

# Carsten Korth

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,674  
citations

394421

19  
h-index

302126

39  
g-index

44  
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44  
docs citations

44  
times ranked

2883  
citing authors

#	ARTICLE	IF	CITATIONS
1	The interaction of insoluble Amyloid $\beta^2$ with soluble Amyloid $\beta^2$ dimers decreases Amyloid $\beta^2$ plaque numbers. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 603-610.	3.2	3
2	Viruses as "Truffle Hounds" <sup>TM</sup> : Molecular Tools for Untangling Brain Cellular Pathology. <i>Trends in Neurosciences</i> , 2021, 44, 352-365.	8.6	7
3	Disrupted in Schizophrenia 1 regulates the processing of reelin in the perinatal cortex. <i>Schizophrenia Research</i> , 2020, 215, 506-513.	2.0	7
4	Decreased nuclear distribution nudE-like 1 enzyme activity in an animal model with dysfunctional disrupted-in-schizophrenia 1 signaling featuring aberrant neurodevelopment and amphetamine-supersensitivity. <i>Journal of Psychopharmacology</i> , 2020, 34, 467-477.	4.0	12
5	Disruption of cellular proteostasis by H1N1 influenza A virus causes $\beta$ -synuclein aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6741-6751.	7.1	85
6	Blood tests to diagnose schizophrenia: self-imposed limits in psychiatry. <i>Lancet Psychiatry</i> , 2020, 7, 911-914.	7.4	9
7	<sc>SARS</sc> $\beta$ targets neurons of 3D human brain organoids. <i>EMBO Journal</i> , 2020, 39, e106230.	7.8	401
8	Tools as "petrified memes": A duality. <i>Behavioral and Brain Sciences</i> , 2020, 43, e169.	0.7	0
9	Protein misassembly and aggregation as potential convergence points for non-genetic causes of chronic mental illness. <i>Molecular Psychiatry</i> , 2019, 24, 936-951.	7.9	47
10	Disrupted $\beta$ -in $\beta$ -schizophrenia 1 functional polymorphisms and D 2 /D 3 receptor availability: A [ 11 C] $\beta$ (+) $\beta$ PHNO imaging study. <i>Genes, Brain and Behavior</i> , 2019, 18, e12596.	2.2	0
11	Dysregulation of a specific immune-related network of genes biologically defines a subset of schizophrenia. <i>Translational Psychiatry</i> , 2019, 9, 156.	4.8	24
12	Disrupted-in-Schizophrenia 1 (DISC1) Overexpression and Juvenile Immune Activation Cause Sex-Specific Schizophrenia-Related Psychopathology in Rats. <i>Frontiers in Psychiatry</i> , 2019, 10, 222.	2.6	15
13	Disrupted $\beta$ -in $\beta$ -schizophrenia 1 overexpression disrupts hippocampal coding and oscillatory synchronization. <i>Hippocampus</i> , 2019, 29, 802-816.	1.9	28
14	Anxiogenic-like behavior and deficient attention/working memory in rats expressing the human DISC1 gene. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 179, 73-79.	2.9	16
15	Proteomic Studies Reveal Disrupted in Schizophrenia 1 as a Player in Both Neurodevelopment and Synaptic Function. <i>International Journal of Molecular Sciences</i> , 2019, 20, 119.	4.1	2
16	$\beta^2$ dimers induce behavioral and neurochemical deficits of relevance to early Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 69, 1-9.	3.1	14
17	The effect of the DISC1 Ser704Cys polymorphism on striatal dopamine synthesis capacity: an [18F]-DOPA PET study. <i>Human Molecular Genetics</i> , 2018, 27, 3498-3506.	2.9	8
18	Quantitative Proteomics of Synaptosomal Fractions in a Rat Overexpressing Human DISC1 Gene Indicates Profound Synaptic Dysregulation in the Dorsal Striatum. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 26.	2.9	19

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19	Biophysical insights from a single chain camelid antibody directed against the Disrupted-in-Schizophrenia 1 protein. PLoS ONE, 2018, 13, e0191162.	2.5	7
20	Transfer of disrupted-in-schizophrenia 1 aggregates between neuronal-like cells occurs in tunnelling nanotubes and is promoted by dopamine. Open Biology, 2017, 7, 160328.	3.6	15
21	A structural organization for the Disrupted in Schizophrenia 1 protein, identified by high-throughput screening, reveals distinctly folded regions, which are bisected by mental illness-related mutations. Journal of Biological Chemistry, 2017, 292, 6468-6477.	3.4	22
22	An unpredicted aggregation-critical region of the actin-polymerizing protein TRIOBP-1/Tara, determined by elucidation of its domain structure. Journal of Biological Chemistry, 2017, 292, 9583-9598.	3.4	21
23	Intra-nasal dopamine alleviates cognitive deficits in tgDISC1 rats which overexpress the human DISC1 gene. Neurobiology of Learning and Memory, 2017, 146, 12-20.	1.9	24
24	Simultaneous effects on parvalbumin-positive interneuron and dopaminergic system development in a transgenic rat model for sporadic schizophrenia. Scientific Reports, 2016, 6, 34946.	3.3	27
25	Amyloid- $\beta^2$ dimers in the absence of plaque pathology impair learning and synaptic plasticity. Brain, 2016, 139, 509-525.	7.6	74
26	<scp>DISC</scp>1 regulates expression of the neurotrophin <scp>VGF</scp> through the <scp>PI</scp>3K/<scp>AKT</scp>/<scp>CREB</scp> pathway. Journal of Neurochemistry, 2015, 135, 598-605.	3.9	15
27	Viral capsid assembly as a model for protein aggregation diseases: Active processes catalyzed by cellular assembly machines comprising novel drug targets. Virus Research, 2015, 207, 155-164.	2.2	16
28	Peripheral DISC1 protein levels as a trait marker for schizophrenia and modulating effects of nicotine. Behavioural Brain Research, 2014, 275, 176-182.	2.2	13
29	Aggregation of the Protein TRIOBP-1 and Its Potential Relevance to Schizophrenia. PLoS ONE, 2014, 9, e111196.	2.5	25
30	Revisiting Disrupted-in-Schizophrenia 1 as a scaffold protein. Biological Chemistry, 2013, 394, 1425-1437.	2.5	35
31	Aging-Induced Proteostatic Changes in the Rat Hippocampus Identify ARP3, NEB2 and BRAG2 as a Molecular Circuitry for Cognitive Impairment. PLoS ONE, 2013, 8, e75112.	2.5	14
32	Proteomic, genomic and translational approaches identify CRMP1 for a role in schizophrenia and its underlying traits. Human Molecular Genetics, 2012, 21, 4406-4418.	2.9	67
33	Aggregated proteins in schizophrenia and other chronic mental diseases. Prion, 2012, 6, 134-141.	1.8	47
34	Generation, Purification, and Characterization of Cell-invasive DISC1 Protein Species. Journal of Visualized Experiments, 2012, , e4132.	0.3	8
35	Molecular Engineering of a Secreted, Highly Homogeneous, and Neurotoxic $A\beta^2$ Dimer. ACS Chemical Neuroscience, 2011, 2, 242-248.	3.5	27
36	Convergence of Two Independent Mental Disease Genes on the Protein Level: Recruitment of Dysbindin to Cell-Invasive Disrupted-In-Schizophrenia 1 Aggregates. Biological Psychiatry, 2011, 70, 604-610.	1.3	72

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37	Combining Independent Drug Classes into Superior, Synergistically Acting Hybrid Molecules. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8743-8746.	13.8	43
38	Understanding the Role of DISC1 in Psychiatric Disease and during Normal Development. <i>Journal of Neuroscience</i> , 2009, 29, 12768-12775.	3.6	169
39	Oligomer Assembly of the C-Terminal DISC1 Domain (640~854) Is Controlled by Self-Association Motifs and Disease-Associated Polymorphism S704C. <i>Biochemistry</i> , 2009, 48, 7746-7755.	2.5	61
40	Insolubility of Disrupted-in-Schizophrenia 1 Disrupts Oligomer-Dependent Interactions with Nuclear Distribution Element 1 and Is Associated with Sporadic Mental Disease. <i>Journal of Neuroscience</i> , 2008, 28, 3839-3845.	3.6	127
41	[8] Monoclonal antibodies specific for the native, disease-associated isoform of the prion protein. <i>Methods in Enzymology</i> , 1999, 309, 106-122.	1.0	35