

# Carsten Korth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7900549/publications.pdf>

Version: 2024-02-01

41  
papers

1,674  
citations

394421

19  
h-index

302126

39  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2883  
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>SARS</sc> targets neurons of 3D human brain organoids. EMBO Journal, 2020, 39, e106230.	7.8	401
2	Understanding the Role of DISC1 in Psychiatric Disease and during Normal Development. Journal of Neuroscience, 2009, 29, 12768-12775.	3.6	169
3	Insolubility of Disrupted-in-Schizophrenia 1 Disrupts Oligomer-Dependent Interactions with Nuclear Distribution Element 1 and Is Associated with Sporadic Mental Disease. Journal of Neuroscience, 2008, 28, 3839-3845.	3.6	127
4	Disruption of cellular proteostasis by H1N1 influenza A virus causes $\alpha$ -synuclein aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6741-6751.	7.1	85
5	Amyloid- $\beta$ dimers in the absence of plaque pathology impair learning and synaptic plasticity. Brain, 2016, 139, 509-525.	7.6	74
6	Convergence of Two Independent Mental Disease Genes on the Protein Level: Recruitment of Dysbindin to Cell-Invasive Disrupted-In-Schizophrenia 1 Aggresomes. Biological Psychiatry, 2011, 70, 604-610.	1.3	72
7	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
8	Oligomer Assembly of the C-Terminal DISC1 Domain (640~854) Is Controlled by Self-Association Motifs and Disease-Associated Polymorphism S704C. Biochemistry, 2009, 48, 7746-7755.	2.5	61
9	Aggregated proteins in schizophrenia and other chronic mental diseases. Prion, 2012, 6, 134-141.	1.8	47
10	Protein misassembly and aggregation as potential convergence points for non-genetic causes of chronic mental illness. Molecular Psychiatry, 2019, 24, 936-951.	7.9	47
11	Combining Independent Drug Classes into Superior, Synergistically Acting Hybrid Molecules. Angewandte Chemie - International Edition, 2010, 49, 8743-8746.	13.8	43
12	[8] Monoclonal antibodies specific for the native, disease-associated isoform of the prion protein. Methods in Enzymology, 1999, 309, 106-122.	1.0	35
13	Revisiting Disrupted-in-Schizophrenia 1 as a scaffold protein. Biological Chemistry, 2013, 394, 1425-1437.	2.5	35
14	Disrupted-in-schizophrenia 1 overexpression disrupts hippocampal coding and oscillatory synchronization. Hippocampus, 2019, 29, 802-816.	1.9	28
15	Molecular Engineering of a Secreted, Highly Homogeneous, and Neurotoxic $A\beta$ Dimer. ACS Chemical Neuroscience, 2011, 2, 242-248.	3.5	27
16	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
17	Aggregation of the Protein TRIOBP-1 and Its Potential Relevance to Schizophrenia. PLoS ONE, 2014, 9, e111196.	2.5	25
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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. <i>Journal of Biological Chemistry</i> , 2017, 292, 6468-6477.	3.4	22
21	An unpredicted aggregation-critical region of the actin-polymerizing protein TRIOBP-1/Tara, determined by elucidation of its domain structure. <i>Journal of Biological Chemistry</i> , 2017, 292, 9583-9598.	3.4	21
22	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
23	Viral capsid assembly as a model for protein aggregation diseases: Active processes catalyzed by cellular assembly machines comprising novel drug targets. <i>Virus Research</i> , 2015, 207, 155-164.	2.2	16
24	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
25	<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. <i>Journal of Neurochemistry</i> , 2015, 135, 598-605.	3.9	15
26	Transfer of disrupted-in-schizophrenia 1 aggregates between neuronal-like cells occurs in tunnelling nanotubes and is promoted by dopamine. <i>Open Biology</i> , 2017, 7, 160328.	3.6	15
27	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
28	A $\beta$ 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
29	Ageing-Induced Proteostatic Changes in the Rat Hippocampus Identify ARP3, NEB2 and BRAG2 as a Molecular Circuitry for Cognitive Impairment. <i>PLoS ONE</i> , 2013, 8, e75112.	2.5	14
30	Peripheral DISC1 protein levels as a trait marker for schizophrenia and modulating effects of nicotine. <i>Behavioural Brain Research</i> , 2014, 275, 176-182.	2.2	13
31	Decreased nuclear distribution nudeE-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
32	Blood tests to diagnose schizophrenia: self-imposed limits in psychiatry. <i>Lancet Psychiatry</i> , 2020, 7, 911-914.	7.4	9
33	Generation, Purification, and Characterization of Cell-invasive DISC1 Protein Species. <i>Journal of Visualized Experiments</i> , 2012, , e4132.	0.3	8
34	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
35	Disrupted in Schizophrenia 1 regulates the processing of reelin in the perinatal cortex. <i>Schizophrenia Research</i> , 2020, 215, 506-513.	2.0	7
36	Viruses as "Truffle Hounds": Molecular Tools for Untangling Brain Cellular Pathology. <i>Trends in Neurosciences</i> , 2021, 44, 352-365.	8.6	7

#	ARTICLE	IF	CITATIONS
37	Biophysical insights from a single chain camelid antibody directed against the Disrupted-in-Schizophrenia 1 protein. PLoS ONE, 2018, 13, e0191162.	2.5	7
38	The interaction of insoluble Amyloid $\beta$ 2 with soluble Amyloid $\beta$ 2 dimers decreases Amyloid $\beta$ 2 plaque numbers. Neuropathology and Applied Neurobiology, 2021, 47, 603-610.	3.2	3
39	Proteomic Studies Reveal Disrupted in Schizophrenia 1 as a Player in Both Neurodevelopment and Synaptic Function. International Journal of Molecular Sciences, 2019, 20, 119.	4.1	2
40	Disrupted $\beta$ in schizophrenia 1 functional polymorphisms and D 2 /D 3 receptor availability: A [ 11 C] (+)PHNO imaging study. Genes, Brain and Behavior, 2019, 18, e12596.	2.2	0
41	Tools as "petrified memes": A duality. Behavioral and Brain Sciences, 2020, 43, e169.	0.7	0