

# Daniela Kaufer

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

7,842  
citations

126708

33  
h-index

174990

52  
g-index

82  
all docs

82  
docs citations

82  
times ranked

9590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bloodâ€“brain barrier breakdown as a therapeutic target in traumatic brain injury. <i>Nature Reviews Neurology</i> , 2010, 6, 393-403.	4.9	723
2	VEGF is necessary for exercise-induced adult hippocampal neurogenesis. <i>European Journal of Neuroscience</i> , 2003, 18, 2803-2812.	1.2	693
3	Acute stress facilitates long-lasting changes in cholinergic gene expression. <i>Nature</i> , 1998, 393, 373-377.	13.7	567
4	TGF- $\beta$ receptor-mediated albumin uptake into astrocytes is involved in neocortical epileptogenesis. <i>Brain</i> , 2007, 130, 535-547.	3.7	490
5	Pyridostigmine brain penetration under stress enhances neuronal excitability and induces early immediate transcriptional response. <i>Nature Medicine</i> , 1996, 2, 1382-1385.	15.2	339
6	Stress increases putative gonadotropin inhibitory hormone and decreases luteinizing hormone in male rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11324-11329.	3.3	318
7	Transcriptome Profiling Reveals TGF- $\beta$ Signaling Involvement in Epileptogenesis. <i>Journal of Neuroscience</i> , 2009, 29, 8927-8935.	1.7	317
8	Concussion, microvascular injury, and early tauopathy in young athletes after impact head injury and an impact concussion mouse model. <i>Brain</i> , 2018, 141, 422-458.	3.7	315
9	Stress, social behavior, and resilience: Insights from rodents. <i>Neurobiology of Stress</i> , 2015, 1, 116-127.	1.9	280
10	Astrocytic Dysfunction in Epileptogenesis: Consequence of Altered Potassium and Glutamate Homeostasis?. <i>Journal of Neuroscience</i> , 2009, 29, 10588-10599.	1.7	262
11	Critical period regulation across multiple timescales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23242-23251.	3.3	250
12	Bloodâ€“brain barrier breakdown-inducing astrocytic transformation: Novel targets for the prevention of epilepsy. <i>Epilepsy Research</i> , 2009, 85, 142-149.	0.8	238
13	Alternative Splicing and Neuritic mRNA Translocation Under Long-Term Neuronal Hypersensitivity. <i>Science</i> , 2002, 295, 508-512.	6.0	220
14	Losartan prevents acquired epilepsy via TGF- $\beta$ <sup>2</sup> signaling suppression. <i>Annals of Neurology</i> , 2014, 75, 864-875.	2.8	216
15	Albumin induces excitatory synaptogenesis through astrocytic TGF- $\beta$ <sup>2</sup> /ALK5 signaling in a model of acquired epilepsy following bloodâ€“brain barrier dysfunction. <i>Neurobiology of Disease</i> , 2015, 78, 115-125.	2.1	213
16	Bloodâ€“brain barrier dysfunction, TGF- $\beta$ <sup>2</sup> signaling, and astrocyte dysfunction in epilepsy. <i>Glia</i> , 2012, 60, 1251-1257.	2.5	210
17	Changes in Brain MicroRNAs Contribute to Cholinergic Stress Reactions. <i>Journal of Molecular Neuroscience</i> , 2010, 40, 47-55.	1.1	186
18	Stress and glucocorticoids promote oligodendrogenesis in the adult hippocampus. <i>Molecular Psychiatry</i> , 2014, 19, 1275-1283.	4.1	175

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19	Acute stress enhances adult rat hippocampal neurogenesis and activation of newborn neurons via secreted astrocytic FGF2. <i>ELife</i> , 2013, 2, e00362.	2.8	167
20	Restoring Visual Function to Blind Mice with a Photoswitch that Exploits Electrophysiological Remodeling of Retinal Ganglion Cells. <i>Neuron</i> , 2014, 81, 800-813.	3.8	165
21	Evidence for the Mitochondrial Lactate Oxidation Complex in Rat Neurons: Demonstration of an Essential Component of Brain Lactate Shuttles. <i>PLoS ONE</i> , 2008, 3, e2915.	1.1	157
22	Blood-brain barrier dysfunction in aging induces hyperactivation of TGF $\beta$ 2 signaling and chronic yet reversible neural dysfunction. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	157
23	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. <i>Epilepsia</i> , 2017, 58, 27-38.	2.6	131
24	Blood-brain barrier dysfunction-induced inflammatory signaling in brain pathology and epileptogenesis. <i>Epilepsia</i> , 2012, 53, 37-44.	2.6	111
25	Imaging blood-brain barrier dysfunction as a biomarker for epileptogenesis. <i>Brain</i> , 2017, 140, 1692-1705.	3.7	95
26	TGF $\beta$ 2 signaling is associated with changes in inflammatory gene expression and perineuronal net degradation around inhibitory neurons following various neurological insults. <i>Scientific Reports</i> , 2017, 7, 7711.	1.6	89
27	Frequent blood-brain barrier disruption in the human cerebral cortex. <i>Cellular and Molecular Neurobiology</i> , 2001, 21, 675-691.	1.7	87
28	Paroxysmal slow cortical activity in Alzheimer's disease and epilepsy is associated with blood-brain barrier dysfunction. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	69
29	Knockdown of hypothalamic RFRP3 prevents chronic stress-induced infertility and embryo resorption. <i>ELife</i> , 2015, 4, .	2.8	59
30	Slow blood-to-brain transport underlies enduring barrier dysfunction in American football players. <i>Brain</i> , 2020, 143, 1826-1842.	3.7	42
31	Preliminary Evidence of Increased Hippocampal Myelin Content in Veterans with Posttraumatic Stress Disorder. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 333.	1.0	40
32	Should losartan be administered following brain injury?. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 1365-1375.	1.4	39
33	Potassium channel gene therapy can prevent neuron death resulting from necrotic and apoptotic insults. <i>Journal of Neurochemistry</i> , 2003, 86, 1079-1088.	2.1	37
34	Moderate Stress-Induced Social Bonding and Oxytocin Signaling are Disrupted by Predator Odor in Male Rats. <i>Neuropsychopharmacology</i> , 2016, 41, 2160-2170.	2.8	35
35	A potential role for glia-derived extracellular matrix remodeling in postinjury epilepsy. <i>Journal of Neuroscience Research</i> , 2016, 94, 794-803.	1.3	33
36	Neural correlates of ingroup bias for prosociality in rats. <i>ELife</i> , 2021, 10, .	2.8	33

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37	Epileptiform activity and spreading depolarization in the blood-brain barrier-disrupted peri-infarct hippocampus are associated with impaired GABAergic inhibition and synaptic plasticity. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 1803-1819.	2.4	28
38	Neural Versus Gonadal GnIH: Are they Independent Systems? A Mini-Review. <i>Integrative and Comparative Biology</i> , 2017, 57, 1194-1203.	0.9	26
39	Tracking cholinergic pathways from psychological and chemical stressors to variable neurodeterioration paradigms. <i>Current Opinion in Neurology</i> , 1999, 12, 739-743.	1.8	25
40	Plasma acetylcholinesterase activity correlates with intracerebral $\beta$ 2-amyloid load. <i>Current Alzheimer Research</i> , 2013, 10, 48-56.	0.7	24
41	Blood-brain barrier in health and disease. <i>Seminars in Cell and Developmental Biology</i> , 2015, 38, 1.	2.3	21
42	Blood-brain Barrier Dysfunction and Astrocyte Senescence as Reciprocal Drivers of Neuropathology in Aging. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6217.	1.8	19
43	Hormonal Regulation of Oligodendrogenesis I: Effects across the Lifespan. <i>Biomolecules</i> , 2021, 11, 283.	1.8	18
44	Review : The Vicious Circle of Stress and Anticholinesterase Responses. <i>Neuroscientist</i> , 1999, 5, 173-183.	2.6	17
45	Blood-brain barrier dysfunction in canine epileptic seizures detected by dynamic contrast-enhanced magnetic resonance imaging. <i>Epilepsia</i> , 2019, 60, 1005-1016.	2.6	17
46	Regional gray matter oligodendrocyte- and myelin-related measures are associated with differential susceptibility to stress-induced behavior in rats and humans. <i>Translational Psychiatry</i> , 2021, 11, 631.	2.4	16
47	Hormonal Regulation of Oligodendrogenesis II: Implications for Myelin Repair. <i>Biomolecules</i> , 2021, 11, 290.	1.8	15
48	Juvenile exposure to acute traumatic stress leads to long-lasting alterations in grey matter myelination in adult female but not male rats. <i>Neurobiology of Stress</i> , 2021, 14, 100319.	1.9	15
49	Concussion susceptibility is mediated by spreading depolarization-induced neurovascular dysfunction. <i>Brain</i> , 2022, 145, 2049-2063.	3.7	8
50	Brainstem and Cortical Spreading Depolarization in a Closed Head Injury Rat Model. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11642.	1.8	7
51	The Role of RFamide-Related Peptide-3 in Age-Related Reproductive Decline in Female Rats. <i>Frontiers in Endocrinology</i> , 2016, 7, 71.	1.5	5
52	Neural activation associated with outgroup helping in adolescent rats. <i>iScience</i> , 2022, 25, 104412.	1.9	5
53	Blood-brain Barrier Disruption. , 2017, , 951-959.		2
54	Contribution of Early Life Stress to Anxiety Disorder. , 0, , 189-205.		2

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55	Catecholamines and Stress. , 0, , 19-35.		2
56	Stress Effects on Immunity in Vertebrates and Invertebrates. , 0, , 207-227.		1
57	Individual Differences in Reactivity to Social Stress in the Laboratory and Its Mediation by Common Genetic Polymorphisms. , 0, , 93-116.		1
58	Corticotropin-Releasing Factor (CRF) and CRF-Related Peptides- a Linkage Between Stress and Anxiety. , 0, , 151-165.		1
59	Less stress " more pressure?. Nature Medicine, 1997, 3, 366-366.	15.2	0
60	As We Age, The "Shield" That Protects the Brain Gets Leaky. Frontiers for Young Minds, 0, 8, .	0.8	0
61	Quand le bouclier du cerveau se fissure   . , 2021, NÂ° 137, 16-23.		0
62	Immunity to Self Maintains Resistance to Mental Stress: Boosting Immunity as a Complement to Psychological Therapy. , 0, , 229-242.		0
63	Brain Interleukin-1 (IL-1) Mediates Stress-Induced Alterations in HPA Activation, Memory Functioning and Neural Plasticity. , 0, , 243-260.		0
64	Stress and Neurodegeneration: Adding Insult to Injury?. , 0, , 297-316.		0
65	Stress and Neurotransmission: Clinical Evidence and Therapeutic Implications. , 0, , 317-330.		0
66	Metabolic Components of Neuroendocrine Allostatic Responses: Implications in Lifestyle-Related Diseases. , 0, , 331-347.		0
67	Stress and the Cholinergic System. , 0, , 37-51.		0