SOURCES OF EVIDENCE AND THEIR WEIGHT				Relevance	Validity	Reliability	WoE Score	WoE Contribution
Exposure								
Aerts, S., Calderon, C., Valič, B., Maslanyj, M., Addison, D., Mee, T., Goiceanu, C., Verloock, L., Van den Bossche, M., Gajšek, P., Vermeulen, R., Röösli, M., Cardis, E., Martens, L., & Joseph, W.	2017	Measurements of intermediate-frequency electric and magnetic fields in households.	https://doi.org/10.1016/j.envres.2017.01.001	High	High	High	9	High
Kitajima, T., Schüz, J., Morita, A., Ikeda, W., Tanaka, H., Togawa, K., Gabazza, E. C., Taki, M., Toriyabe, K., Ikeda, T., & Sokejima, S.	2022	Measurement of Intermediate Frequency Magnetic Fields Generated by Household In	https://doi.org/10.3390/ijerph191911912	High	High	Medium	8	High
Gajšek, P., Ravazzani, P., Grellier, J., Samaras, T., Bakos, J., & Thuróczy, G.	2016	Review of Studies Concerning Electromagnetic Field (EMF) Exposure Assessment in Eu	https://doi.org/10.3390/ijerph13090875	High	High	Medium	8	High
Bonato, M., Chiaramello, E., Parazzini, M., Gajšek, P., & Ravazzani, P.	2023	Extremely Low Frequency Electric and Magnetic Fields Exposure: Survey of Recent Find	https://doi.org/10.1109/JERM.2023.3268555	High	High	High	9	High
Interaction mechanisms								
Bouché, N. F., & McConway, K.	2019	Melatonin Levels and Low-Frequency Magnetic Fields in Humans and Rats: New Insigh	https://doi.org/10.1002/bem.22218	High	high	High	9	High
Ohayon, M. M., Stolc, V., Freund, F. T., Milesi, C., & Sullivan, S. S.	2019	The potential for impact of man-made super low and extremely low frequency electro	https://doi.org/10.1016/j.smrv.2019.06.001	Medium	Medium	Medium	6	Medium
Bertagna, F., Lewis, R., Silva, S. R. P., McFadden, J., & Jeevaratnam, K.	2021	Effects of electromagnetic fields on neuronal ion channels: a systematic review. Annals	https://doi.org/10.1111/nyas.14597	High	High	High	9	High
Golbach, L. A., Portelli, L. A., Savelkoul, H. F., Terwel, S. R., Kuster, N., de Vries, R. B., & Verburg-van Kemenade, B. M.	2016	Calcium homeostasis and low-frequency magnetic and electric field exposure: A syster	https://doi.org/10.1016/j.envint.2016.01.014	High	High	High	9	High
Panagopoulos, D. J., Karabarbounis, A., Yakymenko, I., & Chrousos, G. P.	2021	Human made electromagnetic fields: Ion forced oscillation and voltage gated ion char	https://doi.org/10.3892/ijo.2021.5272	Low	Medium	Medium	5	Medium
Juutilainen, J., Herrala, M., Luukkonen, J., Naarala, J., & Hore, P. J.	2018	Magnetocarcinogenesis: is there a mechanism for carcinogenic effects of weak magne	https://doi.org/10.1098/rspb.2018.0590	High	Medium	Medium	7	High
Giorgi, G., & Del Re, B.	2021	Epigenetic dysregulation in various types of cells exposed to extremely low-frequency	https://doi.org/10.1007/s00441-021-03489-6	High	Medium	Medium	7	High
Schuermann, D., & Mevissen, M.	2021	Manmade Electromagnetic Fields and Oxidative Stress-Biological Effects and Conseque	https://doi.org/10.3390/ijms22073772	High	Medium	Medium	7	High
Mansourian, M., Marateb, H. R., & Vaseghi, G.	2016	The effect of extremely low-frequency magnetic field (50-60 Hz) exposure on spontane	https://doi.org/10.4103/2277-9175.187375	High	Low	Low	5	Medium
Health effects from ELF EMF								
Schüz, J., & Erdmann, F.	2016	Environmental Exposure and Risk of Childhood Leukemia: An Overview. Archives of me	https://doi.org/10.1016/j.arcmed.2016.11.017	Medium	Low	Medium	5	Medium
Kheifets, L., Swanson, J., Yuan, Y., Kusters, C., & Vergara, X.	2017	Comparative analyses of studies of childhood leukemia and magnetic fields, radon and	https://doi.org/10.1088/1361-6498/aa5fc7	High	Medium	High	8	High
Onyije, F. M., Olsson, A., Baaken, D., Erdmann, F., Stanulla, M., Wollschläger, D., & Schüz, J.	2022	Environmental Risk Factors for Childhood Acute Lymphoblastic Leukemia: An Umbrella	https://doi.org/10.3390/cancers14020382	High	High	Medium	8	High
Swanson, J., Kheifets, L., & Vergara, X.	2019	Changes over time in the reported risk for childhood leukaemia and magnetic fields. Jo	https://doi.org/10.1088/1361-6498/ab0586	High	High	High	9	High
Seomun, G., Lee, J., & Park, J.	2021	Exposure to extremely low-frequency magnetic fields and childhood cancer: A systema	https://doi.org/10.1371/journal.pone.0251628	High	High	High	9	High
Brabant, C., Geerinck, A., Beaudart, C., Tirelli, E., Geuzaine, C., & Bruyère, O.	2022	Exposure to magnetic fields and childhood leukemia: a systematic review and meta-an	https://doi.org/10.1515/reveh-2021-0112	High	High	High	9	High
Amoon, A. T., Swanson, J., Magnani, C., Johansen, C., & Kheifets, L.	2022	Pooled analysis of recent studies of magnetic fields and childhood leukemia. Environm	https://doi.org/10.1016/j.envres.2021.111993	High	High	High	9	High
Health Council of the Netherlands.	2018	Power lines and health part I: childhood cancer. The Hague: Health Council of the Netherlands, 2018; publication no. 2018/08e.		High	High	High	9	High
Health Council of the Netherlands.	2022	Power lines and health: cancer in adults. The Hague: Health Council of the Netherlands, 2022; publication no. 2022/14e.		High	High	High	9	High
Killin, L. O., Starr, J. M., Shiue, I. J., & Russ, T. C.	2016	Environmental risk factors for dementia: a systematic review. BMC geriatrics, 16(1), 17	https://doi.org/10.1186/s12877-016-0342-y	High	Medium	Medium	7	High
Gunnarsson, L. G., & Bodin, L.	2017	Parkinson's disease and occupational exposures: a systematic literature review and me	https://doi.org/10.5271/sjweh.3641	High	Medium	Medium	7	High
Gunnarsson, L. G., & Bodin, L.	2019	Occupational Exposures and Neurodegenerative Diseases-A Systematic Literature Revi	https://doi.org/10.3390/ijerph16030337	High	High	High	9	High
Huss, A., Peters, S., & Vermeulen, R.	2018	Occupational exposure to extremely low-frequency magnetic fields and the risk of ALS	https://doi.org/10.1002/bem.22104	High	High	High	9	High
Röösli, M., & Jalilian, H.	2018	A meta-analysis on residential exposure to magnetic fields and the risk of amyotrophic	https://doi.org/10.1515/reveh-2018-0019	High	High	High	9	High
Jalilian, H., Teshnizi, S. H., Röösli, M., & Neghab, M.	2018	Occupational exposure to extremely low frequency magnetic fields and risk of Alzheim	https://doi.org/10.1016/j.neuro.2017.12.005	High	High	High	9	High
Habash, M., Gogna, P., Krewski, D., & Habash, R. W. Y.	2019	Scoping Review of the Potential Health Effects of Exposure to Extremely Low-Frequenc	https://doi.org/10.1615/CritRevBiomedEng.2019030211	High	High	High	9	High
Health Council of the Netherlands.	2022	Power lines and health: neurodegenerative diseases. The Hague: Health Council of the Netherlands, 2022; publication no. 2022/13e.		High	High	High	9	High
Ohayon, M. M., Stolc, V., Freund, F. T., Milesi, C., & Sullivan, S. S.	2019	The potential for impact of man-made super low and extremely low frequency electro	https://doi.org/10.1016/j.smrv.2019.06.001	High	High	High	9	High
Woods, N., Gilliland, J., & Seabrook, J. A.	2017	The influence of the built environment on adverse birth outcomes. Journal of neonatal	https://doi.org/10.3233/NPM-16112	High	High	High	9	High

Zhou F., Ma C., Li Y., Zhang M., & Liu W.	2022	The Effect of Extremely Low-Frequency Electromagnetic Radiation on Pregnancy Outc	https://www.anncaserep.com/abstract.php?aid=9338	High	High	High	9	High
Ramezanifar, S., Beyrami, S., Mehrifar, Y., Ramezanifar, E., Soltanpour, Z., Namdari, M., & Gharari, N.	2023	Occupational Exposure to Physical and Chemical Risk Factors: A Systematic Review of F	https://doi.org/10.1016/j.shaw.2022.10.005	High	High	High	9	High
Leszczynski D.	2021	Review of the scientific evidence on the individual sensitivity to electromagnetic fields	https://doi.org/10.1515/reveh-2021-0038	High	High	High	9	High
Bouché, N. F., & McConway, K.	2019	Melatonin Levels and Low-Frequency Magnetic Fields in Humans and Rats: New Insigh	https://doi.org/10.1002/bem.22218	High	High	High	9	High
Health effects from IF EMF								
Bodewein, L., Schmiedchen, K., Dechent, D., Stunder, D., Graefrath, D., Winter, L., Kraus, T., & Driessen, S.	2019	Systematic review on the biological effects of electric, magnetic and electromagnetic f	https://doi.org/10.1016/j.envres.2019.01.015	**High**	**High**	**High**	**9**	**High**
Lee, H. J., Jin, H., Ahn, Y. H., Kim, N., Pack, J. K., Choi, H. D., & Lee, Y. S.	2022	Effects of intermediate frequency electromagnetic fields: a review of animal studies. In	Advance online publication	High	High	medium	8	High
AUXILIARY PUBLICATIONS USED TO WEIGH THE SOURCES OF EVIDENCE & INFORMATIVE PUBLICATIONS								
Exposure								
Mahesh, A., Chokkalingam, B., & Mihet-Popa, L.	2021	Inductive Wireless Power Transfer Charging for Electric Vehicles – A Review. IEEE Acce	https://doi.org/10.1109/ACCESS.2021.3116678					
Miwa, K., Takenaka, T., & Hirata, A.	2019	Electromagnetic Dosimetry and Compliance for Wireless Power Transfer Systems in Ve	https://doi.org/10.1109/TEMC.2019.2949983					
Haussmann, N., Zang, M., Mease, R., Schmuelling, B., & Clemens, M.	2022	Magnetic dosimetry simulations of wireless power transfer systems with high resoluti	https://doi.org/10.1002/jnm.3075					
Liorni, I., Bottauscio, O., Guilizzoni, R., Ankarson, P., Bruna, J., Fallahi, A., Harmon, S., & Zucca, M.	2020	Assessment of Exposure to Electric Vehicle Inductive Power Transfer Systems: Experim	https://doi.org/10.3390/su12114573					
Bae, H., & Park, S.	2023	Assessment of the Electromagnetic Radiation Exposure at EV Charging Facilities. Senso	https://doi.org/10.3390/s23010162					
Mlýnek P, Rusz M, Benešl L, Sláčik J, Musil P.	2021	Possibilities of Broadband Power Line Communications for Smart Home and Smart Bui	https://doi.org/10.3390/s21010240					
Monadizadeh, S., Kibert, C. J., Li, J., Woo, J., Asutosh, A., Roostaie, S., & Kouhirostami, M.	2021	A review of protocols and guidelines addressing the exposure of occupants to electron	https://doi.org/10.3992/jgb.16.2.55					
Frankel, J., Wilén, J., & Hansson Mild, K.	2018	Assessing Exposures to Magnetic Resonance Imaging's Complex Mixture of Magnetic F	https://doi.org/10.3389/fpubh.2018.00066					
Interaction mechanisms								
Reilly J.	1998	Applied bioelectricity: from electrical stimulation to electropathology. New York: Springer-Verlag; 1998.						
Budinger, T. F., Fischer, H., Hentschel, D., Reinfelder, H. E., & Schmitt, F.	1991	Physiological effects of fast oscillating magnetic field gradients. Journal of computer as	https://doi.org/10.1097/00004728-199111000-00001					
Cohen, M. S., Weisskoff, R. M., Rzedzian, R. R., & Kantor, H. L.	1990	Sensory stimulation by time-varying magnetic fields. Magnetic resonance in medicine,	https://doi.org/10.1002/mrm.1910140226					
So, P. P., Stuchly, M. A., & Nyenhuis, J. A.	2004	Peripheral nerve stimulation by gradient switching fields in magnetic resonance imagi	https://doi.org/10.1109/TBME.2004.834251					
Laakso, I., & Hirata, A.	2012	Computational analysis of thresholds for magnetophosphenes. Physics in medicine an	https://doi.org/10.1088/0031-9155/57/19/6147					
Amidi, A., & Wu, L. M.	2022	Circadian disruption and cancer- and treatment-related symptoms. Frontiers in oncolo	https://doi.org/10.3389/fonc.2022.1009064					
Touitou, Y., & Selmaoui, B.	2012	The effects of extremely low-frequency magnetic fields on melatonin and cortisol, two	https://doi.org/10.31887/DCNS.2012.14.4/ytouitou					
Halgamuge M. N.	2013	Pineal melatonin level disruption in humans due to electromagnetic fields and ICNIRP	https://doi.org/10.1093/rpd/ncs255					
Maeda, K., Robinson, A. J., Henbest, K. B., Hogben, H. J., Biskup, T., Ahmad, M., Schleicher, E., Weber, S., Timmel, C. R., & Hore, P. J.	2012	Magnetically sensitive light-induced reactions in cryptochrome are consistent with its	https://doi.org/10.1073/pnas.1118959109					
Ball, L. J., Palesh, O., & Kriegsfeld, L. J.	2016	The Pathophysiologic Role of Disrupted Circadian and Neuroendocrine Rhythms in Bre	https://doi.org/10.1210/er.2015-1133					
Wang, H., & Zhang, X.	2017	Magnetic Fields and Reactive Oxygen Species. International journal of molecular scien	https://doi.org/10.3390/ijms18102175					
Lai H.	2019	Exposure to Static and Extremely-Low Frequency Electromagnetic Fields and Cellular F	https://doi.org/10.1080/15368378.2019.1656645					
Finkel T.	2011	Signal transduction by reactive oxygen species. The Journal of cell biology, 194(1), 7–1	https://doi.org/10.1083/jcb.201102095					
Afanas'ev I.	2015	Mechanisms of superoxide signalling in epigenetic processes: relation to aging and car	https://doi.org/10.14336/AD.2014.0924					
Consales, C., Merla, C., Marino, C., & Benassi, B.	2018	The epigenetic component of the brain response to electromagnetic stimulation in Par	https://doi.org/10.1002/bem.22083					
Puri B. K.	2020	Calcium Signaling and Gene Expression. Advances in experimental medicine and biolog	https://doi.org/10.1007/978-3-030-12457-1_22					
Health effects from ELF EMF								
Soffritti, M., Tibaldi, E., Padovani, M., Hoel, D. G., Giuliani, L., Bua, L., Lauriola, M., Falcioni, L., Manservigi, M., Manservisi, F., Panzacchi, S., & Belpoggi, F.	2016	Life-span exposure to sinusoidal-50 Hz magnetic field and acute low-dose γ radiation in	https://doi.org/10.3109/09553002.2016.1144942					
Soffritti, M., Tibaldi, E., Padovani, M., Hoel, D. G., Giuliani, L., Bua, L., Lauriola, M., Falcioni, L., Manservigi, M., Manservisi, F., & Belpoggi, F.	2016	Synergism between sinusoidal-50 Hz magnetic field and formaldehyde in triggering ca	https://doi.org/10.1002/ajim.22598					

Bua, L., Tibaldi, E., Falcioni, L., Lauriola, M., De Angelis, L., Gnudi, F., Manservigi, M., Manservisi, F., Manzoli, I., Menghetti, I., Montella, R., Panzacchi, S., Sgargi, D., Strollo, V., Vornoli, A., Mandrioli, D., & Belpoggi, F.	2018	Results of lifespan exposure to continuous and intermittent extremely low frequency e	https://doi.org/10.1016/j.envres.2018.02.036
Wyszkowska, J., & Pritchard, C.	2022	Open Questions on the Electromagnetic Field Contribution to the Risk of Neurodegene	https://doi.org/10.3390/ijerph192316150
Klimek, A., & Rogalska, J.	2021	Extremely Low-Frequency Magnetic Field as a Stress Factor-Really Detrimental? Insigh	https://doi.org/10.3390/brainsci11020174
Modolo, J., Denoyer, Y., Wendling, F., & Benquet, P.	2018	Physiological effects of low-magnitude electric fields on brain activity: advances from i	https://doi.org/10.1016/j.cobme.2018.09.006
Ghazanfarpour, M., Kashani, Z. A., Pakzad, R., Abdi, F., Rahnemaei, F. A., Akbari, P. A., & Roozbeh, N.	2021	Effect of electromagnetic field on abortion: A systematic review and meta-analysis. Op	https://doi.org/10.1515/med-2021-0384
Darbandi, M., Darbandi, S., Agarwal, A., Henkle, R., & Sadeghi, M. R.	2018	The Effects of Exposure to Low Frequency Electromagnetic Fields on Male Fertility. Alternative therapies in health and medicine, 24(4), 24–29.	
Suri, S., Dehghan, S. F., Sahlabadi, A. S., Ardakani, S. K., Moradi, N., Rahmati, M., & Tehrani, F. R.	2020	Relationship between exposure to Extremely Low-Frequency (ELF) magnetic field and t	https://doi.org/10.1002/1348-9585.12173
Piszczek, P., Wójcik-Piotrowicz, K., Gil, K., & Kaszuba-Zwoińska, J.	2021	Immunity and electromagnetic fields. Environmental research, 200, 111505.	https://doi.org/10.1016/j.envres.2021.111505
Rosado, M. M., Simkó, M., Mattsson, M. O., & Pioli, C.	2018	Immune-Modulating Perspectives for Low Frequency Electromagnetic Fields in Innate	https://doi.org/10.3389/fpubh.2018.00085
Alkayyali, T., Ochuba, O., Srivastava, K., Sandhu, J. K., Joseph, C., Ruo, S. W., Jain, A., Waqar, A., & Poudel, S.	2021	An Exploration of the Effects of Radiofrequency Radiation Emitted by Mobile Phones a	https://doi.org/10.7759/cureus.17329
Tang, L. S., Fan, Z. X., Tian, X. F., He, S. M., Ji, C., Chen, A. Q., & Ren, D. L.	2022	The influences and regulatory mechanisms of magnetic fields on circadian rhythms. Ch	https://doi.org/10.1080/07420528.2022.2105231