

10 wichtigste aktuelle Veröffentlichungen

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Arbeiten: 51

h Index*: 23

Zitationen*: 1757

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Erstautorenschaften

- Tziridis, K.**, Rasheed, J., Kwiatkowska, M., Wright, M., Schlingensiepen, R. (2025). A single dose of AC102 reverts tinnitus by restoring ribbon synapses in noise-exposed Mongolian gerbils. *International Journal of Molecular Science*
- Tziridis, K.**, Brunner, S., Schilling, A., Krauss, P., Schulze, H. (2022). Spectrally matched near-threshold noise for subjective tinnitus loudness attenuation based on stochastic resonance. *Frontiers in Neuroscience*
- Tziridis, K.**, Forster, J., Wendler, O., Buchheidt-Dörfler, I., Krauss, P., Schilling, A., Sterna, E., Schulze, H. (2021). Tinnitus development is associated with synaptopathy of inner hair cells in Mongolian gerbils. *European Journal of Neuroscience*
- Tziridis K.**, Buerbank S., Eulenburg V., Długańczyk J., Schulze H. (2017). Deficit in acoustic signal-in-noise detection in glycine receptor $\alpha 3$ subunit knockout mice. *European Journal of Neuroscience*.

Letzautorenschaften

- Schulze, H., Schilling, A., Krauss, P., **Tziridis, K.** (2023). The Erlangen Model of Tinnitus Development - New perspective and treatment strategy, *HNO Journal*
- Krauss, P, **Tziridis, K** (2021). Simulated transient hearing loss improves pure tone sensitivity. *Scientific Reports*
- Schilling, A., Krauss, P, Hannemann, R, Schulze, H, **Tziridis, K.** (2020). Reduktion der Tinnituslautstärke - Pilotstudie zur Abschwächung von tonalem Tinnitus mit schwellennahem, individuell spektral optimiertem Rauschen. *HNO Journal*

Coautorenschaften

- Schilling, A., Sedley, W., Gerum, R, Metzner, C., **Tziridis, K.**, Maier, A., Schulze, H. Zeng, FG., Friston K.J., Krauss P. (2023). Predictive coding and stochastic resonance as fundamental principles of auditory phantom perception. *Brain*
- Lanaia, V., **Tziridis, K.**, Schulze, H. (2021). Salicylate- induced changes in hearing thresholds in Mongolian gerbils are correlated with tinnitus frequency but not with tinnitus strength. *Frontiers in Behavioral Neuroscience*
- Schilling, A., **Tziridis, K.**, Schulze, H.; Krauss, P. (2021). The Stochastic Resonance model of auditory perception: A unified explanation of tinnitus development, Zwicker tone illusion, and residual inhibition. *Progress in Brain Research*

Gesamtverzeichnis aller Veröffentlichungen

2008:

Golla, H., **Tziridis, K.**, Haarmeier, T., Catz, N., Barash, S., Thier, P. (2008). Reduced saccadic resilience and impaired saccadic adaptation due to cerebellar disease. European Journal of Neuroscience

2009:

Tziridis, K., Dicke, P.W., Thier, P. (2009). The role of the monkey dorsal pontine nuclei in goal-directed eye and hand movements. Journal of Neuroscience

2012:

Tziridis, K., Dicke, P.W., Thier, P. (2012). Pontine reference frames for the sensory guidance of movement. Cerebral Cortex

Ahlf, S., **Tziridis, K.**, Korn, S., Strohmeyer, I., Schulze, H. (2012). Predisposition for and prevention of subjective tinnitus development. PLoS One

Walter, M., **Tziridis, K.**, Ahlf, S., Schulze, H. (2012). Context Dependent Auditory Threshold Determined by Brainstem Audiometry and Prepulse Inhibition in Mongolian Gerbils. Open Journal of Acoustics

Tziridis, K., Ahlf, S., Schulze, H. (2012). A low cost setup for behavioral audiometry in rodents. JoVE

2014:

Depner, M., **Tziridis, K.**, Hess, A., Schulze, H. (2014). Sensory cortex lesion triggers compensatory neuronal plasticity. BMC Neuroscience

Schulze, H., Deutscher, A., **Tziridis, K.**, Scheich, H. (2014). Unilateral auditory cortex lesions impair or improve discrimination learning of amplitude modulated sounds, depending on lesion side. PLoS One

Tziridis, K., Korn, S., Ahlf, S., Schulze, H. (2014). Protective effects of Ginkgo biloba extract EGb 761 against noise trauma-induced hearing loss and tinnitus development. Neural Plasticity

2015:

Schulze, H., **Tziridis, K.** (2015). Restoration of function after cortical lesion: does it require an internal template? Neural Regeneration Research

Tziridis, K., Ahlf, S., Jeschke, M., Happel, M.F., Ohl, F.W., Schulze, H. (2015). Noise Trauma Induced Neural Plasticity Throughout the Auditory System of Mongolian Gerbils: Differences between Tinnitus Developing and Non-Developing Animals. Frontiers in Neurology

Knör, M., **Tziridis, K.**, Agaimy, A., Zenk, J., Wendler, O. (2015). Human Papillomavirus (HPV) Prevalence in Nasal and Antrochoanal Polyps and Association with Clinical Data. PloS One

2016:

- Scherl, C., Schäfer, R., Schlabrakowski, A., **Tziridis, K.**, Iro, H., Wendler, O. (2016). Nicotinic Acetylcholine Receptors in Head and Neck Cancer and Their Correlation to Tumor Site and Progression. *Journal for Oto-rhino-laryngology and its Related Specialties*
- Krauss, P., **Tziridis, K.**, Buerbank, S., Schilling, A., Schulze, H. (2016). Therapeutic Value of Ginkgo biloba Extract EGb 761® in an Animal Model (*Meriones unguiculatus*) for Noise Trauma Induced Hearing Loss and Tinnitus. *PloS One*
- Traxdorf M., Wendler O., **Tziridis K.**, Bauer J., Scherl C. (2016): S100B in serum and saliva: a useful invasive or non-invasive biomarker in obstructive sleep apnea? *European Review for Medical and Pharmacological Sciences*
- Krauss, P. **Tziridis, K.**, Metzner, C., Schilling, A., Hoppe, U., Schulze, H. (2016). Stochastic resonance controlled upregulation of internal noise after hearing loss as a putative cause of tinnitus-related neuronal hyperactivity. *Frontiers in Neuroscience*

2017:

- Tziridis K.**, Buerbank, S., Eulenburg, V., Długaiczek, J., Schulze, H. (2017): Deficit in acoustic signal-in-noise detection in glycine receptor $\alpha 3$ subunit knockout mice. *European Journal of Neuroscience*
- Gollnast, D., **Tziridis, K.**, Krauss, P., Schilling, A., Hoppe, U., Schulze, H. (2017). Analysis of audiometric differences of patients with and without tinnitus in a large clinical database. *Frontiers in Neurology*
- Krauss, P., Metzner, C., Schilling, A., Schütz, C., **Tziridis, K.**, Fabry, B., Schulze, H. (2017). Adaptive stochastic resonance for unknown and variable input signals. *Scientific Reports*
- Traxdorf, M., **Tziridis, K.**, Scherl, C., Iro, H., Haferkamp, J. (2017). The Erlangen Questionnaire: a new 5-item screening tool for obstructive sleep apnea in a sleep clinic population—A prospective, double blinded study. *European Review for Medical and Pharmacological Sciences*
- Schilling, A., Krauss, P., Gerum, R., Metzner, C., **Tziridis, K.**, Schulze, H. (2017). A new statistical approach for the evaluation of gap-prepulse inhibition of the acoustic startle reflex (GPIAS) for tinnitus assessment. *Frontiers in Behavioral Neuroscience*

2018:

- Krauss, P., Metzner, C., Schilling, A., **Tziridis, K.**, Traxdorf, M., Wollbrink, A., Rampp, S., Pantev, C., Schulze, H. (2018). Decoding spatiotemporal cortical activity patterns. *Scientific Reports*
- Krauss, P., Schilling, A., Bauer, J., **Tziridis, K.**, Metzner, C., Schulze, H., Traxdorf, M. (2018). Analysis of multichannel EEG patterns during human sleep: a novel approach. *Frontiers in Human Neuroscience*
- Krauss, P. **Tziridis, K.**, Schilling, A., Schulze, H. (2018): Cross-modal stochastic resonance as a universal principle to enhance sensory processing. *Frontiers in Neuroscience*

2019:

- Krauss, P., Schilling, A., **Tziridis, K.**, Schulze, H., (2019). Modelle der Tinnitusentstehung -von der Cochlea zum Kortex. HNO
- Traxdorf, M., Krauss, P., Schilling, A., Schulze, H., **Tziridis, K.** (2019) Microstructure of cortical activity during sleep reflects respiratory events and state of daytime vigilance. Somnologie
- Schilling, A., Gerum, R., Krauss, P., Metzner, C., **Tziridis, K.**, Schulze, H. (2019) Objective estimation of sensory thresholds based on neurophysiological parameters. Frontiers in Neuroscience
- Gerum, R.C., Rahlfs, H., Streb, M., Krauss, P., Grimm, J., Metzner, C., **Tziridis, K.**, Günther, M., Schulze, H., Kellermann, W. (2019) Open (G)PIAS: An open-source solution for the construction of a high-precision acoustic startle response setup for tinnitus screening and threshold estimation in rodents. Frontiers in Behavioral Neuroscience
- Dierich, M., Hartmann, S., Dietrich, N., Moeser, P., Brede, F., Chacko, L.J., **Tziridis, K.**, Schilling, A., Krauss, P., Hessler, S., Karch, S., Schrott-Fischer, A., Blumer, M., Birchmeier, C., Oliver, D., Moser, T., Schulze, H., Alzheimer, C., Leitner, M., Huth T. (2019) β -secretase BACE1 is required for normal cochlear function. Journal of Neuroscience

2020:

- Schilling, A., Krauss, P., Hannemann, R., Schulze, H., **Tziridis, K.** (2020). Reduktion der Tinnituslautstärke – Pilotstudie zur Abschwächung von tonalem Tinnitus mit schwelennahem, individuell spektral optimiertem Rauschen. HNO
- Schilling, A., **Tziridis, K.**, Schulze, H., Krauss, P. (2020). The Stochastic Resonance model of auditory perception: A unified explanation of tinnitus development, Zwicker tone illusion, and residual inhibition. Progress in Brain Research

2021:

- Jeschke, M., Happel, P. D. M. F., **Tziridis, K.**, Krauss, P., Schilling, A., Schulze, H., Ohl, F. W. (2021). Acute and long-term circuit-level effects in the auditory cortex after sound trauma. Frontiers in Neuroscience
- Tziridis, K.**, Forster, J., Wendler, O., Buchhaid-Dörfler, I., Krauss, P., Schilling, A., Sterna, E., Schulze, H. (2021). Tinnitus development is associated with synaptopathy of inner hair cells in Mongolian gerbils. European Journal of Neuroscience
- Krauss, P., **Tziridis, K.** (2021). Simulated transient hearing loss improves pure tone sensitivity. Scientific Reports
- Lanaia, V., **Tziridis, K.**, Schulze, H. (2021). Salicylate- induced changes in hearing thresholds in Mongolian gerbils are correlated with tinnitus frequency but not with tinnitus strength. Frontiers in Behavioral Neuroscience

2022:

Issler, N., Afonso, S., Weissman, I., Jordan, K., Cebrian-Serrano, A., Meindl, K., **Tziridis, K.**, Yan, G., Robles-López, J. M., Tabernero, L., Patel, V., Kesselheim, A., Klootwijk, E. D., Stanescu, H. C., Dumitriu, S., Iancu, D., Tekman, M., Mozere, M., Jaureguiberry, G., Outtandy, P., Russell, C., Forst, A., Sterner, C., Heinl, E., Othmen, H., Tegtmeier, I., Reichold, M., Schiessl, I. M., Limm, K., Oefner, P., Witzgall, R., Fu, L., Theilig, F., Schilling, A., Biton, E. S., Kalfon, L., Fedida, A., Arnon-Sheleg, E., Ben Izhak, O., Magen, D., Anikster, Y., Schulze, H., Ziegler, C., Lowe, M., Davies, B., Böckenhauer, D., Kleta, R., Zaccai, Z. C. F., Warth, R. (2021). A founder mutation in EHD1 presents with tubular proteinuria and deafness. *JASN*

Tziridis, K., Brunner, S., Schilling, A., Krauss, P., Schulze, H. (2022). Spectrally matched near-threshold noise for subjective tinnitus loudness attenuation based on stochastic resonance. *Frontiers in Neuroscience*

Schilke, P., Anderssohn, S., **Tziridis, K.**, Mantsopoulos, K., Mueller, S., Sievert, M., Gostian, A.-O., Iro, H., Bohr, C., Traxdorf, M. (2022). Phantom-based prospective analysis of the accuracy of photo registration technology in electromagnetic navigation of the frontal skull base. *European Review for Medical and Pharmacological Sciences*

Grimm, J., Schulze, H., **Tziridis, K.** (2022). Circadian sensitivity of noise trauma induced hearing loss and tinnitus in Mongolian gerbils. *Frontiers in Neuroscience*

Tziridis, K., Schulze, H. (2022). Preventive effects of Ginkgo-extract EGb 761® on noise trauma-induced cochlear synaptopathy. *MDPI Nutrients*

Tziridis, K., Friedrich, J., Brüggemann, P., Mazurek, B., Schulze, H. (2022). Estimation of Tinnitus-Related Socioeconomic Costs in Germany. *MDPI International Journal of Environmental Research and Public Health*

Metzner, C., Schilling, A., Traxdorf, M., **Tziridis, K.**, Schulze, H., Krauss, P. (2022). Classification at the Accuracy Limit - Facing the Problem of Data Ambiguity. *Scientific Reports*

2023:

Schilling, A.*, **Tziridis, K.***, Schulze, H., Krauss, P. (2023). Behavioral assessment of Zwicker tone percepts in gerbils. *Neuroscience*

Metzner, C., Schilling, A., Traxdorf, M., Schulze, H., **Tziridis, K.**, Krauss, P. (2023). Extracting continuous sleep depth from EEG data without machine learning. *Neurobiology of Sleep and Circadian Rhythms*

Schulze, H., **Tziridis, K.** (2023) Is phase locking crucial to improve hearing thresholds in tinnitus patients? *European Journal of Neuroscience*

Schilling, A., Sedley, W., Gerum, R., Metzner, C., **Tziridis, K.**, Maier, A., Schulze, H. Zeng, FG., Friston K.J., Krauss P. (2023). Predictive coding and stochastic resonance as fundamental principles of auditory phantom perception. *Brain*

Schulze, H., Schilling, A., Krauss, P., **Tziridis, K.** (2023). The Erlangen Model of Tinnitus Development - New perspective and treatment strategy, *HNO Journal*

2024:

Tziridis, K., Maul, A., Rasheed, J., Krauss, P., Schilling, A., Schulze, H. (2024). Tinnitus is associated with increased extracellular matrix density in the auditory cortex of Mongolian gerbils, BMC Neuroscience

2025:

Tziridis, K., Rasheed, J., Kwiatkowska, M., Wright, M., Schlingensiepen, R. (2025) A single dose of AC102 reverts tinnitus by restoring ribbon synapses in noise-exposed Mongolian gerbils. International Journal of Molecular Science

Tziridis, K., Neubert, B., Seehaus, A., Krauss, P., Schilling, A., Brüggemann, P., Mazurek, B., Schulze, H. (2025). Correlation of non-auditory comorbidities and hearing loss in chronic subjective tinnitus patients: a retrospective database study. Frontiers in Neurology