

List of Publications

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Sorted by year within each section – most recent work first.

Section	Entries
Original Papers and Reviews	423
Book Chapters	126
Monographs	21
Proceedings	140
Reports	23
Total	733

733 entries · 1989–2026 · as of October 2026

Original Papers and Reviews

423 entries · 2026–1991

2026

- 1 Bandiera, D., Garrandes, F., Kowalski, J., Adami, P. E., Racinais, S., Matzarakis, A., Pitsiladis, Y. P., Tessitore, A., Bermon, S., 2026: **What do thermal indices lack to help predict heat-related risk in elite Athletics?** British Journal of Sports Medicine, doi: 10.1136/bjsports-2025-110822.
- 2 Zhaowan Fu, Z., Matzarakis, A., Li, Y., 2026: **Declining thermal walkability in the Arabian Peninsula: a thermal-climate analysis with walking implications.** Sustainable Cities and Society, 140, 107243, 1-14, <https://doi.org/10.1016/j.scs.2026.107243>.
- 3 Sander, L., Jung, C., Matzarakis, A., Schindler, D., 2026: **Global assessment of availability, reliability, and spatiotemporal variability in ground-based solar radiation measurements.** Solar Energy, 309, 114458, 1-30. <https://doi.org/10.1016/j.solener.2026.114458>.
- 4 Babaee, F., Heidari, S., Matzarakis, A., 2026: **A data-driven comparison of thermal comfort in underground and aboveground residential spaces in a hot and semi-humid climate.** Energy and Buildings, 358, 117242, 1-19, <https://doi.org/10.1016/j.enbuild.2026.117242>.
- 5 Matzarakis, A., 2026: **Responding to Heat: Why We Are Not Powerless.** Atmosphere, 17, 267, 1-4, <https://doi.org/10.3390/atmos17030267>.
- 6 Wu, Y.-C., Matzarakis, A., Lin, T.-P., 2026: **Simplified physiological equivalent temperature (PET) estimation formula for the climate of Taiwan.** Urban Climate, 66, 102841, 1-8, <https://doi.org/10.1016/j.uclim.2026.102841>.
- 7 Sari, E.N.; Nouri, A.S.; Ekşi, M.; Matzarakis, A., 2026: **Assessing Human Thermal Perception and Spatial Activity Typologies Within Historical Urban Squares Under Extreme Heat Events.** Atmosphere, 17, 277, 1-25. <https://doi.org/10.3390/atmos17030277>.
- 8 Matzarakis, A., Badiru, A., Saganelidze, K., 2026: **Health Climatology for Destinations in Georgia – The Case of Mravaldzali.** International Journal of Sustainability and Risk Control 2, No 1 (4), 1-10. DOI: <https://doi.org/10.64599/YJNH8881>.
- 9 Lau, K., Lam, C. K. C., Krüger, E., Santos Nouri, A., Peng, Z., Santucci, D., Matzarakis, A., 2026: **From street level to science: advancing methods for climate walks to improve human thermal comfort.** International Journal of Biometeorology 70, 112, 1-8. <https://doi.org/10.1007/s00484-026-03167-8>.
- 10 Matzarakis, A., 2026: **Heatwaves End—Heat Exposure Does Not.** Atmosphere, 17(4), 420, 1-3. <https://doi.org/10.3390/atmos17040420>.
- 11 Matzarakis, A., Baumüller, J., 2026: **Stadtklima, Bioklima des Menschen und Klimaanpassung – einige Irrtümer und Fakten.** Gefahrstoffe 86, 95-104. doi.org/10.37544/0949-8036-2026-05-06-91.
- 12 Matallah, M. E., Matzarakis, A., Sharifi, A., He, B.-J., Liu, Z., Nikolopoulou, M., Thorsson, S., Lindberg, F., Ahriz, A., Attia, S., 2026: **An expert-based review of Mean Radiant Temperature across ten research domains at urban and building scales.** Human Settlements and Sustainability, 2, 108-122. <https://doi.org/10.1016/j.hssust.2026.04.003>.
- 13 Matzarakis, A., 2026: **Heat, UV Radiation, and Other Related Atmospheric Stressors: Exposure Pathways, Health Effects, and Adaptation Needs.** Meteorology, 5(3), 19, 1-4, <https://doi.org/10.3390/meteorology5030019>.
- 14 Mathé, P., Graw, K., Matzarakis, A., Maros, M. E., Tobys, D., Kohlmorgen, B., et al., 2026: **Impact of seasons and heat waves on the incidence of Staphylococcus aureus and Escherichia coli bacteremia – A prospective multicenter study using biometeorological data.** PLoS One, 21(7), e0352186 <https://doi.org/10.1371/journal.pone.0352186>.
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- 17 Brugger, V., Hoeppe, A., Dhami, R., Kaiser, A., Araujo-Soares, V., Schneider, S., Matzarakis, A., Sniehotta, F. F., 2026: **Conditional protective behaviour intentions in response to heat stress and UV radiation: Evidence from a representative behavioural experiment.** *Environment International* 215, 110423, 1-8, <https://doi.org/10.1016/j.envint.2026.110423>.
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- 26 Matzarakis, A., 2026: **A Day Designed Against the Heat: A Human Biometeorological Perspective on Daily Adaptation.** *Meteorology*, 5(4), 39, 1-12. <https://doi.org/10.3390/meteorology5040039>

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- 29 Feigel, G., Plein, M., Zeeman, M., Metzger, S., Matzarakis, A., Schindler, D., Christen, A., 2025: **High spatio-temporal and continuous monitoring of outdoor thermal comfort in urban areas: A generic and modular sensor network and outreach platform.** *Sustainable Cities and Society*, 119, 105991, 1-23, <https://doi.org/10.1016/j.scs.2024.105991>.
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<https://doi.org/10.1007/s00484-025-02890-y>.
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 - 34 Writzl, L., Wollmann, C. A., Costa, I. T., Iensse, A. C., da Silva, A. N., Baumhardt, O. de F., Rigão da Silva, R., Oliveira da Costa, T., Assis Gobo, J. P., Shooshtarian, S., Matzarakis, A., 2025: **Mobile measurements with bicycles: A systematic review applied to the thermal environment of urban microclimates..** RAEGA - O Espaço Geográfico Em Análise, 61(1), 192–217. <https://doi.org/10.5380/raega.v61i1.96807>.
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