

Klaus Heese

List of Publications by Year in Descending Order

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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 | 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 |
| 96 | FAM72, Glioblastoma Multiforme (GBM) and Beyond. <i>Cancers</i> , 2021 , 13, | 6.6 | 2 |
| 95 | Phytochemical Profiling in Conjunction with and Studies to Identify Human α -Amylase Inhibitors in (Lam.) De Wit for the Treatment of Diabetes Mellitus. <i>ACS Omega</i> , 2021 , 6, 19045-19057 | 3.9 | 3 |
| 94 | Improvement of Saccharification and Delignification Efficiency of Rut-C30 by Genetic Bioengineering. <i>Microorganisms</i> , 2020 , 8, | 4.9 | 6 |
| 93 | Proteomic Atomics Reveals a Distinctive Uracil-5-Methyltransferase. <i>Molecular Informatics</i> , 2020 , 39, e1900135 | 3.8 | 2 |
| 92 | Blume (Tianma): Hope for Brain Aging and Dementia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 8870148 | 2.3 | 5 |
| 91 | Identification of a Novel Thermostable Alkaline Protease from -TK1 for the Detergent and Leather Industry. <i>Biology</i> , 2020 , 9, | 4.9 | 4 |
| 90 | A Novel Divergent Gene Transcription Paradigm-the Decisive, Brain-Specific, Neural $ \text{-Srgap2-Fam72a-} $ Master Gene Paradigm. <i>Molecular Neurobiology</i> , 2019 , 56, 5891-5899 | 6.2 | 2 |
| 89 | Accurate high throughput alignment via line sweep-based seed processing. <i>Nature Communications</i> , 2019 , 10, 1939 | 17.4 | 2 |
| 88 | 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 |
| 87 | 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 |
| 86 | Establishing a human adrenocortical carcinoma (ACC)-specific gene mutation signature. <i>Cancer Genetics</i> , 2019 , 230, 1-12 | 2.3 | 16 |
| 85 | Interleukin-6-Mediated Induced Pluripotent Stem Cell (iPSC)-Derived Neural Differentiation. <i>Molecular Neurobiology</i> , 2018 , 55, 3513-3522 | 6.2 | 8 |
| 84 | Cognitive Functions: Human vs. Animal $ \text{-FAM72-SRGAP2-} $ Advantage $ \text{-FAM72-SRGAP2-} $. <i>Journal of Molecular Neuroscience</i> , 2017 , 61, 603-606 | 3.3 | 7 |
| 83 | A novel specialized single-linkage clustering algorithm for taxonomically ordered data. <i>Journal of Theoretical Biology</i> , 2017 , 427, 1-7 | 2.3 | 3 |
| 82 | 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 |
| 81 | Livebearing or egg-laying mammals: 27 decisive nucleotides of FAM168. <i>BioScience Trends</i> , 2017 , 11, 169-178 | 9.9 | 0 |

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| 80 | Brain plasticity, cognitive functions and neural stem cells: a pivotal role for the brain-specific neural master gene [-SRGAP2-FAM72-]. <i>Biological Chemistry</i> , 2017 , 399, 55-61 | 4.5 | 5 |
| 79 | Neurotrophin Signaling and Stem Cells-Implications for Neurodegenerative Diseases and Stem Cell Therapy. <i>Molecular Neurobiology</i> , 2017 , 54, 7401-7459 | 6.2 | 33 |
| 78 | The Ubiquitin-Proteasome System and Molecular Chaperone Deregulation in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2016 , 53, 905-931 | 6.2 | 61 |
| 77 | Glutamate E15 and E171 are Hotspots in p60TRP-Related Cancer. <i>Cancer Investigation</i> , 2016 , 34, 64-9 | 2.1 | 1 |
| 76 | 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 |
| 75 | 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 |
| 74 | Characterization of a novel endoglucanase from <i>Ganoderma lucidum</i> . <i>Journal of Basic Microbiology</i> , 2015 , 55, 761-71 | 2.7 | 13 |
| 73 | 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 |
| 72 | Characterization of lignocellulolytic enzymes from white-rot fungi. <i>Current Microbiology</i> , 2015 , 70, 485-98.4 | 9.4 | 122 |
| 71 | 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 |
| 70 | Ageing, dementia and society - an epistemological perspective. <i>SpringerPlus</i> , 2015 , 4, 135 | | 9 |
| 69 | 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 |
| 68 | 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 |
| 67 | Lead discovery and in silico 3D structure modeling of tumorigenic FAM72A (p17). <i>Tumor Biology</i> , 2015 , 36, 239-49 | 2.9 | 11 |
| 66 | 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 |
| 65 | 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 |
| 64 | The protein p17 signaling pathways in cancer. <i>Tumor Biology</i> , 2013 , 34, 4081-7 | 2.9 | 11 |
| 63 | G proteins, p60TRP, and neurodegenerative diseases. <i>Molecular Neurobiology</i> , 2013 , 47, 1103-11 | 6.2 | 9 |

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| 62 | 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 |
| 61 | Brain-site-specific proteome changes induced by neuronal P60TRP expression. <i>NeuroSignals</i> , 2013 , 21, 129-49 | 1.9 | 17 |
| 60 | Brain site-specific proteome changes in aging-related dementia. <i>Experimental and Molecular Medicine</i> , 2013 , 45, e39 | 12.8 | 77 |
| 59 | Establishing an in vivo p48ZnF bioluminescence mouse brain imaging model. <i>Neuroscience Letters</i> , 2013 , 542, 97-101 | 3.3 | 1 |
| 58 | 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 |
| 57 | Neuronal p60TRP expression modulates cardiac capacity. <i>Journal of Proteomics</i> , 2012 , 75, 1600-17 | 3.9 | 9 |
| 56 | 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 |
| 55 | 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 |
| 54 | Characterizing the neurite outgrowth inhibitory effect of Mani. <i>FEBS Letters</i> , 2012 , 586, 3018-23 | 3.8 | 3 |
| 53 | Secretome analysis of <i>Ganoderma lucidum</i> cultivated in sugarcane bagasse. <i>Journal of Proteomics</i> , 2012 , 77, 298-309 | 3.9 | 59 |
| 52 | 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 |
| 51 | Tianma modulates blood vessel tonicity. <i>The Open Biochemistry Journal</i> , 2012 , 6, 56-65 | 0.9 | 16 |
| 50 | Phenotyping of tianma-stimulated differentiated rat neuronal b104 cells by quantitative proteomics. <i>NeuroSignals</i> , 2012 , 20, 48-60 | 1.9 | 17 |
| 49 | <i>Gastrodia elata</i> Blume (tianma) mobilizes neuro-protective capacities. <i>International Journal of Biochemistry and Molecular Biology</i> , 2012 , 3, 219-41 | 0.4 | 19 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | Characterizing the novel protein p33MONOX. <i>Molecular and Cellular Biochemistry</i> , 2011 , 350, 127-34 | 4.2 | 5 |

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|----|---|------|-----|
| 44 | Gastrodia elata modulates amyloid precursor protein cleavage and cognitive functions in mice. <i>BioScience Trends</i> , 2011 , 5, 129-38 | 9.9 | 26 |
| 43 | Gastrodia elata 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | Cardiovascular dementia - a different perspective. <i>The Open Biochemistry Journal</i> , 2010 , 4, 29-52 | 0.9 | 21 |
| 38 | Interleukin-6 and neural stem cells: more than gliogenesis. <i>Molecular Biology of the Cell</i> , 2009 , 20, 188-99 | 3.5 | 121 |
| 37 | Identification and characterisation of the novel amyloid-beta peptide-induced protein p17. <i>FEBS Letters</i> , 2009 , 583, 3247-53 | 3.8 | 22 |
| 36 | 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 |
| 35 | 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 |
| 34 | Neurotrophins - More than Neurotrophic. <i>Current Immunology Reviews</i> , 2007 , 3, 189-215 | 1.3 | 6 |
| 33 | Nerve growth factor, neural stem cells and Alzheimer's disease. <i>NeuroSignals</i> , 2006 , 15, 1-12 | 1.9 | 73 |
| 32 | Alzheimer's disease--an interactive perspective. <i>Current Alzheimer Research</i> , 2006 , 3, 109-21 | 3 | 41 |
| 31 | 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 |
| 30 | 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 |
| 29 | Livin promotes Smac/DIABLO degradation by ubiquitin-proteasome pathway. <i>Cell Death and Differentiation</i> , 2006 , 13, 2079-88 | 12.7 | 75 |
| 28 | ABC transporters, neural stem cells and neurogenesis--a different perspective. <i>Cell Research</i> , 2006 , 16, 857-71 | 24.7 | 80 |
| 27 | NF-kappaB regulates B-cell-derived nerve growth factor expression. <i>Cellular and Molecular Immunology</i> , 2006 , 3, 63-6 | 15.4 | 16 |

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|----|---|------|-----|
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | Characterizing the new transcription regulator protein p60TRP. <i>Journal of Cellular Biochemistry</i> , 2004 , 91, 1030-42 | 4.7 | 30 |
| 22 | APP, NGF & the Sunday-driver in a Trolley on the Road. <i>Restorative Neurology and Neuroscience</i> , 2004 , 22, 131-6 | 2.8 | 4 |
| 21 | 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 |
| 20 | Comparative gene identification-94—a pivotal regulator of apoptosis. <i>Neuroscience</i> , 2003 , 116, 321-4 | 3.9 | 1 |
| 19 | 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 |
| 18 | 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 |
| 17 | Signals regulating neurotrophin expression in glial cells. <i>Progress in Brain Research</i> , 2001 , 132, 545-54 | 2.9 | 6 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | Increased CSF levels of nerve growth factor in patients with Alzheimer's disease. <i>Neurology</i> , 2000 , 54, 2009-11 | 6.5 | 41 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |

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|---|---|-----|-----|
| 8 | 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 |
| 7 | 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 |
| 6 | NF-kappaB modulates lipopolysaccharide-induced microglial nerve growth factor expression. <i>Glia</i> , 1998 , 22, 401-7 | 9 | 75 |
| 5 | 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 |
| 4 | 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 |
| 3 | Inflammatory signals induce neurotrophin expression in human microglial cells. <i>Journal of Neurochemistry</i> , 1998 , 70, 699-707 | 6 | 220 |
| 2 | 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 |
| 1 | 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 |