

Klaus Heese

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

3,330
citations

30
h-index

56
g-index

102
ext. papers

3,664
ext. citations

4.9
avg, IF

5.27
L-index

#	Paper	IF	Citations
97	Region-specific neurotrophin imbalances in Alzheimer disease: decreased levels of brain-derived neurotrophic factor and increased levels of nerve growth factor in hippocampus and cortical areas. <i>Archives of Neurology</i> , 2000 , 57, 846-51		400
96	Inflammatory signals induce neurotrophin expression in human microglial cells. <i>Journal of Neurochemistry</i> , 1998 , 70, 699-707	6	220
95	Role of interleukin-6 and soluble IL-6 receptor in region-specific induction of astrocytic differentiation and neurotrophin expression. <i>Glia</i> , 1999 , 26, 191-200	9	131
94	Brain-derived neurotrophic factor (BDNF) has proliferative effects on neural stem cells through the truncated TRK-B receptor, MAP kinase, AKT, and STAT-3 signaling pathways. <i>Current Neurovascular Research</i> , 2009 , 6, 42-53	1.8	124
93	Characterization of lignocellulolytic enzymes from white-rot fungi. <i>Current Microbiology</i> , 2015 , 70, 485-98.4		122
92	Interleukin-6 and neural stem cells: more than gliogenesis. <i>Molecular Biology of the Cell</i> , 2009 , 20, 188-99.5		121
91	The Bad guy cooperates with good cop p53: Bad is transcriptionally up-regulated by p53 and forms a Bad/p53 complex at the mitochondria to induce apoptosis. <i>Molecular and Cellular Biology</i> , 2006 , 26, 9071-82	4.8	118
90	Nerve growth factor (NGF) expression in rat microglia is induced by adenosine A2a-receptors. <i>Neuroscience Letters</i> , 1997 , 231, 83-6	3.3	102
89	Decreased trkA neurotrophin receptor expression in the parietal cortex of patients with Alzheimer's disease. <i>Neuroscience Letters</i> , 1998 , 241, 151-4	3.3	102
88	ABC transporters, neural stem cells and neurogenesis--a different perspective. <i>Cell Research</i> , 2006 , 16, 857-71	24.7	80
87	GABA(B) receptor antagonists elevate both mRNA and protein levels of the neurotrophins nerve growth factor (NGF) and brain-derived neurotrophic factor (BDNF) but not neurotrophin-3 (NT-3) in brain and spinal cord of rats. <i>Neuropharmacology</i> , 2000 , 39, 449-62	5.5	78
86	Brain site-specific proteome changes in aging-related dementia. <i>Experimental and Molecular Medicine</i> , 2013 , 45, e39	12.8	77
85	NF-kappaB modulates lipopolysaccharide-induced microglial nerve growth factor expression. <i>Glia</i> , 1998 , 22, 401-7	9	75
84	Livin promotes Smac/DIABLO degradation by ubiquitin-proteasome pathway. <i>Cell Death and Differentiation</i> , 2006 , 13, 2079-88	12.7	75
83	Nerve growth factor, neural stem cells and Alzheimer's disease. <i>NeuroSignals</i> , 2006 , 15, 1-12	1.9	73
82	Interleukin-6 (IL-6) and soluble forms of IL-6 receptors are not altered in cerebrospinal fluid of Alzheimer's disease patients. <i>Neuroscience Letters</i> , 1997 , 239, 29-32	3.3	72
81	Brain site-specific gene expression analysis in Alzheimer's disease patients. <i>European Journal of Clinical Investigation</i> , 2006 , 36, 820-30	4.6	72

80	Characterization of optimized production, purification and application of laccase from <i>Ganoderma lucidum</i> . <i>Biochemical Engineering Journal</i> , 2013 , 70, 106-114	4.2	66
79	The Ubiquitin-Proteasome System and Molecular Chaperone Deregulation in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2016 , 53, 905-931	6.2	61
78	Secretome analysis of <i>Ganoderma lucidum</i> cultivated in sugarcane bagasse. <i>Journal of Proteomics</i> , 2012 , 77, 298-309	3.9	59
77	Cytokines and neurotrophins interact in normal and diseased states. <i>Annals of the New York Academy of Sciences</i> , 2000 , 917, 322-30	6.5	57
76	Phenotyping of an in vitro model of ischemic penumbra by iTRAQ-based shotgun quantitative proteomics. <i>Journal of Proteome Research</i> , 2010 , 9, 472-84	5.6	56
75	Increased cerebrospinal fluid levels of neurotrophin 3 (NT-3) in elderly patients with major depression. <i>Molecular Psychiatry</i> , 2000 , 5, 510-3	15.1	52
74	Expression of interleukin-6 and its receptor in the sciatic nerve and cultured Schwann cells: relation to 18-kD fibroblast growth factor-2. <i>Brain Research</i> , 2000 , 885, 172-81	3.7	52
73	Quantitative neuroproteomics of an in vivo rodent model of focal cerebral ischemia/reperfusion injury reveals a temporal regulation of novel pathophysiological molecular markers. <i>Journal of Proteome Research</i> , 2011 , 10, 5199-213	5.6	46
72	Modulation of mRNA expression of the neurotrophins of the nerve growth factor family and their receptors in the septum and hippocampus of rats after transient postnatal thyroxine treatment. I. Expression of nerve growth factor, brain-derived neurotrophic factor, neurotrophin-3, and neurotrophin 4 mRNA. <i>Experimental Brain Research</i> , 1998 , 119, 1-8	2.3	41
71	Alzheimer's disease--an interactive perspective. <i>Current Alzheimer Research</i> , 2006 , 3, 109-21	3	41
70	Increased CSF levels of nerve growth factor in patients with Alzheimer's disease. <i>Neurology</i> , 2000 , 54, 2009-11	6.5	41
69	Neurotrophin Signaling and Stem Cells-Implications for Neurodegenerative Diseases and Stem Cell Therapy. <i>Molecular Neurobiology</i> , 2017 , 54, 7401-7459	6.2	33
68	Characterizing the new transcription regulator protein p60TRP. <i>Journal of Cellular Biochemistry</i> , 2004 , 91, 1030-42	4.7	30
67	Neurotrophin-4 (ntf4) mediates neurogenesis in mouse embryonic neural stem cells through the inhibition of the signal transducer and activator of transcription-3 (stat3) and the modulation of the activity of protein kinase B. <i>Cellular and Molecular Neurobiology</i> , 2010 , 30, 909-16	4.6	28
66	Quantitative clinical proteomic study of autopsied human infarcted brain specimens to elucidate the deregulated pathways in ischemic stroke pathology. <i>Journal of Proteomics</i> , 2013 , 91, 556-68	3.9	27
65	<i>Gastrodia elata</i> modulates amyloid precursor protein cleavage and cognitive functions in mice. <i>BioScience Trends</i> , 2011 , 5, 129-38	9.9	26
64	The novel protein MANI modulates neurogenesis and neurite-cone growth. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 1713-25	5.6	25
63	New insights into the brain protein metabolism of <i>Gastrodia elata</i> -treated rats by quantitative proteomics. <i>Journal of Proteomics</i> , 2012 , 75, 2468-79	3.9	23

62	Identification and characterisation of the novel amyloid-beta peptide-induced protein p17. <i>FEBS Letters</i> , 2009 , 583, 3247-53	3.8	22
61	Death effector domain DEDa, a self-cleaved product of caspase-8/Mch5, translocates to the nucleus by binding to ERK1/2 and upregulates procaspase-8 expression via a p53-dependent mechanism. <i>EMBO Journal</i> , 2007 , 26, 1068-80	13	22
60	Cardiovascular dementia - a different perspective. <i>The Open Biochemistry Journal</i> , 2010 , 4, 29-52	0.9	21
59	Tianma modulates proteins with various neuro-regenerative modalities in differentiated human neuronal SH-SY5Y cells. <i>Neurochemistry International</i> , 2012 , 60, 827-36	4.4	20
58	A cancer tissue-specific FAM72 expression profile defines a novel glioblastoma multiform (GBM) gene-mutation signature. <i>Journal of Neuro-Oncology</i> , 2019 , 141, 57-70	4.8	20
57	P60TRP interferes with the GPCR/secretase pathway to mediate neuronal survival and synaptogenesis. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 2462-77	5.6	19
56	Gastrodia elata Blume (tianma) mobilizes neuro-protective capacities. <i>International Journal of Biochemistry and Molecular Biology</i> , 2012 , 3, 219-41	0.4	19
55	Brain-site-specific proteome changes induced by neuronal P60TRP expression. <i>NeuroSignals</i> , 2013 , 21, 129-49	1.9	17
54	Phenotyping of tianma-stimulated differentiated rat neuronal b104 cells by quantitative proteomics. <i>NeuroSignals</i> , 2012 , 20, 48-60	1.9	17
53	Tianma modulates blood vessel tonicity. <i>The Open Biochemistry Journal</i> , 2012 , 6, 56-65	0.9	16
52	Establishing a human adrenocortical carcinoma (ACC)-specific gene mutation signature. <i>Cancer Genetics</i> , 2019 , 230, 1-12	2.3	16
51	NF-kappaB regulates B-cell-derived nerve growth factor expression. <i>Cellular and Molecular Immunology</i> , 2006 , 3, 63-6	15.4	16
50	All-or-(N)One - an epistemological characterization of the human tumorigenic neuronal paralogous FAM72 gene loci. <i>Genomics</i> , 2015 , 106, 278-85	4.3	14
49	Identification of a new synaptic vesicle protein 2B mRNA transcript which is up-regulated in neurons by amyloid beta peptide fragment (1-42). <i>Biochemical and Biophysical Research Communications</i> , 2001 , 289, 924-8	3.4	14
48	Modulation of mRNA expression of the neurotrophins of the nerve-growth-factor family and their receptors in the septum and hippocampus of rats after transient postnatal thyroxine treatment. II. Effects on p75 and trk receptor expression. <i>Experimental Brain Research</i> , 1999 , 127, 307-13	2.3	14
47	Characterization of a novel endoglucanase from <i>Ganoderma lucidum</i> . <i>Journal of Basic Microbiology</i> , 2015 , 55, 761-71	2.7	13
46	Induction of rat L-phosphoserine phosphatase by amyloid-beta (1-42) is inhibited by interleukin-11. <i>Neuroscience Letters</i> , 2000 , 288, 37-40	3.3	13
45	The protein p17 signaling pathways in cancer. <i>Tumor Biology</i> , 2013 , 34, 4081-7	2.9	11

44	Lead discovery and in silico 3D structure modeling of tumorigenic FAM72A (p17). <i>Tumor Biology</i> , 2015 , 36, 239-49	2.9	11
43	Effects of high glucose on cytokine-induced nerve growth factor (NGF) expression in rat renal mesangial cells. <i>Biochemical Pharmacology</i> , 2003 , 65, 293-301	6	11
42	Characterization of a solvent, surfactant and temperature-tolerant laccase from <i>Pleurotus</i> sp. MAK-II and its dye decolorizing property. <i>Biotechnology Letters</i> , 2015 , 37, 2403-9	3	10
41	Functional repertoire of interleukin-6 in the central nervous system - a review. <i>Restorative Neurology and Neuroscience</i> , 2017 , 35, 693-701	2.8	9
40	Neuronal p60TRP expression modulates cardiac capacity. <i>Journal of Proteomics</i> , 2012 , 75, 1600-17	3.9	9
39	G proteins, p60TRP, and neurodegenerative diseases. <i>Molecular Neurobiology</i> , 2013 , 47, 1103-11	6.2	9
38	Ageing, dementia and society - an epistemological perspective. <i>SpringerPlus</i> , 2015 , 4, 135		9
37	Interleukin-6-Mediated Induced Pluripotent Stem Cell (iPSC)-Derived Neural Differentiation. <i>Molecular Neurobiology</i> , 2018 , 55, 3513-3522	6.2	8
36	Proteomics in Traditional Chinese Medicine with an Emphasis on Alzheimer's Disease. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 393510	2.3	8
35	The 3' untranslated region of the new rat synaptic vesicle protein 2B mRNA transcript inhibits translational efficiency. <i>Molecular Brain Research</i> , 2002 , 104, 127-31		8
34	Cognitive Functions: Human vs. Animal Advantage -FAM72-SRGAP2-. <i>Journal of Molecular Neuroscience</i> , 2017 , 61, 603-606	3.3	7
33	CRISPR-mediated upregulation of DR5 and downregulation of cFLIP synergistically sensitize HeLa cells to TRAIL-mediated apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 512, 60-65	3.4	6
32	Improvement of Saccharification and Delignification Efficiency of Rut-C30 by Genetic Bioengineering. <i>Microorganisms</i> , 2020 , 8,	4.9	6
31	Neurotrophins - More than Neurotrophic. <i>Current Immunology Reviews</i> , 2007 , 3, 189-215	1.3	6
30	Characterizing CGI-94 (comparative gene identification-94) which is down-regulated in the hippocampus of early stage Alzheimer's disease brain. <i>European Journal of Neuroscience</i> , 2002 , 15, 79-86	3.5	6
29	Signals regulating neurotrophin expression in glial cells. <i>Progress in Brain Research</i> , 2001 , 132, 545-54	2.9	6
28	<i>Gastrodia elata</i> decreases isoprenaline potency and enhances spontaneous phasic activity in the rat detrusor. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2011 , 3, 29-37	3.4	6
27	3D Structure, Dimerization Modeling, and Lead Discovery by Ligand-protein Interaction Analysis of p60 Transcription Regulator Protein (p60TRP). <i>Molecular Informatics</i> , 2016 , 35, 99-108	3.8	6

26	Brain plasticity, cognitive functions and neural stem cells: a pivotal role for the brain-specific neural master gene β -SRGAP2-FAM72- β . <i>Biological Chemistry</i> , 2017 , 399, 55-61	4.5	5
25	Characterizing the novel protein p33MONOX. <i>Molecular and Cellular Biochemistry</i> , 2011 , 350, 127-34	4.2	5
24	Nerve growth factor (NGF) induces mRNA expression of the new transcription factor protein p48ZnF. <i>Experimental and Molecular Medicine</i> , 2004 , 36, 130-4	12.8	5
23	Blume (Tianma): Hope for Brain Aging and Dementia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 8870148	2.3	5
22	The splicing regulatory protein p18SRP is down-regulated in Alzheimer's disease brain. <i>Journal of Molecular Neuroscience</i> , 2004 , 24, 269-76	3.3	4
21	Identification of a Novel Thermostable Alkaline Protease from <i>T. TK1</i> for the Detergent and Leather Industry. <i>Biology</i> , 2020 , 9,	4.9	4
20	APP, NGF & the β -Secretase in a Trolley on the Road. <i>Restorative Neurology and Neuroscience</i> , 2004 , 22, 131-6	2.8	4
19	A novel specialized single-linkage clustering algorithm for taxonomically ordered data. <i>Journal of Theoretical Biology</i> , 2017 , 427, 1-7	2.3	3
18	Characterization of a Solvent-Tolerant Manganese Peroxidase (MnP) from <i>Ganoderma Lucidum</i> and Its Application in Fruit Juice Clarification. <i>Journal of Food Biochemistry</i> , 2015 , 39, 754-764	3.3	3
17	Thymine distribution in genes provides novel insight into the functional significance of the proteome of the malaria parasite <i>Plasmodium falciparum</i> 3D7. <i>Bioinformatics</i> , 2014 , 30, 597-600	7.2	3
16	Characterizing the neurite outgrowth inhibitory effect of Mani. <i>FEBS Letters</i> , 2012 , 586, 3018-23	3.8	3
15	Ligand-dependent activation of the chimeric tumor necrosis factor receptor-amyloid precursor protein (APP) reveals increased APP processing and suppressed neuronal differentiation. <i>NeuroSignals</i> , 2010 , 18, 9-23	1.9	3
14	Phytochemical Profiling in Conjunction with and Studies to Identify Human β -Amylase Inhibitors in (Lam.) De Wit for the Treatment of Diabetes Mellitus. <i>ACS Omega</i> , 2021 , 6, 19045-19057	3.9	3
13	A Novel Divergent Gene Transcription Paradigm-the Decisive, Brain-Specific, Neural β -Srgap2-Fam72a- β Master Gene Paradigm. <i>Molecular Neurobiology</i> , 2019 , 56, 5891-5899	6.2	2
12	Accurate high throughput alignment via line sweep-based seed processing. <i>Nature Communications</i> , 2019 , 10, 1939	17.4	2
11	Proteomic Atomics Reveals a Distinctive Uracil-5-Methyltransferase. <i>Molecular Informatics</i> , 2020 , 39, e1900135	3.8	2
10	Oxygen distribution in proteins defines functional significance of the genome and proteome of the malaria parasite <i>Plasmodium falciparum</i> 3D7. <i>FEMS Microbiology Letters</i> , 2014 , 351, 59-63	2.9	2
9	Mechanism Study of Traditional Medicine Using Proteomics Alone or Integrated with Other Systems Biology Technologies. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 828159	2.3	2

8	Characterization of the novel protein P9TLDR (temporal lobe down-regulated) with a brain-site-specific gene expression modality in Alzheimer's disease brain. <i>FEBS Letters</i> , 2012 , 586, 4357-61	3.8	2
7	Identification of rTid-1, the rat homologue of the drosophila tumor suppressor l(2)tid gene. <i>Molecular and Cellular Biochemistry</i> , 2004 , 258, 183-9	4.2	2
6	FAM72, Glioblastoma Multiforme (GBM) and Beyond. <i>Cancers</i> , 2021 , 13,	6.6	2
5	Glutamate E15 and E171 are Hotspots in p60TRP-Related Cancer. <i>Cancer Investigation</i> , 2016 , 34, 64-9	2.1	1
4	Establishing an in vivo p48ZnF bioluminescence mouse brain imaging model. <i>Neuroscience Letters</i> , 2013 , 542, 97-101	3.3	1
3	Comparative gene identification-94--a pivotal regulator of apoptosis. <i>Neuroscience</i> , 2003 , 116, 321-4	3.9	1
2	Identification of a Chemotherapeutic Lead Molecule for the Potential Disruption of the FAM72A-UNG2 Interaction to Interfere with Genome Stability, Centromere Formation, and Genome Editing. <i>Cancers</i> , 2021 , 13,	6.6	1
1	Livebearing or egg-laying mammals: 27 decisive nucleotides of FAM168. <i>BioScience Trends</i> , 2017 , 11, 169-178	9.9	0