

Publication list

H-Index: 13

Number of Citations: 773 (google scholar)

First authorships: 14

Senior authorships: 9

Secondary authorships: 5

Co-authorships: 23

First authorships

Schoisswohl, S., Vizethum, M., Schecklmann, M., Reissmann, A., Vielsmeier, V., Kerkel, K., & Langguth, B. (2025). Brief Acoustic Tinnitus Suppression as a Diagnostic Procedure in Clinical Routine: Feasibility and Results. *Journal of the Association for Research in Otolaryngology*. <https://doi.org/10.1007/s10162-025-01004-0>

Schoisswohl, S., Kanig, C., Osnabruegge, M., Agboada, D., Langguth, B., Rethwilm, R., Hebel, T., Abdelnaim, M. A., Mack, W., Seiberl, W., Kuder, M., & Schecklmann, M. (2024). Monitoring changes in TMS-evoked EEG and EMG activity during 1 Hz rTMS of the healthy motor cortex. *eNeuro*, ENEURO.0309-23.2024. <https://doi.org/10.1523/ENEURO.0309-23.2024>

Schoisswohl, S., Basso, L., Simoes, J., Engelke, M., Langguth, B., Mazurek, B., Lopez-Escamez, J. A., Kikidis, D., Cima, R., Bernal-Robledano, A., Boecking, B., Bulla, J., Cederroth, C. R., Denys, S., Escalera-Balsera, A., Gallego-Martinez, A., Gallus, S., Hidalgo-Lopez, L., Jarach, C. M., ... Schlee, W. (2024). *Single versus Combination Treatment in Tinnitus: An International, Multicentre, Parallel-arm, Superiority, Randomised Controlled Trial* (p. 2024.01.09.24300978). medRxiv. <https://doi.org/10.1101/2024.01.09.24300978>

Schoisswohl, S., Langguth, B., Weber, F. C., Abdelnaim, M. A., Hebel, T., Mack, W., & Schecklmann, M. (2023). One way or another: Treatment effects of 1 Hz rTMS using different current directions in a small sample of tinnitus patients. *Neuroscience Letters*, 797, 137026. <https://doi.org/10.1016/j.neulet.2022.137026>

Schoisswohl, S., Langguth, B., Weber, F. C., Abdelnaim, M. A., Hebel, T., & Schecklmann, M. (2023). Activate & fire: A feasibility study in combining acoustic stimulation and continuous theta burst stimulation in chronic tinnitus. *BMC Neurology*, 23(1), 14. <https://doi.org/10.1186/s12883-022-03036-y>

Schoisswohl, S., Langguth, B., Hebel, T., Vielsmeier, V., Abdelnaim, M. A., & Schecklmann, M. (2022). Personalization of Repetitive Transcranial Magnetic Stimulation for the Treatment of Chronic Subjective Tinnitus. *Brain Sciences*, 12(2), Article 2. <https://doi.org/10.3390/brainsci12020203>

- Schoisswohl, S., Schecklmann, M., Langguth, B., Schlee, W., & Neff, P. (2021).** Neurophysiological correlates of residual inhibition in tinnitus: Hints for trait-like EEG power spectra. *Clinical Neurophysiology*, 132(7), 1694–1707. <https://doi.org/10.1016/j.clinph.2021.03.038>
- Schoisswohl, S., Langguth, B., Gebel, N., Poepl, T. B., Kreuzer, P. M., & Schecklmann, M. (2021).** Electrophysiological evaluation of high and low-frequency transcranial random noise stimulation over the auditory cortex. In *Progress in Brain Research* (Vol. 263, pp. 95–108). Elsevier. <https://doi.org/10.1016/bs.pbr.2020.08.009>
- Schoisswohl, S., Langguth, B., Hebel, T., Abdelnaim, M. A., Volberg, G., & Schecklmann, M. (2021).** Heading for Personalized rTMS in Tinnitus: Reliability of Individualized Stimulation Protocols in Behavioral and Electrophysiological Responses. *Journal of Personalized Medicine*, 11(6), Article 6. <https://doi.org/10.3390/jpm11060536>
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- Schoisswohl, S., Langguth, B., & Schecklmann, M. (2020a).** P123 Individualization of e-field guided repetitive transcranial magnetic stimulation for the treatment of chronic subjective tinnitus. *Clinical Neurophysiology*, 131(4), e81–e82. <https://doi.org/10.1016/j.clinph.2019.12.234>
- Schoisswohl, S., Langguth, B., & Schecklmann, M. (2020b).** Short-Term Tinnitus Suppression With Electric-Field Guided rTMS for Individualizing rTMS Treatment: A Technical Feasibility Report. *Frontiers in Neurology*, 11, 86. <https://doi.org/10.3389/fneur.2020.00086>
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- Schoisswohl, S., Arnds, J., Schecklmann, M., Langguth, B., Schlee, W., & Neff, P. (2019).** Amplitude Modulated Noise for Tinnitus Suppression in Tonal and Noise-Like Tinnitus. *Audiology and Neurotology*, 24(6), 309–321. <https://doi.org/10.1159/000504593>

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- Kanig, C., Osnabruegge, M., Schwitzgebel, F., Mack, W., Schecklmann, M., & **Schoisswohl, S.** (2025). Influences of current direction on 1 Hz motor cortex rTMS. *Brain Research Bulletin*, 230, 111484. <https://doi.org/10.1016/j.brainresbull.2025.111484>
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- Kerkel, K., Reissmann, A., Langguth, B., Osnabruegge, M., Tomasevic, L., Litschel, K., Kuder, M., Schecklmann, M., & **Schoisswohl, S.** (2025). *Home-based TMS treatment of depression using accelerated intermittent theta-burst stimulation (aiTBS): A pioneering feasibility study.* Research Square. <https://doi.org/10.21203/rs.3.rs-6915977/v1>
- Hebel, T., Schecklmann, M., Abdelnaim, M. A., Weber, F. C., Langguth, B., & **Schoisswohl, S.** (2024). Left prefrontal intermittent theta burst stimulation ameliorates tinnitus distress and symptoms of depression – A feasibility study. *Neuroscience Letters*, 137726. <https://doi.org/10.1016/j.neulet.2024.137726>
- Osnabruegge, M., Kanig, C., Schwitzgebel, F., Litschel, K., Seiberl, W., Mack, W., Schecklmann, M., & **Schoisswohl, S.** (2023). On the reliability of motor evoked potentials in hand muscles of healthy adults: A systematic review. *Frontiers in Human Neuroscience*, 17. <https://www.frontiersin.org/articles/10.3389/fnhum.2023.1237712>
- Prei, K., Kanig, C., Osnabrügge, M., Langguth, B., Mack, W., Abdelnaim, M., Schecklmann, M., & **Schoisswohl, S.** (2023). Limited evidence for reliability of low and high frequency rTMS over the motor cortex. *Brain Research*, 148534. <https://doi.org/10.1016/j.brainres.2023.148534>
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Secondary authorships

Kerkel, K., **Schoisswohl, S.**, Langguth, B., Abdelnaim, M. A., Bernet, J., Schecklmann, M., & Reissmann, A. (2025). Is more better? Comparing 600, 1200 and 1800 pulses/session (p/s) of intermittent theta-burst stimulation (iTBS) for the treatment of depression. *Journal of Psychiatric Research*, 184, 256–261. <https://doi.org/10.1016/j.jpsychires.2025.03.006>

Shabestari, P. S., **Schoisswohl, S.**, Wellauer, Z., Naas, A., Kleinjung, T., Schecklmann, M., Langguth, B., & Neff, P. (2025). Prediction of acoustic tinnitus suppression using resting-state EEG via explainable AI approach. *Scientific Reports*, 15(1), 10968. <https://doi.org/10.1038/s41598-025-95351-w>

Schlee, W., **Schoisswohl, S.**, Staudinger, S., Schiller, A., Lehner, A., Langguth, B., Schecklmann, M., Simoes, J., Neff, P., Marcum, S. C., Spiliopoulou, M., Niemann, U., Schleicher, M., Unnikrishnan, V., Puga, C., Mulansky, L., Pryss, R., Vogel, C., Allgaier, J., ... Kikidis, D. (2021). Towards a unification of treatments and interventions for tinnitus patients: The EU research and innovation action UNITI. *Progress in Brain Research*, 260, 441–451. <https://doi.org/10.1016/bs.pbr.2020.12.005>

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Hebel, T., Göllnitz, A., **Schoisswohl, S.**, Weber, F. C., Abdelnaim, M., Wetter, T. C., Rupprecht, R., Langguth, B., & Schecklmann, M. (2021). A direct comparison of neuronavigated and non-neuronavigated intermittent theta burst stimulation in the treatment of depression. *Brain Stimulation*, 14(2), 335–343. <https://doi.org/10.1016/j.brs.2021.01.013>

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Spencer, S., Sereda, M., **Schoisswohl, S.**, Olszewski, J., & Mielczarek, M. (2019). COMPARISON OF INVASIVE VERSUS NON-INVASIVE ELECTRICAL EAR STIMULATION IN TINNITUS SUPPRESSION: LITERATURE REVIEW. *Journal of Hearing Science*, 9(3), 9–23. <https://doi.org/10.17430/1003431>

Simoes, J., Neff, P., **Schoisswohl, S.**, Bulla, J., Schecklmann, M., Harrison, S., Vesala, M., Langguth, B., & Schlee, W. (2019). Toward Personalized Tinnitus Treatment: An Exploratory Study Based on Internet Crowdsensing. *Frontiers in Public Health*, 7, 157. <https://doi.org/10.3389/fpubh.2019.00157>

Talks

Schoisswohl, S. (2025). Modulation of oscillatory brain activity with various brief protocols of repetitive transcranial magnetic stimulation in tinnitus. *15th Tinnitus Research Initiative Conference 2025*, May 15-18, Seoul, South Korea.

Schoisswohl, S. (2024). The effects of combining transcranial magnetic stimulation with auditory stimulation on tinnitus symptoms. *14th Tinnitus Research Initiative Conference 2024*, June 10-12, Vancouver, Canada.

Schoisswohl, S. (2023). Tracking the temporal dynamics of TMS-evoked electrophysiological activity during robot-assisted 1 Hz rTMS of the motor cortex. *Annual Regensburg*

Transcranial Evoked Measurements Interactive Symposium (ARTEMIS), October 20, Regensburg, Germany.

Schoisswohl, S. (2023). Unification of Treatments and Interventions for Tinnitus Patients (UNITI-Project). *Tinnitus UK Annual Tinnitus Conference 2023*, September 25-29.

Schoisswohl, S. (2023). Single versus Combinational Treatment in Tinnitus. A Randomized, Multicenter Trial. *13th Tinnitus Research Initiative Conference 2023*, June 6-9, Dublin, Ireland.

Schoisswohl, S. (2023). Repetitive transcranial magnetic stimulation in tinnitus: rational, current stage of research and future perspectives. *Brainbox Initiative Webinar*, March 30, 2023.

Schoisswohl, S. (2023). TMS-evoked potentials during 1 Hz rTMS over the healthy motor cortex in a standard clinical setting. *5th International Brain Stimulation Conference*, February 18-22, Lisbon, Portugal.

Schoisswohl, S. (2022). TMS-evoked potentials during 1 Hz rTMS over the healthy motor cortex in a standard clinical setting. *Annual Regensburg Transcranial Evoked Measurements Interactive Symposium (ARTEMIS)*, October 21, Regensburg, Germany.

Schoisswohl, S. (2022). Unification of Treatments and Interventions for Tinnitus Patients (UNITI). *British Tinnitus Association Annual Tinnitus Conference 2022*, September 26-30.

Schoisswohl, S. (2022). An Example for Treatment Personalization in Tinnitus. *Tinnitus at the Lake*, June 30 - July 1, Herrsching am Ammersee, Germany.

Schoisswohl, S. (2022). Shushing the Sizzle: Non-Invasive Brain Stimulation in Tinnitus. *Tinnitus Research Initiative Academy – Online Seminar Series*, January 19.

Schoisswohl, S. (2020). Towards a moment of silence: Auditory stimulation and repetitive transcranial magnetic stimulation for the treatment of tinnitus. *ARTORG Center for Biomedical Engineering Research*, February 21, Bern, Switzerland.

Schoisswohl, S. (2019). Personalized rTMS in tinnitus. *11th International Symposium on nTMS in Neurosurgery and Neuromodulation*, November 8-9, Berlin, Germany.

Schoisswohl, S. (2019). RTMS parameters in tinnitus trials: a systematic review. *12th Tinnitus Research Initiative Conference*, May 17-19, Taipei, Taiwan.

Schoisswohl, S. (2018). Einfluss von rTMS Parametern auf berichtete Ergebnisse in Tinnitus Studien: Eine systematische Review-Arbeit. (2018). *Annual meeting of the German Association for Brain Stimulation in Psychiatry (Deutsche Gesellschaft für Hirnstimulation in der Psychiatry, DGHP)*, November 16-17, Magdeburg, Germany.

Schoisswohl, S. (2018). Examples of Clinical and Basic Research of Transcranial Random Noise Stimulation (TRNS). *44th Psychology and Brain Conference*, May 30 - June 2, Gießen, Germany.

Schoisswohl, S. (2018). Rapid Research Review – Activate & Fire: Pairing auditory stimulation with repetitive transcranial magnetic stimulation for the treatment of tinnitus. *British Tinnitus Association Annual Conference*, September 14, Birmingham, United Kingdom.

Conference poster

Schoisswohl, S., Langguth, B. & Schecklmann, M. (2024) Tackling the effect variability of repetitive transcranial magnetic stimulation in the treatment of chronic subjective tinnitus. *2024 NYC Neuromodulation Conference*, July 31-August 3, New York City, USA.

Schoisswohl, S., Kanig, C., Osnabruegge, M., Agboada, D., Langguth, B., Rethwilm, R., Seiberl, W., Mack, W. & Schecklmann M. (2023). TMS-evoked potentials during 1 Hz rTMS over the healthy motor cortex in a standard clinical setting. *5th International Brain Stimulation Conference*, February 18-22, Lisbon, Portugal.

Schoisswohl, S., Langguth, B. & Schecklmann M. (2022). Personalization of repetitive transcranial magnetic stimulation in tinnitus – current state of research. *5th Brain Stimulation in Psychiatry*, June 3-5, Zagreb, Croatia.

Schoisswohl, S., Langguth, B. & Schecklmann M. (2020). Individualization of e-field guided repetitive transcranial magnetic stimulation for the treatment of chronic subjective tinnitus. *7th International Conference on Non-invasive Brain Stimulation*, November 10-14, Baden-Baden, Germany

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