Kosha Ruparel

List of Publications by Year in descending order

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	26630	21540
15,648	56	114
citations	h-index	g-index
152	152	16450
docs citations	times ranked	citing authors
		3 ****
	citations 152	15,648 56 citations h-index 152 152

#	Article	IF	CITATIONS
1	A Comprehensive Analysis of Cerebellar Volumes in the 22q11.2 Deletion Syndrome. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 79-90.	1.5	5
2	Effects of copy number variations on brain structure and risk for psychiatric illness: Largeâ€scale studies from the ⟨scp⟩ENIGMA⟨/scp⟩working groups on ⟨scp⟩CNVs⟨/scp⟩. Human Brain Mapping, 2022, 43, 300-328.	3.6	30
3	Development of a probability calculator for psychosis risk in children, adolescents, and young adults. Psychological Medicine, 2022, 52, 3159-3167.	4.5	9
4	Effect of mGluR2 positive allosteric modulation on frontostriatal working memory activation in schizophrenia. Molecular Psychiatry, 2022, 27, 1226-1232.	7.9	6
5	Altered functional brain dynamics in chromosome 22q11.2 deletion syndrome during facial affect processing. Molecular Psychiatry, 2022, 27, 1158-1166.	7.9	1
6	Stability of polygenic scores across discovery genome-wide association studies. Human Genetics and Genomics Advances, 2022, 3, 100091.	1.7	15
7	Comparison of two cognitive screening measures in a longitudinal sample of youth at-risk for psychosis. Schizophrenia Research, 2022, 246, 216-224.	2.0	1
8	When CAT is not an option: complementary methods of test abbreviation for neurocognitive batteries. Cognitive Neuropsychiatry, 2021, 26, 35-54.	1.3	4
9	Structural and Functional Brain Parameters Related to Cognitive Performance Across Development: Replication and Extension of the Parieto-Frontal Integration Theory in a Single Sample. Cerebral Cortex, 2021, 31, 1444-1463.	2.9	24
10	Diminished reward responsiveness is associated with lower reward network GluCEST: an ultra-high field glutamate imaging study. Molecular Psychiatry, 2021, 26, 2137-2147.	7.9	10
11	Prioritizing Genetic Contributors to Cortical Alterations in 22q11.2 Deletion Syndrome Using Imaging Transcriptomics. Cerebral Cortex, 2021, 31, 3285-3298.	2.9	10
12	Pitfalls in brain age analyses. Human Brain Mapping, 2021, 42, 4092-4101.	3.6	50
13	Adaptation and validation of a computerized neurocognitive battery in the Xhosa of South Africa Neuropsychology, 2021, 35, 581-594.	1.3	7
14	Relationship of ventral striatum activation during effort discounting to clinical amotivation severity in schizophrenia. NPJ Schizophrenia, 2021, 7, 48.	3.6	9
15	Alterations in white matter microstructure in individuals at persistent risk for psychosis. Molecular Psychiatry, 2020, 25, 2441-2454.	7.9	8
16	Associations between Neighborhood SES and Functional Brain Network Development. Cerebral Cortex, 2020, 30, 1-19.	2.9	74
17	Large-scale mapping of cortical alterations in 22q11.2 deletion syndrome: Convergence with idiopathic psychosis and effects of deletion size. Molecular Psychiatry, 2020, 25, 1822-1834.	7.9	122
18	Altered white matter microstructure in 22q11.2 deletion syndrome: a multisite diffusion tensor imaging study. Molecular Psychiatry, 2020, 25, 2818-2831.	7.9	50

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19	Neurostructural Heterogeneity in Youths With Internalizing Symptoms. Biological Psychiatry, 2020, 87, 473-482.	1.3	34
20	Development of structure–function coupling in human brain networks during youth. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 771-778.	7.1	296
21	Executive function after risk-reducing salpingo-oophorectomy in BRCA1 and BRCA2 mutation carriers: does current mood and early life adversity matter?. Menopause, 2020, 27, 746-755.	2.0	13
22	Structural Brain Patterns Associated with Traumatic Stress Resilience and Susceptibility to Mood and Anxiety Symptoms in Youths. Adversity and Resilience Science, 2020, 1, 179-190.	2.6	4
23	Early language measures associated with later psychosis features in 22q11.2 deletion syndrome. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2020, 183, 392-400.	1.7	10
24	Development of a computerised neurocognitive battery for children and adolescents with HIV in Botswana: study design and protocol for the Ntemoga study. BMJ Open, 2020, 10, e041099.	1.9	14
25	Divergent Amygdala Volume Asymmetries for Male and Female Youth With High Versus Low Callous-Unemotional Traits. Crime and Delinquency, 2020, 66, 1419-1437.	1.7	6
26	Association of anxiety phenotypes with risk of depression and suicidal ideation in community youth. Depression and Anxiety, 2020, 37, 851-861.	4.1	10
27	Dataâ€Driven Quantitative Susceptibility Mapping Using Loss Adaptive Dipole Inversion (LADI). Journal of Magnetic Resonance Imaging, 2020, 52, 823-835.	3.4	3
28	Mapping Subcortical Brain Alterations in 22q11.2 Deletion Syndrome: Effects of Deletion Size and Convergence With Idiopathic Neuropsychiatric Illness. American Journal of Psychiatry, 2020, 177, 589-600.	7.2	55
29	Longitudinal Development of Brain Iron Is Linked to Cognition in Youth. Journal of Neuroscience, 2020, 40, 1810-1818.	3.6	60
30	Impact of childhood adversity on network reconfiguration dynamics during working memory in hypogonadal women. Psychoneuroendocrinology, 2020, 119, 104710.	2.7	5
31	Temporal sequences of brain activity at rest are constrained by white matter structure and modulated by cognitive demands. Communications Biology, 2020, 3, 261.	4.4	88
32	Optimization of energy state transition trajectory supports the development of executive function during youth. ELife, 2020, 9, .	6.0	47
33	Robust Spatial Extent Inference With a Semiparametric Bootstrap Joint Inference Procedure. Biometrics, 2019, 75, 1145-1155.	1.4	7
34	Accelerated cortical thinning within structural brain networks is associated with irritability in youth. Neuropsychopharmacology, 2019, 44, 2254-2262.	5 . 4	26
35	Evidence for Dissociable Linkage of Dimensions of Psychopathology to Brain Structure in Youths. American Journal of Psychiatry, 2019, 176, 1000-1009.	7.2	77
36	Reduced safety processing during aversive social conditioning in psychosis and clinical risk. Neuropsychopharmacology, 2019, 44, 2247-2253.	5 . 4	7

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37	Burden of Environmental Adversity Associated With Psychopathology, Maturation, and Brain Behavior Parameters in Youths. JAMA Psychiatry, 2019, 76, 966.	11.0	157
38	Cannabis use in youth is associated with limited alterations in brain structure. Neuropsychopharmacology, 2019, 44, 1362-1369.	5.4	30
39	Sex differences in estimated brain metabolism in relation to body growth through adolescence. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 524-535.	4.3	25
40	Gestational Age is Dimensionally Associated with Structural Brain Network Abnormalities Across Development. Cerebral Cortex, 2019, 29, 2102-2114.	2.9	25
41	Development and public release of the Penn Reading Assessment Computerized Adaptive Test (PRA-CAT) for premorbid IQ Psychological Assessment, 2019, 31, 1168-1173.	1.5	4
42	The impact of in-scanner head motion on structural connectivity derived from diffusion MRI. Neurolmage, 2018, 173, 275-286.	4.2	102
43	Diminished Cortical Thickness Is Associated with Impulsive Choice in Adolescence. Journal of Neuroscience, 2018, 38, 2471-2481.	3.6	55
44	Quantitative assessment of structural image quality. NeuroImage, 2018, 169, 407-418.	4.2	291
45	Structural anomalies of the peripheral olfactory system in psychosis high-risk subjects. Schizophrenia Research, 2018, 195, 197-205.	2.0	15
46	Brain state expression and transitions are related to complex executive cognition in normative neurodevelopment. NeuroImage, 2018, 166, 293-306.	4.2	61
47	Faster family-wise error control for neuroimaging with a parametric bootstrap. Biostatistics, 2018, 19, 497-513.	1.5	8
48	Linked dimensions of psychopathology and connectivity in functional brain networks. Nature Communications, 2018, 9, 3003.	12.8	323
49	Temporal Lobe Volume Decrements in Psychosis Spectrum Youths. Schizophrenia Bulletin, 2017, 43, sbw112.	4.3	26
50	Common Dimensional Reward Deficits Across Mood and Psychotic Disorders: A Connectome-Wide Association Study. American Journal of Psychiatry, 2017, 174, 657-666.	7.2	147
51	Persistence of psychosis spectrum symptoms in the Philadelphia Neurodevelopmental Cohort: a prospective twoâ€year followâ€up. World Psychiatry, 2017, 16, 62-76.	10.4	97
52	Face Processing Measures of Social Cognition: AÂDimensional Approach to Developmental Psychopathology. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2017, 2, 502-509.	1.5	15
53	Age-Related Effects and Sex Differences in Gray Matter Density, Volume, Mass, and Cortical Thickness from Childhood to Young Adulthood. Journal of Neuroscience, 2017, 37, 5065-5073.	3.6	235
54	Cognitive functioning of adolescent and young adult cannabis users in the Philadelphia Neurodevelopmental Cohort Psychology of Addictive Behaviors, 2017, 31, 423-434.	2.1	36

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55	Modular Segregation of Structural Brain Networks Supports the Development of Executive Function in Youth. Current Biology, 2017, 27, 1561-1572.e8.	3.9	305
56	Impact of Tryptophan Depletion on Executive System Function during Menopause is Moderated by Childhood Adversity. Neuropsychopharmacology, 2017, 42, 2398-2406.	5.4	20
57	Benchmarking of participant-level confound regression strategies for the control of motion artifact in studies of functional connectivity. Neurolmage, 2017, 154, 174-187.	4.2	842
58	Developmental increases in white matter network controllability support a growing diversity of brain dynamics. Nature Communications, 2017, 8, 1252.	12.8	140
59	White matter microstructural deficits in 22q11.2 deletion syndrome. Psychiatry Research - Neuroimaging, 2017, 268, 35-44.	1.8	17
60	Effects of military service and deployment on clinical symptomatology: The role of trauma exposure and social support. Journal of Psychiatric Research, 2017, 95, 121-128.	3.1	25
61	Harmonization of multi-site diffusion tensor imaging data. Neurolmage, 2017, 161, 149-170.	4.2	731
62	Impact of early life adversity and tryptophan depletion on functional connectivity in menopausal women: A double-blind, placebo-controlled crossover study. Psychoneuroendocrinology, 2017, 84, 197-205.	2.7	12
63	Lisdexamfetamine Effects on Executive Activation and Neurochemistry in Menopausal Women with Executive Function Difficulties. Neuropsychopharmacology, 2017, 42, 437-445.	5.4	23
64	Correspondence between adolescent and informant reports of substance use: Findings from the Philadelphia Neurodevelopmental Cohort. Addictive Behaviors, 2017, 65, 13-18.	3.0	4
65	Validation of the Cognition Test Battery for Spaceflight in a Sample of Highly Educated Adults. Aerospace Medicine and Human Performance, 2017, 88, 937-946.	0.4	54
66	Changes in neural responsivity to highly palatable foods following rouxâ€enâ€ <scp>Y</scp> gastric bypass, sleeve gastrectomy, or weight stability: An f <scp>MRI</scp> study. Obesity, 2016, 24, 1054-1060.	3.0	66
67	Defining and validating a short form Montreal Cognitive Assessment (s-MoCA) for use in neurodegenerative disease. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 1303-1310.	1.9	50
68	Subject-level measurement of local cortical coupling. NeuroImage, 2016, 133, 88-97.	4.2	23
69	Nicotine withdrawal alters neural responses to psychosocial stress. Psychopharmacology, 2016, 233, 2459-2467.	3.1	20
70	Neurocognitive profile in psychotic versus nonpsychotic individuals with 22q11.2 deletion syndrome. European Neuropsychopharmacology, 2016, 26, 1610-1618.	0.7	45
71	Disrupted anatomic networks in the 22q11.2 deletion syndrome. Neurolmage: Clinical, 2016, 12, 420-428.	2.7	4
72	Elevated Amygdala Perfusion Mediates Developmental Sex Differences in Trait Anxiety. Biological Psychiatry, 2016, 80, 775-785.	1.3	82

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73	Divergent relationship of depression severity to social reward responses among patients with bipolar versus unipolar depression. Psychiatry Research - Neuroimaging, 2016, 254, 18-25.	1.8	49
74	Common and Dissociable Mechanisms of Executive System Dysfunction Across Psychiatric Disorders in Youth. American Journal of Psychiatry, 2016, 173, 517-526.	7.2	191
75	Structural Brain Abnormalities in Youth With Psychosis Spectrum Symptoms. JAMA Psychiatry, 2016, 73, 515.	11.0	116
76	Establishing a link between sex-related differences in the structural connectome and behaviour. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150111.	4.0	121
77	The impact of quality assurance assessment on diffusion tensor imaging outcomes in a large-scale population-based cohort. Neurolmage, 2016, 125, 903-919.	4.2	202
78	The Philadelphia Neurodevelopmental Cohort: A publicly available resource for the study of normal and abnormal brain development in youth. Neurolmage, 2016, 124, 1115-1119.	4.2	268
79	Development of an itemwise efficiency scoring method: Concurrent, convergent, discriminant, and neuroimaging-based predictive validity assessed in a large community sample Psychological Assessment, 2016, 28, 1529-1542.	1.5	7
80	Polygraphy and Functional Magnetic Resonance Imaging in Lie Detection. Journal of Clinical Psychiatry, 2016, 77, 1372-1380.	2.2	17
81	Development of an abbreviated form of the Penn Line Orientation Test using large samples and computerized adaptive test simulation Psychological Assessment, 2015, 27, 955-964.	1.5	30
82	The Philadelphia Neurodevelopmental Cohort: constructing a deep phenotyping collaborative. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2015, 56, 1356-1369.	5.2	208
83	Working Memory-Related Neural Activity Predicts Future Smoking Relapse. Neuropsychopharmacology, 2015, 40, 1311-1320.	5.4	85
84	White matter microstructure in schizophrenia: Associations to neurocognition and clinical symptomatology. Schizophrenia Research, 2015, 161, 42-49.	2.0	42
85	Topologically Dissociable Patterns of Development of the Human Cerebral Cortex. Journal of Neuroscience, 2015, 35, 599-609.	3.6	103
86	Common and Dissociable Dysfunction of the Reward System in Bipolar and Unipolar Depression. Neuropsychopharmacology, 2015, 40, 2258-2268.	5.4	210
87	Functional Neuroimaging Abnormalities in Youth With Psychosis Spectrum Symptoms. JAMA Psychiatry, 2015, 72, 456.	11.0	100
88	Comorbidity of Physical and Mental Disorders in the Neurodevelopmental Genomics Cohort Study. Pediatrics, 2015, 135, e927-e938.	2.1	96
89	Aberrant Cortical Morphometry in the $22q11.2$ Deletion Syndrome. Biological Psychiatry, 2015 , 78 , $135-143$.	1.3	61
90	Linked Sex Differences in Cognition and Functional Connectivity in Youth. Cerebral Cortex, 2015, 25, 2383-2394.	2.9	302

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91	Heritability of Subcortical and Limbic Brain Volume and Shape in Multiplex-Multigenerational Families with Schizophrenia. Biological Psychiatry, 2015, 77, 137-146.	1.3	42
92	Reply to Joel and Tarrasch: On misreading and shooting the messenger. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E638-E638.	7.1	6
93	Large-Scale Brain Network Coupling Predicts Acute Nicotine Abstinence Effects on Craving and Cognitive Function. JAMA Psychiatry, 2014, 71, 523.	11.0	202
94	Feasibility of Cognitive Functional Assessment in Cardiac Arrest Survivors Using an Abbreviated Laptop-Based Neurocognitive Battery. Therapeutic Hypothermia and Temperature Management, 2014, 4, 131-136.	0.9	7
95	Amotivation in Schizophrenia: Integrated Assessment With Behavioral, Clinical, and Imaging Measures. Schizophrenia Bulletin, 2014, 40, 1328-1337.	4.3	163
96	Ageâ€related differences in working memory deficits during nicotine withdrawal. Addiction Biology, 2014, 19, 907-917.	2.6	42
97	The psychosis spectrum in a young U.S. community sample: findings from the Philadelphia Neurodevelopmental Cohort. World Psychiatry, 2014, 13, 296-305.	10.4	178
98	Neurocognitive Growth Charting in Psychosis Spectrum Youths. JAMA Psychiatry, 2014, 71, 366.	11.0	206
99	Extendedâ€release naltrexone modulates brain response to drug cues in abstinent heroinâ€dependent patients. Addiction Biology, 2014, 19, 262-271.	2.6	42
100	Sex Differences in the Effect of Puberty on Hippocampal Morphology. Journal of the American Academy of Child and Adolescent Psychiatry, 2014, 53, 341-350.e1.	0.5	83
101	Sex differences in the structural connectome of the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 823-828.	7.1	925
102	Neuroimaging of the Philadelphia Neurodevelopmental Cohort. NeuroImage, 2014, 86, 544-553.	4.2	452
103	Impact of puberty on the evolution of cerebral perfusion during adolescence. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8643-8648.	7.1	169
104	Within-individual variability in neurocognitive performance: Age- and sex-related differences in children and youths from ages 8 to 21 Neuropsychology, 2014, 28, 506-518.	1.3	82
105	Neuroimaging predictors of cognitive performance across a standardized neurocognitive battery Neuropsychology, 2014, 28, 161-176.	1.3	68
106	Brain activity and emotional processing in smokers treated with varenicline. Addiction Biology, 2013, 18, 732-738.	2.6	21
107	Association of abstinence-induced alterations in working memory function and COMT genotype in smokers. Psychopharmacology, 2013, 230, 653-662.	3.1	17
108	Effects of tolcapone on working memory and brain activity in abstinent smokers: A proof-of-concept study. Drug and Alcohol Dependence, 2013, 133, 852-856.	3.2	14

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109	Heterogeneous impact of motion on fundamental patterns of developmental changes in functional connectivity during youth. Neurolmage, 2013, 83, 45-57.	4.2	223
110	White matter organization and neurocognitive performance variability in schizophrenia. Schizophrenia Research, 2013, 143, 172-178.	2.0	53
111	An improved framework for confound regression and filtering for control of motion artifact in the preprocessing of resting-state functional connectivity data. Neurolmage, 2013, 64, 240-256.	4.2	1,540
112	Functional Maturation of the Executive System during Adolescence. Journal of Neuroscience, 2013, 33, 16249-16261.	3.6	225
113	Content Matters: Neuroimaging Investigation of Brain and Behavioral Impact of Televised Anti-Tobacco Public Service Announcements. Journal of Neuroscience, 2013, 33, 7420-7427.	3.6	7 3
114	Impact of in-scanner head motion on multiple measures of functional connectivity: Relevance for studies of neurodevelopment in youth. NeuroImage, 2012, 60, 623-632.	4.2	1,037
115	Being right is its own reward: Load and performance related ventral striatum activation to correct responses during a working memory task in youth. Neurolmage, 2012, 61, 723-729.	4.2	126
116	\hat{l} 4-Opioid receptor availability in the amygdala is associated with smoking for negative affect relief. Psychopharmacology, 2012, 222, 701-708.	3.1	11
117	Interactive effects of estrogen and serotonin on brain activation during working memory and affective processing in menopausal women. Psychoneuroendocrinology, 2012, 37, 372-382.	2.7	80
118	Opposing amygdala and ventral striatum connectivity during emotion identification. Brain and Cognition, 2011, 76, 353-363.	1.8	29
119	Resting quantitative cerebral blood flow in schizophrenia measured by pulsed arterial spin labeling perfusion MRI. Psychiatry Research - Neuroimaging, 2011, 194, 64-72.	1.8	106
120	Abnormal Modulation of Amygdala Activity in Schizophrenia in Response to Direct- and Averted-Gaze Threat-Related Facial Expressions. American Journal of Psychiatry, 2011, 168, 293-301.	7.2	46
121	Human Mu Opioid Receptor ($\langle i \rangle$ OPRM1 $\langle i \rangle$ A118G) polymorphism is associated with brain mu-opioid receptor binding potential in smokers. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9268-9273.	7.1	130
122	Association of Enhanced Limbic Response to Threat With Decreased Cortical Facial Recognition Memory Response in Schizophrenia. American Journal of Psychiatry, 2010, 167, 418-426.	7.2	53
123	Effects of the $\hat{l}\pm4\hat{l}^22$ Partial Agonist Varenicline on Brain Activity and Working Memory in Abstinent Smokers. Biological Psychiatry, 2010, 67, 715-721.	1.3	119
124	Baby schema modulates the brain reward system in nulliparous women. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9115-9119.	7.1	268
125	Frontolimbic responses to emotional face memory: The neural correlates of first impressions. Human Brain Mapping, 2009, 30, 3748-3758.	3.6	27
126	Baby Schema in Infant Faces Induces Cuteness Perception and Motivation for Caretaking in Adults. Ethology, 2009, 115, 257-263.	1.1	356

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127	Reduced prefrontal and temporal processing and recall of high "sensation value―ads. NeuroImage, 2009, 46, 219-225.	4.2	97
128	Brain activation during eye gaze discrimination in stable schizophrenia. Schizophrenia Research, 2008, 99, 286-293.	2.0	20
129	Acute Effect of Methadone Maintenance Dose on Brain fMRI Response to Heroin-Related Cues. American Journal of Psychiatry, 2008, 165, 390-394.	7.2	200
130	Abnormal Superior Temporal Connectivity During Fear Perception in Schizophrenia. Schizophrenia Bulletin, 2007, 34, 673-678.	4.3	43
131	An Investigation of the Relationship Between Activation of a Social Cognitive Neural Network and Social Functioning. Schizophrenia Bulletin, 2007, 34, 688-697.	4.3	67
132	Limbic Activation Associated With Misidentification of Fearful Faces and Flat Affect in Schizophrenia. Archives of General Psychiatry, 2007, 64, 1356.	12.3	213
133	Neural substrates for functionally discriminating selfâ€face from personally familiar faces. Human Brain Mapping, 2006, 27, 91-98.	3.6	229