# Kai-Christian Sonntag

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 3,106 citations | 257101 24 h-index | 360668 35 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 5250 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Specific MicroRNAs Modulate Embryonic Stem Cell-Derived Neurogenesis. Stem Cells, 2006, 24, 857-864. | 1.4 | 611 |
| 2 | Cell type-specific gene expression of midbrain dopaminergic neurons reveals molecules involved in their vulnerability and protection. Human Molecular Genetics, 2005, 14, 1709-1725. | 1.4 | 338 |
| 3 | Markers and Methods for Cell Sorting of Human Embryonic Stem Cell-Derived Neural Cell Populations. Stem Cells, 2007, 25, 2257-2268. | 1.4 | 286 |
| 4 | Enhanced Yield of Neuroepithelial Precursors and Midbrain-Like Dopaminergic Neurons from Human Embryonic Stem Cells Using the Bone Morphogenic Protein Antagonist Noggin. Stem Cells, 2007, 25, 411-418. | 1.4 | 230 |
| 5 | Generalized brain and skin proteasome inhibition in Huntington's disease. Annals of Neurology, 2004, 56, 319-328. | 2.8 | 164 |
| 6 | MicroRNAs and deregulated gene expression networks in neurodegeneration. Brain Research, 2010, 1338, 48-57. | 1.1 | 123 |
| 7 | miR-126 contributes to Parkinson's disease by dysregulating the insulin-like growth factor/phosphoinositide 3-kinase signaling. Neurobiology of Aging, 2014, 35, 1712-1721. | 1.5 | 120 |
| 8 | Evidence for Gender-Specific Transcriptional Profiles of Nigral Dopamine Neurons in Parkinson Disease. PLoS ONE, 2010, 5, e8856. | 1.1 | 113 |
| 9 | Proteasome Activator Enhances Survival of Huntington's Disease Neuronal Model Cells. PLoS ONE, 2007, 2, e238. | 1.1 | 110 |
| 10 | Late-onset Alzheimerâ€™s disease is associated with inherent changes in bioenergetics profiles. Scientific Reports, 2017, 7, 14038. | 1.6 | 96 |
| 11 | Converging miRNA functions in diverse brain disorders: A case for miR-124 and miR-126. Experimental Neurology, 2012, 235, 427-435. | 2.0 | 89 |
| 12 | Midbrain dopamine neurons in Parkinson×³s disease exhibit a dysregulated miRNA and target-gene network. Brain Research, 2015, 1618, 111-121. | 1.1 | 88 |
| 13 | Pluripotent stem cell-based therapy for Parkinsonâ€™s disease: Current status and future prospects. Progress in Neurobiology, 2018, 168, 1-20. | 2.8 | 84 |
| 14 | Molecular Profiles of Pyramidal Neurons in the Superior Temporal Cortex in Schizophrenia. Journal of Neurogenetics, 2014, 28, 53-69. | 0.6 | 75 |
| 15 | Differentiation of oligodendrocyte precursors is impaired in the prefrontal cortex in schizophrenia. Schizophrenia Research, 2015, 169, 374-380. | 1.1 | 73 |
| 16 | Tolerance to solid organ transplants through transfer of MHC class II genes. Journal of Clinical Investigation, 2001, 107, 65-71. | 3.9 | 70 |
| 17 | Molecular Profiles of Parvalbumin-Immunoreactive Neurons in the Superior Temporal Cortex in Schizophrenia. Journal of Neurogenetics, 2014, 28, 70-85. | 0.6 | 63 |
| 18 | Stem cells may reshape the prospect of Parkinson's disease therapy. Molecular Brain Research, 2005, 134, 34-51. | 2.5 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Brain cells derived from Alzheimerâ€™s disease patients have multiple specific innate abnormalities in energy metabolism. Molecular Psychiatry, 2021, 26, 5702-5714. | 4.1 | 54 |
| 20 | MiR-126 Regulates Growth Factor Activities and Vulnerability to Toxic Insult in Neurons. Molecular Neurobiology, 2016, 53, 95-108. | 1.9 | 48 |
| 21 | Limited predictability of postmortem human brain tissue quality by <scp>RNA</scp> integrity numbers. Journal of Neurochemistry, 2016, 138, 53-59. | 2.1 | 36 |
| 22 | Fast and Efficient Neural Conversion of Human Hematopoietic Cells. Stem Cell Reports, 2014, 3, 1118-1131. | 2.3 | 33 |
| 23 | Implementations of translational medicine. Journal of Translational Medicine, 2005, 3, 33. | 1.8 | 31 |
| 24 | Immature and Neurally Differentiated Mouse Embryonic Stem Cells Do Not Express a Functional Fas/Fas Ligand System. Stem Cells, 2007, 25, 2551-2558. | 1.4 | 25 |
| 25 | Detection of Intranasally Delivered Bone Marrow-Derived Mesenchymal Stromal Cells in the Lesioned Mouse Brain: A Cautionary Report. Stem Cells International, 2011, 2011, 1-12. | 1.2 | 17 |
| 26 | Selection Based on FOXA2 Expression Is Not Sufficient to Enrich for Dopamine Neurons From Human Pluripotent Stem Cells. Stem Cells Translational Medicine, 2014, 3, 1032-1042. | 1.6 | 13 |
| 27 | Human Fas-ligand expression on porcine endothelial cells does not protect against xenogeneic natural killer cytotoxicity*. Xenotransplantation, 2004, 11, 43-52. | 1.6 | 10 |
| 28 | Gene expression profile associated with postnatal development of pyramidal neurons in the human prefrontal cortex implicates ubiquitin ligase E3 in the pathophysiology of schizophrenia onset. Journal of Psychiatric Research, 2018, 102, 110-117. | 1.5 | 10 |
| 29 | Tailoring human embryonic stem cells for neurodegenerative disease therapy. Current Opinion in Investigational Drugs, 2006, 7, 614-8. | 2.3 | 9 |
| 30 | Reactive oxygen species-sensitive nanophotosensitizers of aminophenyl boronic acid pinacol ester conjugated chitosan-<i>g</i>-methoxy poly(ethylene glycol) copolymer for photodynamic treatment of cancer. Biomedical Materials (Bristol), 2020, 15, 055034. | 1.7 | 7 |
| 31 | RNA mechanisms in CNS systems and disorders. Brain Research, 2010, 1338, 1-2. | 1.1 | 6 |
| 32 | Cell Type-Specific Laser Capture Microdissection for Gene Expression Profiling in the Human Brain. Methods in Molecular Biology, 2018, 1723, 203-221. | 0.4 | 5 |
| 33 | Hypothesis and Theory: Characterizing Abnormalities of Energy Metabolism Using a Cellular Platform as a Personalized Medicine Approach for Alzheimerâ€™s Disease. Frontiers in Cell and Developmental Biology, 2021, 9, 697578. | 1.8 | 4 |
| 34 | Nicotinamide riboside and caffeine partially restore diminished NAD availability but not altered energy metabolism in Alzheimer's disease. Aging Cell, 0, , . | 3.0 | 4 |
| 35 | Laser microdissection and gene expression profiling in the human postmortem brain. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 150, 263-272. | 1.0 | 3 |
| 36 | The use of laser capture microdissection to identify specific pathways and mechanisms involved in impulsive choice in rats. Heliyon, 2019, 5, e02254. | 1.4 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Poster #M176 MESSENGER RNA AND MICRORNA EXPRESSION PROFILING OF PYRAMIDAL NEURONS, PARVALBUMIN-IMMUNOREACTIVE NEURONS, DOPAMINE NEURONS AND OLIGODENDROCYTES IN SCHIZOPHRENIA AND PARKINSON'S DISEASE. Schizophrenia Research, 2014, 153, S254-S255. | 1.1 | 0 |
| 38 | Immunological Considerations in CNS Transplants. , 2007, , 305-326. | | 0 |