

# Hans-Christian Pape

## List of Publications by Year in descending order

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84  
papers

6,293  
citations

66343

42  
h-index

66911

78  
g-index

85  
all docs

85  
docs citations

85  
times ranked

5752  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plastic Synaptic Networks of the Amygdala for the Acquisition, Expression, and Extinction of Conditioned Fear. <i>Physiological Reviews</i> , 2010, 90, 419-463.	28.8	871
2	Amygdalar and Hippocampal Theta Rhythm Synchronization During Fear Memory Retrieval. <i>Science</i> , 2003, 301, 846-850.	12.6	662
3	Absence epilepsy and sinus dysrhythmia in mice lacking the pacemaker channel HCN2. <i>EMBO Journal</i> , 2003, 22, 216-224.	7.8	471
4	Neuropeptide S-Mediated Control of Fear Expression and Extinction: Role of Intercalated GABAergic Neurons in the Amygdala. <i>Neuron</i> , 2008, 59, 298-310.	8.1	271
5	Patterns of Coupled Theta Activity in Amygdala-Hippocampal-Prefrontal Cortical Circuits during Fear Extinction. <i>PLoS ONE</i> , 2011, 6, e21714.	2.5	220
6	Single dose of <sc>l</sc>-dopa makes extinction memories context-independent and prevents the return of fear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2428-36.	7.1	169
7	Generalisation of conditioned fear and its behavioural expression in mice. <i>Behavioural Brain Research</i> , 2003, 145, 89-98.	2.2	137
8	Relations between cortical and thalamic cellular activities during absence seizures in rats. <i>European Journal of Neuroscience</i> , 1998, 10, 1103-1112.	2.6	135
9	Theta activity in neurons and networks of the amygdala related to long-term fear memory. <i>Hippocampus</i> , 2005, 15, 874-880.	1.9	129
10	Neuropeptide S: A transmitter system in the brain regulating fear and anxiety. <i>Neuropharmacology</i> , 2010, 58, 29-34.	4.1	125
11	Two Types of Intrinsic Oscillations in Neurons of the Lateral and Basolateral Nuclei of the Amygdala. <i>Journal of Neurophysiology</i> , 1998, 79, 205-216.	1.8	108
12	Cannabinoid CB1 Receptor in Dorsal Telencephalic Glutamatergic Neurons: Distinctive Sufficiency for Hippocampus-Dependent and Amygdala-Dependent Synaptic and Behavioral Functions. <i>Journal of Neuroscience</i> , 2013, 33, 10264-10277.	3.6	108
13	Putative Cortical and Thalamic Inputs Elicit Convergent Excitation in a Population of GABAergic Interneurons of the Lateral Amygdala. <i>Journal of Neuroscience</i> , 2000, 20, 8909-8915.	3.6	105
14	Neuropeptide S Enhances Memory During the Consolidation Phase and Interacts with Noradrenergic Systems in the Brain. <i>Neuropsychopharmacology</i> , 2011, 36, 744-752.	5.4	105
15	Impaired Regulation of Thalamic Pacemaker Channels through an Imbalance of Subunit Expression in Absence Epilepsy. <i>Journal of Neuroscience</i> , 2005, 25, 9871-9882.	3.6	103
16	Dissociated theta phase synchronization in amygdalo-hippocampal circuits during various stages of fear memory. <i>European Journal of Neuroscience</i> , 2007, 25, 1823-1831.	2.6	98
17	Social Defeat: Impact on Fear Extinction and Amygdala-Prefrontal Cortical Theta Synchrony in 5-HTT Deficient Mice. <i>PLoS ONE</i> , 2011, 6, e22600.	2.5	97
18	Critical role of the 65-kDa isoform of glutamic acid decarboxylase in consolidation and generalization of Pavlovian fear memory. <i>Learning and Memory</i> , 2008, 15, 163-171.	1.3	95

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19	Ionic Mechanisms of Intrinsic Oscillations in Neurons of the Basolateral Amygdaloid Complex. <i>Journal of Neurophysiology</i> , 1998, 79, 217-226.	1.8	91
20	Deficiency of the 65 kDa Isoform of Glutamic Acid Decarboxylase Impairs Extinction of Cued But Not Contextual Fear Memory. <i>Journal of Neuroscience</i> , 2009, 29, 15713-15720.	3.6	90
21	Prevention of Stress-Impaired Fear Extinction Through Neuropeptide S Action in the Lateral Amygdala. <i>Neuropsychopharmacology</i> , 2012, 37, 1588-1599.	5.4	88
22	Directional Theta Coherence in Prefrontal Cortical to Amygdalo-Hippocampal Pathways Signals Fear Extinction. <i>PLoS ONE</i> , 2013, 8, e77707.	2.5	86
23	Short-Term Adaptation of Conditioned Fear Responses Through Endocannabinoid Signaling in the Central Amygdala. <i>Neuropsychopharmacology</i> , 2011, 36, 652-663.	5.4	84
24	Identification of Genes Expressed in the Amygdala During the Formation of Fear Memory. <i>Learning and Memory</i> , 2001, 8, 209-219.	1.3	73
25	Correlation of T-channel coding gene expression, IT, and the low threshold Ca <sup>2+</sup> spike in the thalamus of a rat model of absence epilepsy. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 384-399.	2.2	73
26	Postsynaptic Mechanisms Underlying Responsiveness of Amygdaloid Neurons to Nociceptin/Orphanin FQ. <i>Journal of Neuroscience</i> , 1998, 18, 8133-8144.	3.6	72
27	Contribution of intralaminar thalamic nuclei to spike-and-wave-discharges during spontaneous seizures in a genetic rat model of absence epilepsy. <i>European Journal of Neuroscience</i> , 2001, 13, 1537-1546.	2.6	71
28	Contribution of GABA <sub>A</sub> and GABA <sub>B</sub> Receptors to Thalamic Neuronal Activity during Spontaneous Absence Seizures in Rats. <i>Journal of Neuroscience</i> , 2001, 21, 1378-1384.	3.6	69
29	GABAergic Interneurons in the Mouse Lateral Amygdala: A Classification Study. <i>Journal of Neurophysiology</i> , 2010, 104, 617-626.	1.8	69
30	Classification of projection neurons and interneurons in the rat lateral amygdala based upon cluster analysis. <i>Molecular and Cellular Neurosciences</i> , 2006, 33, 57-67.	2.2	64
31	Input-Specific Long-Term Depression in the Lateral Amygdala Evoked by Theta Frequency Stimulation. <i>Journal of Neuroscience</i> , 2000, 20, RC68-RC68.	3.6	60
32	Theta resynchronization during reconsolidation of remote contextual fear memory. <i>NeuroReport</i> , 2007, 18, 1107-1111.	1.2	55
33	Neuropeptide Y activates a G-protein-coupled inwardly rectifying potassium current and dampens excitability in the lateral amygdala. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 491-498.	2.2	55
34	Glutamic Acid Decarboxylase 65: A Link Between GABAergic Synaptic Plasticity in the Lateral Amygdala and Conditioned Fear Generalization. <i>Neuropsychopharmacology</i> , 2014, 39, 2211-2220.	5.4	51
35	Novel vistas of calcium-mediated signalling in the thalamus. <i>Pflugers Archiv European Journal of Physiology</i> , 2004, 448, 131-138.	2.8	49
36	Postsynaptic mechanisms underlying responsiveness of amygdaloid neurons to cholecystokinin are mediated by a transient receptor potential-like current. <i>Molecular and Cellular Neurosciences</i> , 2007, 35, 356-367.	2.2	49

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37	Burst discharges in neurons of the thalamic reticular nucleus are shaped by calcium-induced calcium release. <i>Cell Calcium</i> , 2009, 46, 333-346.	2.4	49
38	Contribution of NR2B Subunits to Synaptic Transmission in Amygdaloid Interneurons. <i>Journal of Neuroscience</i> , 2003, 23, 2549-2556.	3.6	46
39	Increased in vivo release of neuropeptide S in the amygdala of freely moving rats after local depolarisation and emotional stress. <i>Amino Acids</i> , 2011, 41, 991-996.	2.7	46
40	Spreading depression triggers ictal activity in partially disinhibited neuronal tissues. <i>Experimental Neurology</i> , 2014, 253, 1-15.	4.1	46
41	Neuropeptide S receptor gene is associated with cortisol responses to social stress in humans. <i>Biological Psychology</i> , 2013, 93, 304-307.	2.2	45
42	Expression of freezing and fear-potentiated startle during sustained fear in mice. <i>Genes, Brain and Behavior</i> , 2015, 14, 281-291.	2.2	45
43	Seizure-related activity of intralaminar thalamic neurons in a genetic model of absence epilepsy. <i>Neurobiology of Disease</i> , 2011, 43, 266-274.	4.4	43
44	Δ-Opioid Receptor-Mediated Inhibition of Intercalated Neurons and Effect on Synaptic Transmission to the Central Amygdala. <i>Journal of Neuroscience</i> , 2015, 35, 7317-7325.	3.6	43
45	Specific expression of low-voltage-activated calcium channel isoforms and splice variants in thalamic local circuit interneurons. <i>Molecular and Cellular Neurosciences</i> , 2007, 36, 132-145.	2.2	42
46	Mechanisms and functional significance of a slow inhibitory potential in neurons of the lateral amygdala. <i>European Journal of Neuroscience</i> , 1998, 10, 853-867.	2.6	38
47	Plasticity of inhibitory synaptic network interactions in the lateral amygdala upon fear conditioning in mice. <i>European Journal of Neuroscience</i> , 2007, 25, 1205-1211.	2.6	38
48	Activation of neuropeptide S-expressing neurons in the locus coeruleus by corticotropin-releasing factor. <i>Journal of Physiology</i> , 2012, 590, 3701-3717.	2.9	38
49	Role of the somatostatin system in contextual fear memory and hippocampal synaptic plasticity. <i>Learning and Memory</i> , 2008, 15, 252-260.	1.3	35
50	Impaired extinction of fear and maintained amygdala-hippocampal theta synchrony in a mouse model of temporal lobe epilepsy. <i>Epilepsia</i> , 2011, 52, 337-346.	5.1	34
51	Neuronal correlates of sustained fear in the anterolateral part of the bed nucleus of stria terminalis. <i>Neurobiology of Learning and Memory</i> , 2016, 131, 137-146.	1.9	32
52	Mechanisms of somatostatin-evoked responses in neurons of the rat lateral amygdala. <i>European Journal of Neuroscience</i> , 2005, 21, 755-762.	2.6	29
53	Neuronal Expression of the Human Neuropeptide S Receptor NPSR1 Identifies NPS-Induced Calcium Signaling Pathways. <i>PLoS ONE</i> , 2015, 10, e0117319.	2.5	25
54	The quality of cortical network function recovery depends on localization and degree of axonal demyelination. <i>Brain, Behavior, and Immunity</i> , 2017, 59, 103-117.	4.1	25

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55	Spike-wave discharges in absence epilepsy: segregation of electrographic components reveals distinct pathways of seizure activity. <i>Journal of Physiology</i> , 2020, 598, 2397-2414.	2.9	25
56	Increased GABAergic Efficacy of Central Amygdala Projections to Neuropeptide S Neurons in the Brainstem During Fear Memory Retrieval. <i>Neuropsychopharmacology</i> , 2015, 40, 2753-2763.	5.4	24
57	On the objectivity, reliability, and validity of deep learning enabled bioimage analyses. <i>ELife</i> , 2020, 9, .	6.0	24
58	Neuropeptide S precursor knockout mice display memory and arousal deficits. <i>European Journal of Neuroscience</i> , 2017, 46, 1689-1700.	2.6	23
59	Regional specificity of cortico-thalamic coupling strength and directionality during waxing and waning of spike and wave discharges. <i>Scientific Reports</i> , 2019, 9, 2100.	3.3	23
60	Short-term depression of gap junctional coupling in reticular thalamic neurons of absence epileptic rats. <i>Journal of Physiology</i> , 2016, 594, 5695-5710.	2.9	18
61	Differential regulation of glutamic acid decarboxylase gene expression after extinction of a recent memory vs. intermediate memory. <i>Learning and Memory</i> , 2012, 19, 194-200.	1.3	17
62	Distinct state anxiety after predictable and unpredictable fear training in mice. <i>Behavioural Brain Research</i> , 2016, 304, 20-23.	2.2	16
63	Impairment of frequency-specific responses associated with altered electrical activity patterns in auditory thalamus following focal and general demyelination. <i>Experimental Neurology</i> , 2018, 309, 54-66.	4.1	15
64	Molecular and functional properties of neurons in the human lateral amygdala. <i>Molecular and Cellular Neurosciences</i> , 2006, 31, 210-217.	2.2	14
65	Neuropeptide Y2 receptors in anteroventral BNST control remote fear memory depending on extinction training. <i>Neurobiology of Learning and Memory</i> , 2018, 149, 144-153.	1.9	14
66	mGluR-mediated calcium signalling in the thalamic reticular nucleus. <i>Cell Calcium</i> , 2016, 59, 312-323.	2.4	13
67	Petrified or Aroused with Fear: The Central Amygdala Takes the Lead. <i>Neuron</i> , 2010, 67, 527-529.	8.1	11
68	Impact of Life History on Fear Memory and Extinction. <i>Frontiers in Behavioral Neuroscience</i> , 2016, 10, 185.	2.0	11
69	Abnormalities in GABAergic synaptic transmission of intralaminar thalamic neurons in a genetic rat model of absence epilepsy. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 444-451.	2.2	10
70	Physiological Profile of Neuropeptide Y-Expressing Neurons in Bed Nucleus of Stria Terminalis in Mice: State of High Excitability. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 393.	3.7	10
71	The $\mu$ -opioid system in midline thalamic nuclei modulates defence strategies towards a conditioned fear stimulus in male mice. <i>Journal of Psychopharmacology</i> , 2020, 34, 1280-1288.	4.0	10
72	Human-Specific Neuropeptide S Receptor Variants Regulate Fear Extinction in the Basal Amygdala of Male and Female Mice Depending on Threat Salience. <i>Biological Psychiatry</i> , 2021, 90, 145-155.	1.3	10

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73	Single stimulation of Y2 receptors in BNSTav facilitates extinction and dampens reinstatement of fear. <i>Psychopharmacology</i> , 2019, 236, 281-291.	3.1	9
74	Alteration of NMDA receptor-mediated synaptic interactions in the lateral amygdala associated with seizure activity in a mouse model of chronic temporal lobe epilepsy. <i>Epilepsia</i> , 2010, 51, 1754-1762.	5.1	8
75	Brain-Derived Neurotrophic Factor/Tropomyosin Receptor Kinase B Signaling Controls Excitability and Long-Term Depression in Oval Nucleus of the BNST. <i>Journal of Neuroscience</i> , 2021, 41, 435-445.	3.6	8
76	Functional deletion of neuropeptide Y receptors type 2 in local synaptic networks of anteroventral BNST facilitates recall and increases return of fear. <i>Molecular Psychiatry</i> , 2021, 26, 2900-2911.	7.9	6
77	Neuronale Schaltkreise von Furchtgedächtnis und Furchtextinktion. <i>E-Neuroforum</i> , 2013, 19, 92-103.	0.1	5
78	Dynorphin-Dependent Reduction of Excitability and Attenuation of Inhibitory Afferents of NPS Neurons in the Pericoerulear Region of Mice. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 61.	3.7	4
79	Stimulation of 5-HT receptors in anterodorsal BNST guides fear to predictable and unpredictable threat. <i>European Neuropsychopharmacology</i> , 2020, 39, 56-69.	0.7	4
80	A special issue on sleep. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 463, 1-2.	2.8	3
81	Neuropeptide S Receptor Stimulation Excites Principal Neurons in Murine Basolateral Amygdala through a Calcium-Dependent Decrease in Membrane Potassium Conductance. <i>Pharmaceuticals</i> , 2021, 14, 519.	3.8	1
82	Neuropeptid S: Ein neues Transmittersystem im Gehirn. <i>E-Neuroforum</i> , 2009, 15, 56-62.	0.1	0
83	24 Integrative Funktionen des Gehirns. , 2018, , .		0
84	Seizure prediction in genetic rat models of absence epilepsy: improved performance through multiple-site cortico-thalamic recordings combined with machine learning. <i>ENeuro</i> , 2021, , ENEURO.0160-21.2021.	1.9	0