequality, gene expression, and brain maturation during adolescence. <i>Scientific Reports</i> , 2017, 7, 7397.	3.3	21
77	Prenatal exposure to cigarette smoke interacts with <i>OPRM1</i> to modulate dietary preference for fat. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 38-45.	2.4	20
78	Visceral fat-related systemic inflammation and the adolescent brain: a mediating role of circulating glycerophosphocholines. <i>International Journal of Obesity</i> , 2019, 43, 1223-1230.	3.4	20
79	Smoking in pregnancy, adolescent mental health and cognitive performance in young adult offspring: results from a matched sample within a Finnish cohort. <i>BMC Psychiatry</i> , 2016, 16, 430.	2.6	19
80	Global Genetic Variations Predict Brain Response to Faces. <i>PLoS Genetics</i> , 2014, 10, e1004523.	3.5	18
81	Tract Based Spatial Statistic Reveals No Differences in White Matter Microstructural Organization between Carriers and Non-Carriers of the APOE ϵ 4 and ϵ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 977-984.	2.6	17
82	Circulating Metabolome and White Matter Hyperintensities in Women and Men. <i>Circulation</i> , 2022, 145, 1040-1052.	1.6	17
83	Clustering of the Metabolic Syndrome Components in Adolescence: Role of Visceral Fat. <i>PLoS ONE</i> , 2013, 8, e82368.	2.5	16
84	Global and Regional Development of the Human Cerebral Cortex: Molecular Architecture and Occupational Aptitudes. <i>Cerebral Cortex</i> , 2020, 30, 4121-4139.	2.9	16
85	Neural correlates of three types of negative life events during angry face processing in adolescents. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1961-1969.	3.0	15
86	Adipose Tissue and Modulation of Hypertension. <i>Current Hypertension Reports</i> , 2018, 20, 96.	3.5	14
87	Adiposity and Fat-Free Mass of Children Born with Very Low Birth Weight Do Not Differ in Children Fed Supplemental Donor Milk Compared with Those Fed Preterm Formula. <i>Journal of Nutrition</i> , 2019, 150, 331-339.	2.9	14
88	A variant near DHCR24 associates with microstructural properties of white matter and peripheral lipid metabolism in adolescents. <i>Molecular Psychiatry</i> , 2021, 26, 3795-3805.	7.9	14
89	Randomized parcellation based inference. <i>NeuroImage</i> , 2014, 89, 203-215.	4.2	13
90	Corticosteroids and Regional Variations in Thickness of the Human Cerebral Cortex across the Lifespan. <i>Cerebral Cortex</i> , 2020, 30, 575-586.	2.9	13

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91	Epigenetic clock as a correlate of anxiety. <i>NeuroImage: Clinical</i> , 2020, 28, 102458.	2.7	13
92	Sex continuum in the brain and body during adolescence and psychological traits. <i>Nature Human Behaviour</i> , 2021, 5, 265-272.	12.0	12
93	Novel Genetic Locus of Visceral Fat and Systemic Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3735-3742.	3.6	11
94	Thickness of the cerebral cortex shows positive association with blood levels of triacylglycerols carrying 18-carbon fatty acids. <i>Communications Biology</i> , 2020, 3, 456.	4.4	11
95	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. <i>Biological Psychiatry</i> , 2022, 92, 299-313.	1.3	11
96	High Intakes of [6S]-5-Methyltetrahydrofolic Acid Compared with Folic Acid during Pregnancy Programs Central and Peripheral Mechanisms Favouring Increased Food Intake and Body Weight of Mature Female Offspring. <i>Nutrients</i> , 2021, 13, 1477.	4.1	10
97	Personality, Attentional Biases towards Emotional Faces and Symptoms of Mental Disorders in an Adolescent Sample. <i>PLoS ONE</i> , 2015, 10, e0128271.	2.5	10
98	Adiposity-related insulin resistance and thickness of the cerebral cortex in middle-aged adults. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12921.	2.6	9
99	[6S]-5-Methyltetrahydrofolic Acid and Folic Acid Pregnancy Diets Differentially Program Metabolic Phenotype and Hypothalamic Gene Expression of Wistar Rat Dams Post-Birth. <i>Nutrients</i> , 2021, 13, 48.	4.1	9
100	General Psychopathology, Cognition, and the Cerebral Cortex in 10-Year-Old Children: Insights From the Adolescent Brain Cognitive Development Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 781554.	2.0	9
101	Does skull shape mediate the relationship between objective features and subjective impressions about the face?. <i>NeuroImage</i> , 2013, 79, 234-240.	4.2	8
102	High vitamin A intake during pregnancy modifies dopaminergic reward system and decreases preference for sucrose in Wistar rat offspring. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 104-111.	4.2	8
103	Sex Differences in Blood Pressure Hemodynamics in Middle-Aged Adults With Overweight and Obesity. <i>Hypertension</i> , 2019, 74, 407-412.	2.7	8
104	Associations between Diet Quality and Body Composition in Young Children Born with Very Low Body Weight. <i>Journal of Nutrition</i> , 2020, 150, 2961-2968.	2.9	8
105	Height-based Indices of Pubertal Timing in Male Adolescents. <i>International Journal of Developmental Sciences</i> , 2013, 7, 105-116.	0.5	7
106	CYP17A1 and Blood Pressure Reactivity to Stress in Adolescence. <i>International Journal of Hypertension</i> , 2015, 2015, 1-9.	1.3	6
107	The genetics of testosterone contributes to "femaleness/maleness" of cardiometabolic traits and type 2 diabetes. <i>International Journal of Obesity</i> , 2022, 46, 235-237.	3.4	6
108	Visceral adiposity is associated with metabolic profiles predictive of type 2 diabetes and myocardial infarction. <i>Communications Medicine</i> , 2022, 2, .	4.2	6

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109	Effect modification of <i>FADS2</i> polymorphisms on the association between breastfeeding and intelligence: results from a collaborative meta-analysis. <i>International Journal of Epidemiology</i> , 2019, 48, 45-57.	1.9	5
110	High Choline Intake during Pregnancy Reduces Characteristics of the Metabolic Syndrome in Male Wistar Rat Offspring Fed a High Fat But Not a Normal Fat Post-Weaning Diet. <i>Nutrients</i> , 2021, 13, 1438.	4.1	5
111	Donor-Specific Transcriptomic Analysis of Alzheimer's Disease-Associated Hypometabolism Highlights a Unique Donor, Ribosomal Proteins and Microglia. <i>ENeuro</i> , 2020, 7, ENEURO.0255-20.2020.	1.9	5
112	Lean mass accretion in children born very low birth weight is significantly associated with estimated changes from sedentary time to light physical activity. <i>Pediatric Obesity</i> , 2020, 15, e12610.	2.8	4
113	Endocannabinoid Gene \tilde{A} — Gene Interaction Association to Alcohol Use Disorder in Two Adolescent Cohorts. <i>Frontiers in Psychiatry</i> , 2021, 12, 645746.	2.6	4
114	Epigenetic Loci of Blood Pressure. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002341.	3.6	3
115	Visceral Fat and Hypertension: Sex Differences. , 2014, , 99-111.		2
116	Ancient Haplotypes at the 15q24.2 Microdeletion Region Are Linked to Brain Expression of MAN2C1 and Children's Intelligence. <i>PLoS ONE</i> , 2016, 11, e0157739.	2.5	2
117	Distinct Trajectories of Overweight During Childhood and Elevated Blood Pressure at Late Adolescence. <i>Hypertension</i> , 2022, 79, 1614-1616.	2.7	1