

# 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	Effects of copy number variations on brain structure and risk for psychiatric illness: Large-scale studies from the ENIGMA working groups on CNVs. Human Brain Mapping, 2022, 43, 300-328.	3.6	30
2	The genetics of testosterone contributes to "femaleness/maleness" of cardiometabolic traits and type 2 diabetes. International Journal of Obesity, 2022, 46, 235-237.	3.4	6
3	Genetic variation influencing DNA methylation provides insights into molecular mechanisms regulating genomic function. Nature Genetics, 2022, 54, 18-29.	21.4	60
4	Circulating Metabolome and White Matter Hyperintensities in Women and Men. Circulation, 2022, 145, 1040-1052.	1.6	17
5	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. Biological Psychiatry, 2022, 92, 299-313.	1.3	11
6	Visceral adiposity is associated with metabolic profiles predictive of type 2 diabetes and myocardial infarction. Communications Medicine, 2022, 2, .	4.2	6
7	Distinct Trajectories of Overweight During Childhood and Elevated Blood Pressure at Late Adolescence. Hypertension, 2022, 79, 1614-1616.	2.7	1
8	Epigenome-wide meta-analysis of blood DNA methylation and its association with subcortical volumes: findings from the ENIGMA Epigenetics Working Group. Molecular Psychiatry, 2021, 26, 3884-3895.	7.9	34
9	A variant near DHCR24 associates with microstructural properties of white matter and peripheral lipid metabolism in adolescents. Molecular Psychiatry, 2021, 26, 3795-3805.	7.9	14
10	Sex continuum in the brain and body during adolescence and psychological traits. Nature Human Behaviour, 2021, 5, 265-272.	12.0	12
11	Effect Sizes of Deletions and Duplications on Autism Risk Across the Genome. American Journal of Psychiatry, 2021, 178, 87-98.	7.2	50
12	SARS-CoV-2 Receptor ACE2 Gene Is Associated with Hypertension and Severity of COVID 19: Interaction with Sex, Obesity, and Smoking. American Journal of Hypertension, 2021, 34, 367-376.	2.0	42
13	1q21.1 distal copy number variants are associated with cerebral and cognitive alterations in humans. Translational Psychiatry, 2021, 11, 182.	4.8	24
14	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. Nutrients, 2021, 13, 1438.	4.1	5
15	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. Nutrients, 2021, 13, 1477.	4.1	10
16	Endocannabinoid Gene $\times$ Gene Interaction Association to Alcohol Use Disorder in Two Adolescent Cohorts. Frontiers in Psychiatry, 2021, 12, 645746.	2.6	4
17	Genomic and phenotypic insights from an atlas of genetic effects on DNA methylation. Nature Genetics, 2021, 53, 1311-1321.	21.4	218
18	Genome-wide analysis of gene dosage in 24,092 individuals estimates that 10,000 genes modulate cognitive ability. Molecular Psychiatry, 2021, 26, 2663-2676.	7.9	33

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19	[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
20	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
21	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
22	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
23	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
24	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
25	Epigenetic clock as a correlate of anxiety. <i>NeuroImage: Clinical</i> , 2020, 28, 102458.	2.7	13
26	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
27	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
28	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
29	Cellular correlates of cortical thinning throughout the lifespan. <i>Scientific Reports</i> , 2020, 10, 21803.	3.3	80
30	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
31	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
32	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
33	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
34	The IMAGEN study: a decade of imaging genetics in adolescents. <i>Molecular Psychiatry</i> , 2020, 25, 2648-2671.	7.9	46
35	Virtual histology of multi-modal magnetic resonance imaging of cerebral cortex in young men. <i>NeuroImage</i> , 2020, 218, 116968.	4.2	37
36	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

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37	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
38	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
39	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
40	A genome-wide association study identifies genetic loci associated with specific lobar brain volumes. <i>Communications Biology</i> , 2019, 2, 285.	4.4	27
41	Novel Genetic Locus of Visceral Fat and Systemic Inflammation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3735-3742.	3.6	11
42	Sex Differences in Blood Pressure Hemodynamics in Middle-Aged Adults With Overweight and Obesity. <i>Hypertension</i> , 2019, 74, 407-412.	2.7	8
43	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
44	Genetic architecture of subcortical brain structures in 38,851 individuals. <i>Nature Genetics</i> , 2019, 51, 1624-1636.	21.4	192
45	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
46	Epigenetic Loci of Blood Pressure. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002341.	3.6	3
47	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
48	Association of a Schizophrenia-Risk Nonsynonymous Variant With Putamen Volume in Adolescents. <i>JAMA Psychiatry</i> , 2019, 76, 435.	11.0	51
49	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
50	Obesity, dyslipidemia and brain age in first-episode psychosis. <i>Journal of Psychiatric Research</i> , 2018, 99, 151-158.	3.1	80
51	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
52	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
53	Cell-Specific Gene-Expression Profiles and Cortical Thickness in the Human Brain. <i>Cerebral Cortex</i> , 2018, 28, 3267-3277.	2.9	99
54	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

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55	Adipose Tissue and Modulation of Hypertension. <i>Current Hypertension Reports</i> , 2018, 20, 96.	3.5	14
56	Genome-wide association meta-analysis of age at first cannabis use. <i>Addiction</i> , 2018, 113, 2073-2086.	3.3	24
57	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
58	Cohort Profile: The Saguenay Youth Study (SYS). <i>International Journal of Epidemiology</i> , 2017, 46, dyw023.	1.9	47
59	ENIGMA and the individual: Predicting factors that affect the brain in 35 countries worldwide. <i>NeuroImage</i> , 2017, 145, 389-408.	4.2	173
60	Novel genetic loci associated with hippocampal volume. <i>Nature Communications</i> , 2017, 8, 13624.	12.8	250
61	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
62	Income inequality, gene expression, and brain maturation during adolescence. <i>Scientific Reports</i> , 2017, 7, 7397.	3.3	21
63	DNA Methylation Analysis Identifies Loci for Blood Pressure Regulation. <i>American Journal of Human Genetics</i> , 2017, 101, 888-902.	6.2	154
64	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
65	A Multi-Cohort Study of ApoE $\epsilon$ 4 and Amyloid- $\beta$ Effects on the Hippocampus in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 1159-1174.	2.6	36
66	Structural brain correlates of adolescent resilience. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 1287-1296.	5.2	49
67	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
68	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
69	Novel genetic loci underlying human intracranial volume identified through genome-wide association. <i>Nature Neuroscience</i> , 2016, 19, 1569-1582.	14.8	213
70	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
71	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
72	Glycerophosphocholine Metabolites and Cardiovascular Disease Risk Factors in Adolescents. <i>Circulation</i> , 2016, 134, 1629-1636.	1.6	55

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73	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
74	Puberty and testosterone shape the corticospinal tract during male adolescence. <i>Brain Structure and Function</i> , 2016, 221, 1083-1094.	2.3	30
75	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
76	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
77	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
78	Tract Based Spatial Statistic Reveals No Differences in White Matter Microstructural Organization between Carriers and Non-Carriers of the APOE $\epsilon$ 4 and $\epsilon$ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 977-984.	2.6	17
79	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
80	CYP17A1 and Blood Pressure Reactivity to Stress in Adolescence. <i>International Journal of Hypertension</i> , 2015, 2015, 1-9.	1.3	6
81	Correlated gene expression supports synchronous activity in brain networks. <i>Science</i> , 2015, 348, 1241-1244.	12.6	532
82	Common genetic variants influence human subcortical brain structures. <i>Nature</i> , 2015, 520, 224-229.	27.8	772
83	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
84	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
85	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
86	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. <i>JAMA Psychiatry</i> , 2015, 72, 1002.	11.0	156
87	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
88	Sex Differences in COMT Polymorphism Effects on Prefrontal Inhibitory Control in Adolescence. <i>Neuropsychopharmacology</i> , 2014, 39, 2560-2569.	5.4	53
89	DRD2/ANKK1 Polymorphism Modulates the Effect of Ventral Striatal Activation on Working Memory Performance. <i>Neuropsychopharmacology</i> , 2014, 39, 2357-2365.	5.4	31
90	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

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91	Global Genetic Variations Predict Brain Response to Faces. <i>PLoS Genetics</i> , 2014, 10, e1004523.	3.5	18
92	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
93	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
94	Adiposity is associated with structural properties of the adolescent brain. <i>NeuroImage</i> , 2014, 103, 192-201.	4.2	21
95	Visceral Fat and Hypertension: Sex Differences. , 2014, , 99-111.		2
96	No Differences in Hippocampal Volume between Carriers and Non-Carriers of the ApoE $\epsilon$ 4 and $\epsilon$ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 37-43.	2.6	51
97	Neuropsychosocial profiles of current and future adolescent alcohol misusers. <i>Nature</i> , 2014, 512, 185-189.	27.8	368
98	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
99	Randomized parcellation based inference. <i>NeuroImage</i> , 2014, 89, 203-215.	4.2	13
100	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
101	FTO, obesity and the adolescent brain. <i>Human Molecular Genetics</i> , 2013, 22, 1050-1058.	2.9	46
102	Height-based Indices of Pubertal Timing in Male Adolescents. <i>International Journal of Developmental Sciences</i> , 2013, 7, 105-116.	0.5	7
103	Clustering of the Metabolic Syndrome Components in Adolescence: Role of Visceral Fat. <i>PLoS ONE</i> , 2013, 8, e82368.	2.5	16
104	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
105	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
106	Identification of common variants associated with human hippocampal and intracranial volumes. <i>Nature Genetics</i> , 2012, 44, 552-561.	21.4	594
107	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
108	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

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109	Automated Analysis of Craniofacial Morphology Using Magnetic Resonance Images. PLoS ONE, 2011, 6, e20241.	2.5	24
110	Maternal smoking during pregnancy is associated with epigenetic modifications of the brain-derived neurotrophic factor's 6 exon in adolescent offspring. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2010, 153B, 1350-1354.	1.7	159
111	Functional Variation in the Androgen-Receptor Gene Is Associated With Visceral Adiposity and Blood Pressure in Male Adolescents. Hypertension, 2010, 55, 706-714.	2.7	61
112	Intra-abdominal Adiposity and Individual Components of the Metabolic Syndrome in Adolescence. JAMA Pediatrics, 2008, 162, 453.	3.0	102
113	Growth of White Matter in the Adolescent Brain: Role of Testosterone and Androgen Receptor. Journal of Neuroscience, 2008, 28, 9519-9524.	3.6	292
114	Genes, maternal smoking, and the offspring brain and body during adolescence: Design of the Saguenay Youth Study. Human Brain Mapping, 2007, 28, 502-518.	3.6	113
115	Genome-Wide Scan for Linkage to Obesity-Associated Hypertension in French Canadians. Hypertension, 2005, 46, 1280-1285.	2.7	39
116	Prenatal exposure to nicotine modifies kidney weight and blood pressure in genetically susceptible rats: A case of gene-environment interaction. Kidney International, 2003, 64, 829-835.	5.2	68
117	Predictors of Target Organ Damage in Hypertensive Blacks and Whites. Hypertension, 2001, 38, 761-766.	2.7	31