

PUBLICATIONS, IN CHRONOLOGICAL ORDER, IN INTERNATIONAL PEER-REVIEWED AND INDEXED SCIENTIFIC JOURNALS OR BOOKS (* = corresponding author; # = co-first or co-last author)

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- 4) Bella R, Ferri R, Pennisi M, Cantone M, **Lanza G**, Malaguarnera G, Spampinato C, Giordano D, Alagona G, Pennisi G. Enhanced motor cortex facilitation in patients with vascular cognitive impairment-no dementia. *Neurosci Lett* 2011;503(3):171-5. doi: 10.1016/j.neulet.2011.08.022. PMID: 21875648.
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- 8) Bella R, Ferri R, **Lanza G**, Cantone M, Pennisi M, Puglisi V, Vinciguerra L, Spampinato C, Mazza T, Malaguarnera G, Pennisi G. TMS follow-up study in patients with Vascular Cognitive Impairment – No Dementia. *Neurosci Lett* 2013;534:155-9. doi: 10.1016/j.neulet.2012.12.017. PMID: 23274709.
- 9) Spampinato C, Aguglia E, Concerto C, Pennisi M, **Lanza G**, Bella R, Cantone M, Pennisi G, Kavasidis I, Giordano D. Transcranial Magnetic Stimulation in the Assessment of Motor Cortex Excitability and Treatment of Drug-Resistant Major Depression. *IEEE Trans Neural Syst Rehabil Eng* 2013;21(3):391-403. doi: 10.1109/TNSRE.2013.2256432. PMID: 23559064.

- 10)Concerto C, **Lanza G**, Cantone M, Pennisi M, Giordano D, Spampinato C, Ricceri R, Pennisi G, Aguglia E, Bella R. Different patterns of cortical excitability in major depression and vascular depression: a transcranial magnetic stimulation study. *BMC Psychiatry* 2013;13:300. doi: 10.1186/1471-244X-13-300. PMID: 24206945.
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ABSTRACTS, IN CHRONOLOGICAL ORDER, ACCEPTED FOR PRESENTATION AT CONFERENCES
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ABSTRACTS, IN CHRONOLOGICAL ORDER, ACCEPTED FOR PRESENTATION AT CONFERENCES AND PUBLISHED IN NATIONAL OR INTERNATIONAL CONFERENCE PROCEEDINGS (* = presenting author)

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- 32) **Lanza G***, Fisicaro F, Cantone M, Ferri R, Pennisi G, Bella R, Pennisi M. Repetitive transcranial magnetic stimulation in vascular depression: an exploratory multimodal study. 3rd Meeting della Società Italiana Ricerca Traslazionale e Professioni Sanitarie (SIRTEPS): Precision Medicine in the Era of Integrated Omics. Favignana (Italy), May 18-19, 2023.
- 33) **Lanza G***. Non-invasive brain stimulation in gut-brain axis disorder: disentangling its involvement in celiac disease. Periphery-Brain Interplay and CNS Disease. Leuven (Belgium), November 14-15, 2023.
- 34) **Lanza G***, Lanuzza B, Tripodi M, Morreale M, Cosentino FII, Toscano G, Galeano A, Mogavero MP, Pennisi M, Bella R, Paulus W, Ferri R. Isolated and symptomatic RBD in Parkinson's disease

share a common neurophysiological pattern: a pilot TMS study. XXXIII Congress of the Italian Association of Sleep Medicine (AIMS). Milan (Italy), November 24-26, 2023.

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- 38) Romano C, Schillaci FA, **Lanza G**, Marchese G, Salluzzo MG, Cordella A, Caniglia S, Bruccheri MG, Truda A, Greco D, Ferri R, Salemi M. Transcriptome Study in Sicilian Patients with Autism Spectrum Disorder. XXVII National Congress of the Italian Society of Human Genetics (SIGU). Padoa (Italy), October 2-4, 2024.
- 39) Salemi M, Schillaci FA, **Lanza G**, Salluzzo MG, L'Episcopo F, Ferri R. The role of ETNPPL in Dopaminergic Neuron Stability: Insights from Neuromelanin-Associated Protein Expression in Parkinson's Disease. IV Annual Meeting of the IRCCS Network of Neurosciences and Neurorehabilitation (RIN). Genoa (Italy), November 21-22, 2024.
- 40) Ferri R, Mogavero MP, DelRosso LM, **Lanza G**, Lanuzza B, Bruni O, Ferini-Strambi L. Exploring Sex Differences in Periodic Leg Movements During Sleep Across the Lifespan. XXXIV National Congress of the Italian Academy of Sleep Medicine (AIMS). Tirrenia (Italy), November 29 – December 01, 2024.
- 41) Mogavero MP, Congiu P, **Lanza G**, Marelli S, Castelnovo A, Delrosso LM, Puligheddu M, Ferini-Strambi L, Ferri R. Characterization of Large Muscle Group Movements during Sleep in Restless Leg Syndrome: new insights in Neurophysiological and Clinical Implications. XXXIV National Congress of the Italian Academy of Sleep Medicine (AIMS). Tirrenia (Italy), November 29 – December 01, 2024.
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- 45) Nicoletti VG, **Lanza G**, Cantone M, Calcagno D, Pennisi M, Bella R, Cipollina A, Piattelli A. Repetitive magnetic stimulation (rMS) affects SHSY5Y cell differentiation and recovery. Academy of Neoregenerative Therapies and Hemo-Components (ANTHEC). Taormina (Italy), September 4-6, 2025.
- 46) Palmigiano A, Quercia A, Galeano A, Pastorello G, Garifoli A, Lanuzza B, Morreale M, Tripodi M, Cosentino FII, Marano P, Toscano G, Toscano R, Figorilli M, Ginatempo F, Mogavero M, Pennisi M, Bella R, Quartarone A, Ferri R, **Lanza G**. First evidence of altered interhemispheric excitability in patients with REM sleep behavior disorder (RBD): an exploratory TMS study. V Annual Meeting of the IRCCS Network of Neurosciences and Neurorehabilitation (RIN). Taormina (Italy), November 13-14, 2025.
- 47) Mogavero MP, Marchese G, Ventola GM, **Lanza G**, Bruni O, Ferini-Strambi L, Ferri R. Esplorazione del Ruolo della Ferroptosi nella Fisiopatologia e nella Regolazione Circadiana della Sindrome delle Gambe Senza Riposo. XXXV National Congress of the Italian Academy of Sleep Medicine (AIMS). Isola delle Femmine (Italy), November 28-30, 2025.
- 48) Maestri M, Geromino C, Figorilli M, Meloni F, Casaglia E, Masci M, Mulas M, Provini F, Baldelli L, Sambati L, Di Laudo G, Mattioli P, Orso B, Losa M, Arnaldi D, Ferini Strambi L, Marelli S, Castelnuovo A, Casoni FM, Terzaghi M, Capriglia E, Malomo G, Rustioni V, Plazzi G, Biscarini F, Liguori C, Fernandes M, Cirillo F, Hoxhaj D, Bonanni E, Della Marca G, Brunetti V, Ferri R, **Lanza G**, Pellitteri G, Rossato G, Guarnieri B, Antelmi E, Ingravallo F, Puligheddu M. Sex Differences in Clinical and Prognostic Trajectories in Patients with Idiopathic REM Sleep Behavior Disorder: Insights from the FARPRESTO Cohort. XXXV National Congress of the Italian Academy of Sleep Medicine (AIMS). Isola delle Femmine (Italy), November 28-30, 2025.
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- 52) Sanni A, Adewolu AM, Purba WT, Bhuiyan MAA, Hakim A, Talih F, **Lanza G**, Kobeissy FH, Plazzi G, Pizza F, Ferri R, Mechref Y. Alteration of Lipid Profile in Patients with Narcolepsy Type 1. ASMS Conference on Mass Spectrometry and Allied Topics. San Diego (CA, USA). May 31 – June 04, 2026.
- 53) Quercia A, **Lanza G**, Palmigiano A, Terravecchia C, Mogavero MP, Pastorello G, Galeano A, Basile Gigante G, Figorilli M, Ginatempo F, Liguori C, Ferri R. Aperiodic Cortical Dynamics as Markers of Sleep Instability and Inhibitory Failure in REM Sleep Behavior Disorder: Preliminary Evidence. I ISNeT (Italian Society of Neuromodulation and Neurotechnologies) National Congress – Neuromodulation and Neurotechnologies in Clinics. Rome (Italy), May 8-9, 2026.
- 54) **Lanza G***, Quercia A, Antelmi E, Figorilli M, Galeano A, Garifoli A, Ginatempo F, Lanuzza B, Liguori C, Mogavero MP, Morreale M, Nicoletti A, Palmigiano A, Pastorello G, Pennisi M, Puligheddu MF, Terravecchia C, Tripodi M, Schenck CH, Ferri R. Sensorimotor cholinergic networks to TMS from isolated REM sleep behavior disorder to Parkinson’s disease: preliminary evidence from short-latency afferent inhibition analysis. International RBD Study Group 19th Annual Meeting. Minneapolis (MI, USA), June 11-13, 2026.

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- 1) Arizza L, Barbarino G, Calà N, D’Amico E, **Lanza G**, Modica D, Quattrocchi G. Approccio clinico e possibilità di trattamento nella SLA. *Formazione Psichiatrica* n. 1 e 2, Gennaio – Giugno 2008.
- 2) Arizza L, Barbarino G, Calà N, D’Amico E, **Lanza G**, Modica D, Quattrocchi G. Morfometria delle strutture del tronco encefalico in pazienti affetti da atassia spino-cerebellare tipo 2 (SCA 2): indicatore diagnostico e riabilitativo? *Formazione Psichiatrica* n. 1 e 2, Gennaio – Giugno 2008.

- 3) Arizza L, Barbarino G, Calà N, D'Amico E, **Lanza G**, Modica D, Quattrocchi G. La sindrome disesecutiva nel Mild Cognitive Impairment: aspetti clinici e possibilità riabilitative. *Formazione Psichiatrica* n. 1 e 2, Gennaio – Giugno 2008.

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- 2) Figorilli M, **Lanza G**, Congiu P, Lecca R, Casaglia E, Mogavero MP, Puligheddu M, Ferri, R. REM Sleep Behavior Disorder. *Encyclopedia* 2022; <https://encyclopedia.pub/entry/24398>.
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