Klaus Funke

List of Publications by Year
in descending order

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32 papers	1,511 citations	430843 18 h-index	434170 31 g-index
32 all docs	32 docs citations	32 times ranked	1433 citing authors

#	Article	IF	Citations
1	Transcranial magnetic stimulation of the brain: What is stimulated? â€“ A consensus and critical position paper. Clinical Neurophysiology, 2022, 140, 59-97.	1.5	124
2	Effects of repetitive transcranial magnetic and deep brain stimulation on longâ€range synchrony of oscillatory activity in a rat model of developmental schizophrenia. European Journal of Neuroscience, 2021, 53, 2848-2869.	2.6	10
3	Effects of iTBS-rTMS on the Behavioral Phenotype of a Rat Model of Maternal Immune Activation. Frontiers in Behavioral Neuroscience, 2021, 15, 670699.	2.0	1
4	Prevention of schizophrenia deficits via non-invasive adolescent frontal cortex stimulation in rats. Molecular Psychiatry, 2020, 25, 896-905.	7.9	28
5	AMPA Induces NO-Dependent cGMP Signals in Hippocampal and Cortical Neurons via L-Type Voltage-Gated Calcium Channels. Cerebral Cortex, 2020, 30, 2128-2143.	2.9	11
6	Repetitive transcranial magnetic stimulation reverses reduced excitability of rat visual cortex induced by dark rearing during early critical period. Developmental Neurobiology, 2020, 80, 399-410.	3.0	4
7	Repetitive transcranial magnetic stimulation recovers cortical map plasticity induced by sensory deprivation due to deafferentiation. Journal of Physiology, 2019, 597, 4025-4051.	2.9	14
8	Neuropeptide Y as a possible homeostatic element for changes in cortical excitability induced by repetitive transcranial magnetic stimulation. Brain Stimulation, 2018, 11, 797-805.	1.6	12
9	Transcranial Magnetic Stimulation of Rodents. Handbook of Behavioral Neuroscience, 2018, , 365-387.	0.7	4
10	Assessment and modulation of cortical inhibition using transcranial magnetic stimulation. E-Neuroforum, 2017, 23, .	0.1	4
11	Untersuchung und Modulation kortikaler Inhibition mittels transkranieller Magnetstimulation. E-Neuroforum, 2017, 23, .	0.1	0
12	Intermittent Theta-Burst Transcranial Magnetic Stimulation Alters Electrical Properties of Fast-Spiking Neocortical Interneurons in an Age-Dependent Fashion. Frontiers in Neural Circuits, 2016, 10, 22.	2.8	24
13	Repetitive magnetic stimulation induces plasticity of inhibitory synapses. Nature Communications, 2016, 7, 10020.	12.8	151
14	Effects of chronic iTBSâ€rTMS and enriched environment on visual cortex early critical period and visual pattern discrimination in darkâ€reared rats. Developmental Neurobiology, 2016, 76, 19-33.	3.0	24
15	Multiple blocks of intermittent and continuous thetaâ€burst stimulation applied via transcranial magnetic stimulation differently affect sensory responses in rat barrel cortex. Journal of Physiology, 2015, 593, 967-985.	2.9	30
16	Reduction in cortical parvalbumin expression due to intermittent thetaâ€burst stimulation correlates with maturation of the perineuronal nets in young rats. Developmental Neurobiology, 2015, 75, 1-11.	3.0	44
17	Strain differences in the effect of rTMS on cortical expression of calcium-binding proteins in rats. Experimental Brain Research, 2014, 232, 435-442.	1.5	17
18	Modulation of Inhibitory Activity Markers by Intermittent Theta-burst Stimulation in Rat Cortex is NMDA-receptor Dependent. Brain Stimulation, 2014, 7, 394-400.	1.6	45

#	Article	IF	Citations
19	Dose-Dependence of Changes in Cortical Protein Expression Induced with Repeated Transcranial Magnetic Theta-Burst Stimulation in the Rat. Brain Stimulation, 2013, 6, 598-606.	1.6	85
20	Time-course of changes in neuronal activity markers following iTBS-TMS of the rat neocortex. Neuroscience Letters, 2013, 536, 19-23.	2.1	52
21	Quite simple at first glance â€“ complex at a second: modulating neuronal activity by tDCS. Journal of Physiology, 2013, 591, 3809-3809.	2.9	10
22	Theta-Burst Transcranial Magnetic Stimulation Alters Cortical Inhibition. Journal of Neuroscience, 2011, 31, 1193-1203.	3.6	175
23	Modulation of cortical inhibition by rTMS â€“ findings obtained from animal models. Journal of Physiology, 2011, 589, 4423-4435.	2.9	140
24	Continuous and intermittent transcranial magnetic theta burst stimulation modify tactile learning performance and cortical protein expression in the rat differently. European Journal of Neuroscience, 2010, 32, 1575-1586.	2.6	59
25	Cortical cellular actions of transcranial magnetic stimulation. Restorative Neurology and Neuroscience, 2010, 28, 399-417.	0.7	36
26	Theta burst and conventional low-frequency rTMS differentially affect GABAergic neurotransmission in the rat cortex. Experimental Brain Research, 2009, 199, 411-421.	1.5	139
27	Short-latency afferent inhibition varies with cortical state in rat somatosensory cortex. NeuroReport, 2009, 20, 1313-1318.	1.2	4
28	High- and low-frequency repetitive transcranial magnetic stimulation differentially activates c-Fos and zif268 protein expression in the rat brain. Experimental Brain Research, 2008, 188, 249-261.	1.5	139
29	Noiseâ€improved signal detection in cat primary visual cortex via a wellâ€balanced stochastic resonanceâ€like procedure. European Journal of Neuroscience, 2007, 26, 1322-1332.	2.6	35
30	Correlated variations in EEG pattern and visual responsiveness of cat lateral geniculate relay cells. Journal of Physiology, 1999, 514, 857-874.	2.9	23
31	Inverse correlation of firing patterns of single topographically matched perigeniculate neurons and cat dorsal lateral geniculate relay cells. Visual Neuroscience, 1998, 15, 711-729.	1.0	54
32	Fine structure analysis of temporal patterns in the light response of cells in the lateral geniculate nucleus of cat. Visual Neuroscience, 1995, 12, 469-484.	1.0	13