Klaus Heese

List of Publications by Year
in descending order

100 papers	3,998 citations	147726 31 h-index	128225 60 g-index
102 all docs	102 docs citations	102 times ranked	5600 citing authors

#	Article	IF	Citations
1	Region-Specific Neurotrophin Imbalances in Alzheimer Disease. Archives of Neurology, 2000, 57, 846.	4.9	461
2	Inflammatory Signals Induce Neurotrophin Expression in Human Microglial Cells. Journal of Neurochemistry, 1998, 70, 699-707.	2.1	249
3	Characterization of Lignocellulolytic Enzymes from White-Rot Fungi. Current Microbiology, 2015, 70, 485-498.	1.0	170
4	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. Current Neurovascular Research, 2009, 6, 42-53.	0.4	154
5	Role of interleukinâ€6 and soluble ILâ€6 receptor in regionâ€specific induction of astrocytic differentiation and neurotrophin expression. Glia, 1999, 26, 191-200.	2.5	148
6	Interleukin-6 and Neural Stem Cells: More Than Gliogenesis. Molecular Biology of the Cell, 2009, 20, 188-199.	0.9	145
7	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. Molecular and Cellular Biology, 2006, 26, 9071-9082.	1.1	134
8	Decreased trkA neurotrophin receptor expression in the parietal cortex of patients with Alzheimer's disease. Neuroscience Letters, 1998, 241, 151-154.	1.0	114
9	Nerve growth factor (NGF) expression in rat microglia is induced by adenosine A2a-receptors. Neuroscience Letters, 1997, 231, 83-86.	1.0	112
10	Brain site-specific proteome changes in aging-related dementia. Experimental and Molecular Medicine, 2013, 45, e39-e39.	3.2	98
11	ABC transporters, neural stem cells and neurogenesis â€“ a different perspective. Cell Research, 2006, 16, 857-871.	5.7	97
12	NF-?B modulates lipopolysaccharide-induced microglial nerve growth factor expression. , 1998, 22, 401-407.		85
13	Nerve Growth Factor, Neural Stem Cells and Alzheimerâ€™s Disease. NeuroSignals, 2006, 15, 1-12.	0.5	84
14	Brain site-specific gene expression analysis in Alzheimer's disease patients. European Journal of Clinical Investigation, 2006, 36, 820-830.	1.7	83
15	Livin promotes Smac/DIABLO degradation by ubiquitinâ€“proteasome pathway. Cell Death and Differentiation, 2006, 13, 2079-2088.	5.0	82
16	GABAB 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. Neuropharmacology, 2000, 39, 449-462.	2.0	78
17	Characterization of optimized production, purification and application of laccase from Ganoderma lucidum. Biochemical Engineering Journal, 2013, 70, 106-114.	1.8	77
18	Interleukin-6 (IL-6) and soluble forms of IL-6 receptors are not altered in cerebrospinal fluid of Alzheimer's disease patients. Neuroscience Letters, 1997, 239, 29-32.	1.0	76

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19	The Ubiquitin-Proteasome System and Molecular Chaperone Deregulation in Alzheimerâ€™s Disease. Molecular Neurobiology, 2016, 53, 905-931.	1.9	74
20	Secretome analysis of Ganoderma lucidum cultivated in sugarcane bagasse. Journal of Proteomics, 2012, 77, 298-309.	1.2	70
21	Cytokines and Neurotrophins Interact in Normal and Diseased States. Annals of the New York Academy of Sciences, 2000, 917, 322-330.	1.8	68
22	Phenotyping of an in Vitro Model of Ischemic Penumbra by iTRAQ-Based Shotgun Quantitative Proteomics. Journal of Proteome Research, 2010, 9, 472-484.	1.8	63
23	Expression of interleukin-6 and its receptor in the sciatic nerve and cultured Schwann cells: relation to 18-kD fibroblast growth factor-2. Brain Research, 2000, 885, 172-181.	1.1	57
24	Quantitative Neuroproteomics of an In Vivo Rodent Model of Focal Cerebral Ischemia/Reperfusion Injury Reveals a Temporal Regulation of Novel Pathophysiological Molecular Markers. Journal of Proteome Research, 2011, 10, 5199-5213.	1.8	57
25	Increased cerebrospinal fluid levels of neurotrophin 3 (NT-3) in elderly patients with major depression. Molecular Psychiatry, 2000, 5, 510-513.	4.1	55
26	Neurotrophin Signaling and Stem Cellsâ€”Implications for Neurodegenerative Diseases and Stem Cell Therapy. Molecular Neurobiology, 2017, 54, 7401-7459.	1.9	49
27	Increased CSF levels of nerve growth factor in patients with Alzheimerâ€™s disease. Neurology, 2000, 54, 2009-2011.	1.5	48
28	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. Experimental Brain Research, 1998, 119, 1-8.	0.7	47
29	Alzheimers Disease - An Interactive Perspective. Current Alzheimer Research, 2006, 3, 109-121.	0.7	44
30	Quantitative clinical proteomic study of autopsied human infarcted brain specimens to elucidate the deregulated pathways in ischemic stroke pathology. Journal of Proteomics, 2013, 91, 556-568.	1.2	36
31	A cancer tissue-specific FAM72 expression profile defines a novel glioblastoma multiform (GBM) gene-mutation signature. Journal of Neuro-Oncology, 2019, 141, 57-70.	1.4	36
32	<i>Gastrodia elata</i> modulates amyloid precursor protein cleavage and cognitive functions in mice. BioScience Trends, 2011, 5, 129-138.	1.1	35
33	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. Cellular and Molecular Neurobiology, 2010, 30, 909-916.	1.7	33
34	Characterizing the new transcription regulator protein p60TRP. Journal of Cellular Biochemistry, 2004, 91, 1030-1042.	1.2	32
35	The novel protein MANI modulates neurogenesis and neurite-cone growth. Journal of Cellular and Molecular Medicine, 2011, 15, 1713-1725.	1.6	28
36	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. EMBO Journal, 2007, 26, 1068-1080.	3.5	26

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37	Identification and characterisation of the novel amyloidâ€beta peptideâ€induced protein p17. FEBS Letters, 2009, 583, 3247-3253.	1.3	26
38	New insights into the brain protein metabolism of Gastrodia elata-treated rats by quantitative proteomics. Journal of Proteomics, 2012, 75, 2468-2479.	1.2	24
39	All-or-(N)One â€“ an epistemological characterization of the human tumorigenic neuronal paralogous FAM72 gene loci. Genomics, 2015, 106, 278-285.	1.3	24
40	P60TRP interferes with the GPCR/secretase pathway to mediate neuronal survival and synaptogenesis. Journal of Cellular and Molecular Medicine, 2011, 15, 2462-2477.	1.6	23
41	Tianma modulates proteins with various neuro-regenerative modalities in differentiated human neuronal SH-SY5Y cells. Neurochemistry International, 2012, 60, 827-836.	1.9	23
42	Cardiovascular Dementia - A Different Perspective. The Open Biochemistry Journal, 2010, 4, 29-52.	0.3	21
43	Gastrodia elata Blume (Tianma): Hope for Brain Aging and Dementia. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-7.	0.5	20
44	Tianma Modulates Blood Vessel Tonicity. The Open Biochemistry Journal, 2012, 6, 56-65.	0.3	19
45	Characterization of a novel endoglucanase from Ganoderma lucidum. Journal of Basic Microbiology, 2015, 55, 761-771.	1.8	19
46	Establishing a human adrenocortical carcinoma (ACC)-specific gene mutation signature. Cancer Genetics, 2019, 230, 1-12.	0.2	19
47	Gastrodia elata Blume (tianma) mobilizes neuro-protective capacities. International Journal of Biochemistry and Molecular Biology, 2012, 3, 219-41.	0.1	19
48	NF-kappaB regulates B-cell-derived nerve growth factor expression. Cellular and Molecular Immunology, 2006, 3, 63-6.	4.8	19
49	Identification of a New Synaptic Vesicle Protein 2B mRNA Transcript Which Is Up-Regulated in Neurons by Amyloid Î² Peptide Fragment (1â€“42). Biochemical and Biophysical Research Communications, 2001, 289, 924-928.	1.0	18
50	Phenotyping of Tianma-Stimulated Differentiated Rat Neuronal B104 Cells by Quantitative Proteomics. NeuroSignals, 2012, 20, 48-60.	0.5	18
51	Brain-Site-Specific Proteome Changes Induced by Neuronal P60TRP Expression. NeuroSignals, 2013, 21, 129-149.	0.5	17
52	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. Experimental Brain Research, 1999, 127, 307-313.	0.7	16
53	Induction of rat l-phosphoserine phosphatase by amyloid-Î² (1â€“42) is inhibited by interleukin-11. Neuroscience Letters, 2000, 288, 37-40.	1.0	16
54	The protein p17 signaling pathways in cancer. Tumor Biology, 2013, 34, 4081-4087.	0.8	16

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55	Lead discovery and in silico 3D structure modeling of tumorigenic FAM72A (p17). Tumor Biology, 2015, 36, 239-249.	0.8	16
56	Identification of a Novel Thermostable Alkaline Protease from Bacillus megaterium-TK1 for the Detergent and Leather Industry. Biology, 2020, 9, 472.	1.3	15
57	G Proteins, p60TRP, and Neurodegenerative Diseases. Molecular Neurobiology, 2013, 47, 1103-1111.	1.9	14
58	Antibacterial, Antifungal, and Antioxidant Activities of Silver Nanoparticles Biosynthesized from Bauhinia tomentosa Linn. Antioxidants, 2021, 10, 1959.	2.2	14
59	Effects of high glucose on cytokine-induced nerve growth factor (NGF) expression in rat renal mesangial cells. Biochemical Pharmacology, 2003, 65, 293-301.	2.0	13
60	Characterization of a solvent, surfactant and temperature-tolerant laccase from Pleurotus sp. MAK-II and its dye decolorizing property. Biotechnology Letters, 2015, 37, 2403-2409.	1.1	13
61	Phytochemical Profiling in Conjunction with In Vitro and In Silico Studies to Identify Human Î±-Amylase Inhibitors in Leucaena leucocephala (Lam.) De Wit for the Treatment of Diabetes Mellitus. ACS Omega, 2021, 6, 19045-19057.	1.6	13
62	Accurate high throughput alignment via line sweep-based seed processing. Nature Communications, 2019, 10, 1939.	5.8	11
63	CRISPR-mediated upregulation of DR5 and downregulation of cFLIP synergistically sensitize HeLa cells to TRAIL-mediated apoptosis. Biochemical and Biophysical Research Communications, 2019, 512, 60-65.	1.0	11
64	Improvement of Saccharification and Delignification Efficiency of Trichoderma reesei Rut-C30 by Genetic Bioengineering. Microorganisms, 2020, 8, 159.	1.6	11
65	Characterizing CGI-94 (comparative gene identification-94) which is down-regulated in the hippocampus of early stage Alzheimer's disease brain. European Journal of Neuroscience, 2002, 15, 79-86.	1.2	10
66	Ageing, dementia and society â€“ an epistemological perspective. SpringerPlus, 2015, 4, 135.	1.2	10
67	Interleukin-6-Mediated Induced Pluripotent Stem Cell (iPSC)-Derived Neural Differentiation. Molecular Neurobiology, 2018, 55, 3513-3522.	1.9	10
68	The 3â€² untranslated region of the new rat synaptic vesicle protein 2B mRNA transcript inhibits translational efficiency. Molecular Brain Research, 2002, 104, 127-131.	2.5	9
69	Neurotrophins - More than Neurotrophic. Current Immunology Reviews, 2007, 3, 189-215.	1.2	9
70	Neuronal p60TRP expression modulates cardiac capacity. Journal of Proteomics, 2012, 75, 1600-1617.	1.2	9
71	Proteomics in Traditional Chinese Medicine with an Emphasis on Alzheimerâ€™s Disease. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-17.	0.5	9
72	Cognitive Functions: Human vs. AnimalÂâ€“Â4:1 Advantage |-FAM72â€“SRGAP2-|. Journal of Molecular Neuroscience, 2017, 61, 603-606.	1.1	9

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73	Functional repertoire of interleukin-6 in the central nervous system â€“ a review. Restorative Neurology and Neuroscience, 2017, 35, 693-701.	0.4	9
74	3D Structure, Dimerization Modeling, and Lead Discovery by Ligandâ€protein Interaction Analysis of p60 Transcription Regulator Protein (p60TRP). Molecular Informatics, 2016, 35, 99-108.	1.4	8
75	FAM72, Glioblastoma Multiforme (GBM) and Beyond. Cancers, 2021, 13, 1025.	1.7	8
76	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. Cancers, 2021, 13, 5870.	1.7	8
77	Signals regulating neurotrophin expression in glial cells. Progress in Brain Research, 2001, 132, 545-554.	0.9	7
78	Nerve growth factor(NGF) induces mRNA expression of the new transcription factor protein p48ZnF. Experimental and Molecular Medicine, 2004, 36, 130-134.	3.2	7
79	Characterizing the novel protein p33MONOX. Molecular and Cellular Biochemistry, 2011, 350, 127-134.	1.4	7
80	Characterization of a Solvent-Tolerant Manganese Peroxidase (MnP) from G anoderma Lucidum and Its Application in Fruit Juice Clarification. Journal of Food Biochemistry, 2015, 39, 754-764.	1.2	6
81	Brain plasticity, cognitive functions and neural stem cells: a pivotal role for the brain-specific neural master gene │-SRGAP2â€“FAM72-│. Biological Chemistry, 2017, 399, 55-61.	1.2	6
82	Gastrodia elata decreases isoprenaline potency and enhances spontaneous phasic activity in the rat detrusor. International Journal of Physiology, Pathophysiology and Pharmacology, 2011, 3, 29-37.	0.8	6
83	The Splicing Regulatory Protein p18SRP Is Down-Regulated in Alzheimer's Disease Brain. Journal of Molecular Neuroscience, 2004, 24, 269-276.	1.1	5
84	Ligand-Dependent Activation of the Chimeric Tumor Necrosis Factor Receptor-Amyloid Precursor Protein (APP) Reveals Increased APP Processing and Suppressed Neuronal Differentiation. NeuroSignals, 2010, 18, 9-23.	0.5	5
85	Characterizing the neurite outgrowth inhibitory effect of Mani. FEBS Letters, 2012, 586, 3018-3023.	1.3	5
86	A novel specialized single-linkage clustering algorithm for taxonomically ordered data. Journal of Theoretical Biology, 2017, 427, 1-7.	0.8	4
87	APP, NGF & the 'Sunday-driver' in a Trolley on the Road. Restorative Neurology and Neuroscience, 2004, 22, 131-6.	0.4	4
88	Identification of rTid-1, the rat homologue of the drosophila tumor suppressor l(2)tid gene. Molecular and Cellular Biochemistry, 2004, 258, 183-189.	1.4	3
89	Thymine distribution in genes provides novel insight into the functional significance of the proteome of the malaria parasite Plasmodium falciparum 3D7. Bioinformatics, 2014, 30, 597-600.	1.8	3
90	Mechanism Study of Traditional Medicine Using Proteomics Alone or Integrated with Other Systems Biology Technologies. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-2.	0.5	3

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91	Proteomic Atomics Reveals a Distinctive Uracilâ€5â€Methyltransferase. Molecular Informatics, 2020, 39, e1900135.	1.4	3
92	Comparative gene identification-94â€"a pivotal regulator of apoptosis. Neuroscience, 2003, 116, 321-324.	1.1	2
93	Characterization of the novel protein P9TLDR (temporal lobe downâ€regulated) with a brainâ€siteâ€specific gene expression modality in Alzheimer's disease brain. FEBS Letters, 2012, 586, 4357-4361.	1.3	2
94	Oxygen distribution in proteins defines functional significance of the genome and proteome of the malaria parasitePlasmodium falciparum3D7. FEMS Microbiology Letters, 2014, 351, 59-63.	0.7	2
95	A Novel Divergent Gene Transcription Paradigmâ€"the Decisive, Brain-Specific, Neural |-Srgap2â€"Fam72a-| Master Gene Paradigm. Molecular Neurobiology, 2019, 56, 5891-5899.	1.9	2
96	MAGNITUDE OF THYMINE IN DIFFERENT FRAMES OF MESSENGER RNAs. International Journal of Bioinformatics Research, 2012, 4, 273-275.	0.3	2
97	Establishing an in vivo p48ZnF bioluminescence mouse brain imaging model. Neuroscience Letters, 2013, 542, 97-101.	1.0	1
98	Glutamate E15 and E171 are Hotspots in p60TRP-Related Cancer. Cancer Investigation, 2016, 34, 64-69.	0.6	1
99	Livebearing or egg-laying mammals: 27 decisive nucleotides of FAM168. BioScience Trends, 2017, 11, 169-178.	1.1	1
100	Characterizing the signaling pathway of rat p18 amyloid beta (A??) responsive protein (p18A??rP).. , 0, 2002, .		0