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Biagioli, F., Coleine, C., Piano, E., Nicolosi, G., Poli, A., Prigione, V., Zanellati, A., Varese, C., Isaia, M., Selbmann, L.

Microbial diversity and proxy species for human impact in Italian karst caves

(2023) *Scientific Reports*, 13 (1), art. no. 689, .

DOI: 10.1038/s41598-022-26511-5

Mammola, S., Pavlek, M., Huber, B.A., Isaia, M., Ballarin, F., Tolve, M., Čupić, I., Hesselberg, T., Lunghi, E., Mouron, S., Graco-Roza, C., Cardoso, P.

A trait database and updated checklist for European subterranean spiders

(2022) *Scientific Data*, 9 (1), art. no. 236, .

DOI: 10.1038/s41597-022-01316-3

Mammola, S., Malumbres-Olarte, J., Arabesky, V., Barrales-Alcalá, D.A., Barrion-Dupo, A.L., Benamú, M.A., Bird, T.L., Bogomolova, M., Cardoso, P., Chatzaki, M., Cheng, R.-C., Chu, T.-A., Classen-Rodríguez, L.M., Čupić, I., Dhiya'ulhaq, N.U., Picard, A.-P.D., El-Hennawy, H.K., Elverici, M., Fukushima, C.S., Ganem, Z., Gavish-Regev, E., Gonnye, N.T., Hacala, A., Haddad, C.R., Hesselberg, T., Ho, T.A.T., Into, T., Isaia, M., Jayaraman, D., Karuaera, N., Khalap, R., Khalap, K., Kim, D., Korhonen, T., Kralj-Fišer, S., Land, H., Lin, S.-W., Loboda, S., Lowe, E., Lubin, Y., Martínez, A., Mbo, Z., Miličić, M., Kioko, G.M., Nanni, V., Norma-Rashid, Y., Nwankwo, D., Painting, C.J., Pang, A., Pantini, P., Pavlek, M., Pearce, R., Petcharad, B., Pétilion, J., Raberahona, O.C., Saarinen, J.A., Segura-Hernández, L., Sentenská, L., Uhl, G., Walker, L., Warui, C.M., Wiśniewski, K., Zamani, A., Scott, C., Chuang, A.

An expert-curated global database of online newspaper articles on spiders and spider bites

(2022) *Scientific Data*, 9 (1), art. no. 109, .

DOI: 10.1038/s41597-022-01197-6

Milano, F., Cardoso, P., Mammola, S., Smith, H., Isaia, M.

Trends in habitat suitability and conservation status of aquatic spiders in Europe

(2022) *Biological Conservation*, 275, art. no. 109767, .

DOI: 10.1016/j.biocon.2022.109767

Mammola, S., Malumbres-Olarte, J., Arabesky, V., Barrales-Alcalá, D.A., Barrion-Dupo, A.L., Benamú, M.A., Bird, T.L., Bogomolova, M., Cardoso, P., Chatzaki, M., Cheng, R.-C., Chu, T.-A., Classen-Rodríguez, L.M., Čupić, I., Dhiya'ulhaq, N.U., Drapeau Picard, A.-P., El-Hennawy, H.K., Elverici, M., Fukushima, C.S., Ganem, Z., Gavish-Regev, E., Gonnye, N.T., Hacala, A., Haddad, C.R., Hesselberg, T., Tian Ho, T.A., Into, T., Isaia, M., Jayaraman, D., Karuaera, N., Khalap, R., Khalap, K., Kim, D., Korhonen, T., Kralj-Fišer, S., Land, H., Lin, S.-W., Loboda, S., Lowe, E., Lubin, Y., Martínez, A., Mbo, Z., Miličić, M., Kioko, G.M., Nanni, V., Norma-Rashid, Y., Nwankwo, D., Painting, C.J., Pang, A., Pantini, P., Pavlek, M., Pearce, R., Petcharad, B., Pétilion, J., Raberahona, O.C., Russo, P., Saarinen, J.A., Segura-Hernández, L., Sentenská, L., Uhl, G., Walker, L., Warui, C.M., Wiśniewski, K., Zamani, A., Chuang, A., Scott, C.

The global spread of misinformation on spiders

(2022) *Current Biology*, 32 (16), pp. R871-R873.

DOI: 10.1016/j.cub.2022.07.026

Mammola, S., Meierhofer, M.B., Borges, P.A.V., Colado, R., Culver, D.C., Deharveng, L., Delić, T., Di Lorenzo, T., Dražina, T., Ferreira, R.L., Fiasca, B., Fišer, C., Galassi, D.M.P., Garzoli, L., Gerovasileiou, V., Griebler, C., Halse, S., Howarth, F.G., Isaia, M., Johnson, J.S., Komerički, A., Martínez, A., Milano, F., Moldovan, O.T., Nanni, V., Nicolosi, G., Niemiller, M.L., Pallarés, S., Pavlek, M., Piano, E., Pipan, T., Sanchez-Fernandez, D., Santangeli, A., Schmidt, S.I., Wynne, J.J., Zagmajster, M., Zakšek, V., Cardoso, P.

Towards evidence-based conservation of subterranean ecosystems

(2022) *Biological Reviews*, 97 (4), pp. 1476-1510.

DOI: 10.1111/brv.12851

Isaia, M., Arnedo, M.A., Mammola, S.

A multi-layered approach uncovers overlooked taxonomic and physiological diversity in Alpine subterranean spiders (Araneae: Linyphiidae: Troglodyphantes)

(2022) *Invertebrate Systematics*, 36 (4), pp. 354-371.

DOI: 10.1071/IS21054

Nicolosi, G., Galdenzi, S., Messina, M.A., Miller, A.Z., Petralia, S., Sarbu, S.M., Isaia, M.

Sulfidic Habitats in the Gypsum Karst System of Monte Conca (Italy) Host a Chemoautotrophically Supported Invertebrate Community

(2022) *International Journal of Environmental Research and Public Health*, 19 (5), art. no. 2671, .

DOI: 10.3390/ijerph19052671

Piano, E., Nicolosi, G., Mammola, S., Balestra, V., Baroni, B., Bellopede, R., Cumino, E., Muzzolini, N., Piquet, A., Isaia, M.

A literature-based database of the natural heritage, the ecological status and tourism-related impacts in show caves worldwide

(2022) *Nature Conservation*, 50, pp. 159-174.

DOI: 10.3897/natureconservation.50.80505

Milano, F., Borio, L., Komposch, C., Mammola, S., Pantini, P., Pavlek, M., Isaia, M.

Species conservation profiles of the endemic spiders Troglodyphantes (Araneae, Linyphiidae) from the Alps and the north-western Dinarides

(2022) *Biodiversity Data Journal*, 10, art. no. e87261, .

DOI: 10.3897/BDJ.10.e87261

Piano, E., Nicolosi, G., Isaia, M.

Modulating lighting regime favours a sustainable use of show caves: A case study in NW-Italy

(2021) *Journal for Nature Conservation*, 64, art. no. 126075, .

DOI: 10.1016/j.jnc.2021.126075

Nervo, B., Roggero, A., Isaia, M., Chamberlain, D., Rolando, A., Palestini, C.

Integrating thermal tolerance, water balance and morphology: An experimental study on dung beetles

(2021) *Journal of Thermal Biology*, 101, art. no. 103093, .

DOI: 10.1016/j.jtherbio.2021.103093

Kuhn-Nentwig, L., Lischer, H.E.L., Pekár, S., Langenegger, N., Albo, M.J., Isaia, M., Nentwig, W.

Linear Peptides—A Combinatorial Innovation in the Venom of Some Modern Spiders

(2021) *Frontiers in Molecular Biosciences*, 8, art. no. 705141, .

DOI: 10.3389/fmolb.2021.705141

Mammola, S., Souza, M.F.V.R., Isaia, M., Ferreira, R.L.

Global distribution of microwhip scorpions (Arachnida: Palpigradi)

(2021) *Journal of Biogeography*, 48 (6), pp. 1518-1529.

DOI: 10.1111/jbi.14094

Milano, F., Blick, T., Cardoso, P., Chatzaki, M., Fukushima, C.S., Gajdoš, P., Gibbons, A.T., Henriques, S., Macías-Hernández, N., Mammola, S., Nentwig, W., Nolan, M., Pétilion, J., Polchaninova, N., Řezáč, M., Sandström, J., Smith, H., Wiśniewski, K., Isaia, M.

Spider conservation in Europe: a review

(2021) *Biological Conservation*, 256, art. no. 109020, .

DOI: 10.1016/j.biocon.2021.109020

Pekár, S., Wolff, J.O., Černecká, L., Birkhofer, K., Mammola, S., Lowe, E.C., Fukushima, C.S., Herberstein, M.E., Kučera, A., Buzatto, B.A., Djoudi, E.A., Domenech, M., Enciso, A.V., Pinanez Espejo, Y.M.G., Febles, S., Garcia, L.F., Goncalves-Souza, T., Isaia, M., Lafage, D., Líznavá, E., Macías-Hernández, N., Magalhaes, I., Malumbres-Olarte, J., Michálek, O., Michalik, P., Michalko, R., Milano, F., Munevar, A., Nentwig, W., Nicolosi, G., Painting, C.J., Petillon, J., Piano, E., Privet, K., Ramirez, M.J., Ramos, C., Řezáč, M., Ridel, A., Růžička, V., Santos, I., Sentenská, L., Walker, L., Wierucka, K., Zurita, G.A., Cardoso, P.

The World Spider Trait database: a centralized global open repository for curated data on spider traits

(2021) *Database*, 2021, art. no. baab064, .

DOI: 10.1093/database/baab064

Nicolosi, G., Mammola, S., Costanzo, S., Sabella, G., Cirrincione, R., Signorello, G., Isaia, M.

Microhabitat selection of a sicilian subterranean woodlouse and its implications for cave management

(2021) *International Journal of Speleology*, 50 (1), pp. 53-63.

DOI: 10.5038/1827-806X.50.1.2370

Mammola, S., Nanni, V., Pantini, P., Isaia, M.

Media framing of spiders may exacerbate arachnophobic sentiments

(2020) *People and Nature*, 2 (4), pp. 1145-1157.

DOI: 10.1002/pan3.10143

Mammola, S., Chiappetta, N., Giachino, P.M., Antić, D.Ž., Zapparoli, M., Isaia, M.

Exploring the homogeneity of terrestrial subterranean communities at a local spatial scale

(2020) *Ecological Entomology*, 45 (5), pp. 1053-1062.

DOI: 10.1111/een.12883

Lowe, E.C., Wolff, J.O., Aceves-Aparicio, A., Birkhofer, K., Branco, V.V., Cardoso, P., Chichorro, F., Fukushima, C.S., Gonçalves-Souza, T., Haddad, C.R., Isaia, M., Krehenwinkel, H., Audisio, T.L., Macías-Hernández, N., Malumbres-Olarte, J., Mammola, S., McLean, D.J., Michalko, R., Nentwig, W., Pekár, S., Pétilion, J., Privet, K., Scott, C., Uhl, G., Urbano-Tenorio, F., Wong, B.H., Herberstein, M.E.

Towards establishment of a centralized spider traits database

(2020) *Journal of Arachnology*, 48 (2), pp. 103-109.

DOI: 10.1636/0161-8202-48.2.103

Piano, E., Bona, F., Isaia, M.

Urbanization drivers differentially affect ground arthropod assemblages in the city of Turin (NW-Italy)

(2020) *Urban Ecosystems*, 23 (3), pp. 617-629.

DOI: 10.1007/s11252-020-00937-z

Mammola, S., Arnedo, M.A., Fišer, C., Cardoso, P., Dejanaz, A.J., Isaia, M.

Environmental filtering and convergent evolution determine the ecological specialization of subterranean spiders

(2020) *Functional Ecology*, 34 (5), pp. 1064-1077.

DOI: 10.1111/1365-2435.13527

Piano, E., Giuliano, D., Isaia, M.

Islands in cities: Urbanization and fragmentation drive taxonomic and functional variation in ground arthropods

(2020) *Basic and Applied Ecology*, 43, pp. 86-98.

DOI: 10.1016/j.baae.2020.02.001

Mammola, S., Cardoso, P., Angyal, D., Balázs, G., Blick, T., Brustel, H., Carter, J., Čurčić, S., Danflous, S., Dányi, L., Déjean, S., Deltchev, C., Elverici, M., Fernández, J., Gasparo, F., Komnenov, M., Komposch, C., Kováč, L., Kunt, K.B., Mock, A., Moldovan, O.T., Naumova, M., Pavlek, M., Prieto, C.E., Ribera, C., Rozwałka, R., Růžička, V., Vargovitsh, R.S., Zaenker, S., Isaia, M.

Local-versus broad-scale environmental drivers of continental β -diversity patterns in subterranean spider communities across Europe

(2019) *Proceedings of the Royal Society B: Biological Sciences*, 286 (1914), art. no. 20191579, .

DOI: 10.1098/rspb.2019.1579

Mammola, S., Milano, F., Isaia, M.

Taxonomy, ecology and conservation of the cave-dwelling spider *Histopona palaeolithica*, with the description of *H. petrovi* sp. nov. (Araneae: Agelenidae)

(2019) *Journal of Arachnology*, 47 (3), pp. 317-325.

DOI: 10.1636/0161-8202-47.3.317

Milano, F., Mammola, S., Rollard, C., Leccia, M.-F., Isaia, M.

An inventory of the spider species of Barcelonnette (France), with taxonomic notes on *Piniphantes agnellus* n. comb. (Araneae, Linyphiidae)

(2019) *Zoosystema*, 41 (1), pp. 29-58.

DOI: 10.5252/zoosystema2019v41a4

Mammola, S., Piano, E., Malard, F., Vernon, P., Isaia, M.

Extending Janzen's hypothesis to temperate regions: A test using subterranean ecosystems

(2019) *Functional Ecology*, 33 (9), pp. 1638-1650.

DOI: 10.1111/1365-2435.13382

Mammola, S., Cardoso, P., Culver, D.C., Deharveng, L., Ferreira, R.L., Fišer, C., Galassi, D.M.P., Griebler, C., Halse, S., Humphreys, W.F., Isaia, M., Malard, F., Martinez, A., Moldovan, O.T., Niemiller, M.L., Pavlek, M., Reboleira, A.S.P.S., Souza-Silva, M., Teeling, E.C., Wynne, J.J., Zigmajster, M.

Scientists' warning on the conservation of subterranean ecosystems

(2019) *BioScience*, 69 (8), art. no. biz064, pp. 641-650.

DOI: 10.1093/biosci/biz064

Mammola, S., Schönhofer, A.L., Isaia, M.

Tracking the ice: Subterranean harvestmen distribution matches ancient glacier margins
(2019) *Journal of Zoological Systematics and Evolutionary Research*, 57 (3), pp. 548-554.

DOI: 10.1111/jzs.12264

Mammola, S., Piano, E., Cardoso, P., Vernon, P., Domínguez-Villar, D., Culver, D.C., Pipan, T., Isaia, M.

Climate change going deep: The effects of global climatic alterations on cave ecosystems
(2019) *Anthropocene Review*, 6 (1-2), pp. 98-116.

DOI: 10.1177/2053019619851594

Decae, A., Mammola, S., Rizzo, P., Isaia, M.

Systematics, ecology and distribution of the mygalomorph spider genus *Cteniza* Latreille, 1829 (Araneae, Mygalomorphae, Ctenizidae)

(2019) *Zootaxa*, 4550 (4), pp. 499-524.

DOI: 10.11646/zootaxa.4550.4.2

Pantini, P., Isaia, M.

Araneae. it: The online catalog of Italian spiders, with addenda on other arachnid orders occurring in Italy: (Arachnida: Araneae, opiliones, palpigradi, pseudoscorpionida, scorpiones, solifugae)

(2019) *Fragmenta Entomologica*, 51 (2), art. no. 374, .

DOI: 10.4081/FE.2019.374

Mammola, S., Cardoso, P., Angyal, D., Balázs, G., Blick, T., Brustel, H., Carter, J., Ćurčić, S., Danflous, S., Dányi, L., Déjean, S., Deltshv, C., Elverici, M., Fernández, J., Gasparo, F., Komnenov, M., Komposch, C., Kováč, L., Kunt, K.B., Mock, A., Moldovan, O., Naumova, M., Pavlek, M., Prieto, C.E., Ribera, C., Rozwałka, R., Růžička, V., Vargovitsh, R.S., Zaenker, S., Isaia, M.

Continental data on cave-dwelling spider communities across Europe (Arachnida: Araneae)

(2019) *Biodiversity Data Journal*, 7, pp. 1-15.

DOI: 10.3897/BDJ.7.E38492

Mammola, S., Milano, F., Vignal, M., Andrieu, J., Isaia, M.

Associations between habitat quality, body size and reproductive fitness in the alpine endemic spider *Vesubia jugorum*

(2019) *Global Ecology and Biogeography*, 28 (9), pp. 1325-1335.

DOI: 10.1111/geb.12935

Mammola, S., Isaia, M., Demonte, D., Triolo, P., Nervo, M.

Artificial lighting triggers the presence of urban spiders and their webs on historical buildings

(2018) *Landscape and Urban Planning*, 180, pp. 187-194.

DOI: 10.1016/j.landurbplan.2018.09.003

Isaia, M., Kronestedt, T., Ballarin, F., Chiarle, A.

On the morphological separation of two sibling species: *Pardosa proxima* (P. *vlijmi* syn. Nov.) and *P. tenuipes* (Araneae: Lycosidae) [Zusammenfassung. Zur morphologischen Unterscheidung von zwei Schwesterarten: *Pardosa proxima* (P. *vlijmi* syn. nov.) und *P. tenuipes* (Araneae: Lycosidae).]

(2018) *Arachnologische Mitteilungen*, 56 (1), pp. 6-16.

DOI: 10.30963/aramit5602

Mammola, S., Cardoso, P., Ribera, C., Pavlek, M., Isaia, M.

A synthesis on cave-dwelling spiders in Europe

(2018) *Journal of Zoological Systematics and Evolutionary Research*, 56 (3), pp. 301-316.

DOI: 10.1111/jzs.12201

Milano, F., Pantini, P., Cavalcante, R., Isaia, M.

Notes on the Italian distribution of *Dolomedes plantarius* (Clerck, 1757), species assessed for the IUCN red list (Araneae: Pisauridae)

(2018) *Fragmenta Entomologica*, 50 (1), pp. 69-74.

Mammola, S., Isaia, M.

Day-night and seasonal variations of a subterranean invertebrate community in the twilight zone

(2018) *Subterranean Biology*, 27, pp. 31-51.

DOI: 10.3897/SUBTBIOL.27.28909

Mammola, S., Arnedo, M.A., Pantini, P., Piano, E., Chiappetta, N., Isaia, M.

Ecological speciation in darkness? Spatial niche partitioning in sibling subterranean spiders (Araneae: Linyphiidae: Troglolyphantes)

(2018) *Invertebrate Systematics*, 32 (5), pp. 1069-1082.

DOI: 10.1071/IS17090

Mammola, S., Goodacre, S.L., Isaia, M.

Climate change may drive cave spiders to extinction

(2018) *Ecography*, 41 (1), pp. 233-243.

DOI: 10.1111/ecog.02902

Tampucci, D., Azzoni, R.S., Boracchi, P., Citterio, C., Compostella, C., Diolaiuti, G., Isaia, M., Marano, G., Smiraglia, C., Gobbi, M., Caccianiga, M.

Debris-covered glaciers as habitat for plant and arthropod species: Environmental framework and colonization patterns

(2017) *Ecological Complexity*, 32, pp. 42-52.

DOI: 10.1016/j.ecocom.2017.09.004

Gobbi, M., Ballarin, F., Brambilla, M., Compostella, C., Isaia, M., Losapio, G., Maffioletti, C., Seppi, R., Tampucci, D., Caccianiga, M.

Life in harsh environments: carabid and spider trait types and functional diversity on a debris-covered glacier and along its foreland

(2017) *Ecological Entomology*, 42 (6), pp. 838-848.

DOI: 10.1111/een.12456

Mammola, S., Isaia, M.

Rapid poleward distributional shifts in the European cave-dwelling *Meta* spiders under the influence of competition dynamics

(2017) *Journal of Biogeography*, 44 (12), pp. 2789-2797.

DOI: 10.1111/jbi.13087

Lichtenberg, E.M., Kennedy, C.M., Kremen, C., Batáry, P., Berendse, F., Bommarco, R., Bosque-Pérez, N.A., Carvalheiro, L.G., Snyder, W.E., Williams, N.M., Winfree, R., Klatt, B.K., Åström, S., Benjamin, F., Brittain, C., Chaplin-Kramer, R., Clough, Y., Danforth, B., Diekötter, T., Eigenbrode, S.D., Ekroos, J., Elle, E., Freitas, B.M., Fukuda, Y., Gaines-Day, H.R., Grab, H., Gratton, C., Holzschuh, A., Isaacs, R., Isaia, M., Jha, S., Jonason, D., Jones, V.P., Klein, A.-M., Krauss, J., Letourneau, D.K., Macfadyen, S., Mallinger, R.E., Martin, E.A., Martinez, E., Memmott, J., Morandin, L., Neame, L., Otieno, M., Park, M.G., Pfiffner, L., Pockock, M.J.O., Ponce, C., Potts, S.G., Poveda, K., Ramos, M., Rosenheim, J.A., Rundlöf, M., Sardiñas, H., Saunders, M.E., Schon, N.L., Sciligo, A.R., Sidhu, C.S., Steffan-Dewenter, I., Tscharrntke, T., Veselý, M., Weisser, W.W., Wilson, J.K., Crowder, D.W.

A global synthesis of the effects of diversified farming systems on arthropod diversity within fields and across agricultural landscapes

(2017) *Global Change Biology*, 23 (11), pp. 4946-4957.

DOI: 10.1111/gcb.13714

Isaia, M., Mammola, S., Mazzuca, P., Arnedo, M.A., Pantini, P.

Advances in the systematics of the spider genus *Troglohyphantes* (Araneae, Linyphiidae)

(2017) *Systematics and Biodiversity*, 15 (4), pp. 307-326.

DOI: 10.1080/14772000.2016.1254304

Di Piazza, S., Isaia, M., Vizzini, A., Badino, G., Voyron, S., Zotti, M.

First mycological assessment in hydrothermal caves of Monte Kronio (Sicily, southern Italy)

(2017) *Webbia*, 72 (2), pp. 277-285.

DOI: 10.1080/00837792.2017.1347368

Piano, E., De Wolf, K., Bona, F., Bonte, D., Bowler, D.E., Isaia, M., Lens, L., Merckx, T., Mertens, D., van Kerckvoorde, M., De Meester, L., Hendrickx, F.

Urbanization drives community shifts towards thermophilic and dispersive species at local and landscape scales

(2017) *Global Change Biology*, 23 (7), pp. 2554-2564.

DOI: 10.1111/gcb.13606

Mammola, S., Isaia, M.

Spiders in caves

(2017) *Proceedings of the Royal Society B: Biological Sciences*, 284 (1853), art. no. 20170193, .

DOI: 10.1098/rspb.2017.0193

Piano, E., Isaia, M., Falasco, E., La Morgia, V., Soldato, G., Bona, F.

Local versus landscape spatial influence on biodiversity: a case study across five European industrialized areas

(2017) *Environmental Monitoring and Assessment*, 189 (3), art. no. 126, .

DOI: 10.1007/s10661-017-5824-7

Mammola, S., Hormiga, G., Isaia, M.

Species conservation profile of the stenoendemic cave spider *Pimoa delphinica* (Araneae, Pimoidae) from the Varaita valley (NW-Italy)

(2017) *Biodiversity Data Journal*, 5 (1), art. no. e11509, .

DOI: 10.3897/BDJ.5.e11509

Mammola, S., Piano, E., Giachino, P.M., Isaia, M.

An ecological survey of the invertebrate community at the epigeal/hypogean interface

(2017) *Subterranean Biology*, 24, pp. 27-52.

DOI: 10.3897/subtbiol.24.21585

Mammola, S., Michalik, P., Hebets, E.A., Isaia, M.

Record breaking achievements by spiders and the scientists who study them

(2017) *PeerJ*, 2017 (10), art. no. e3972, .

DOI: 10.7717/peerj.3972

Mammola, S., di Piazza, S., Zotti, M., Badino, G., Isaia, M.

Human-induced alterations of the mycobiota in an alpine show cave (Italy, Sw-alps) [Spremembe mikrobiote, ki jih v turistični alpski jami (Italija, Sz alpe) Povzroči človek]

(2017) *Acta Carsologica*, 46 (1), pp. 111-123.

DOI: 10.3986/ac.v46i1.2531

Mammola, S., Giachino, P.M., Piano, E., Jones, A., Barberis, M., Badino, G., Isaia, M.

Ecology and sampling techniques of an understudied subterranean habitat: the Milieu Souterrain Superficiel (MSS)

(2016) *Science of Nature*, 103 (11-12), art. no. 88, .

DOI: 10.1007/S00114-016-1413-9

Mammola, S., Milano, F., Cardoso, P., Isaia, M.

Species conservation profile of the alpine stenoendemic spider *Vesubia jugorum* (Araneae, Lycosidae) from the Maritime Alps

(2016) *Biodiversity Data Journal*, 4 (1), art. no. e10527, .

DOI: 10.3897/BDJ.4.e10527

Mammola, S., Piano, E., Isaia, M.

Step back! Niche dynamics in cave-dwelling predators

(2016) *Acta Oecologica*, 75, pp. 35-42.

DOI: 10.1016/j.actao.2016.06.011

Lüscher, G., Ammari, Y., Andriets, A., Angelova, S., Arndorfer, M., Bailey, D., Balázs, K., Bogers, M., Bunce, R.G., Choisis, J.-P., Dennis, P., Díaz, M., Dyman, T., Eiter, S., Fjellstad, W., Fraser, M., Friedel, J.K., Garchi, S., Geijzendorffer, I.R., Gomiero, T., González-Bornay, G., Guteva, Y., Herzog, F., Jeanneret, P., Jongman, R.H., Kainz, M., Kwikiriza, N., López Díaz, M.L., Moreno, G., Nicholas-Davies, P., Nkwiine, C., Opio, J., Paoletti, M.G., Podmaniczky, L., Pointereau, P., Pulido, F., Sarthou, J.-P., Schneider, M.K., Sghaier, T., Siebrecht, N., Stoyanova, S., Wolfrum, S., Yashchenko, S., Albrecht, H., Báldi, A., Belényesi, M., Benhadi-Marin, J., Blick, T., Buholzer, S., Centeri, C., Choisis, N., Cuendet, G., De Lange, H.J., Déjean, S., Deltshv, C., Díaz Cosín, D.J., Dramstad, W., Elek, Z., Engan, G., Evtushenko, K., Falusi, E., Finch, O.-D., Frank, T., Gavinelli, F., Genoud, D., Gillingham, P.K., Grónás, V., Gutiérrez, M., Häusler, W., Heer, X., Hübner, T., Isaia, M., Jerkovich, G., Jesus, J.B., Kakudidi, E., Kelemen, E., Koncz, N., Kovacs, E., Kovács-Hostyánszki, A., Last, L., Ljubomirov, T., Mandery, K., Mayr, J., Mjelde, A., Muster, C., Nascimbene, J., Neumayer, J., Ødegaard, F., Ortiz Sánchez, F.J., Oschatz, M.-L., Papaja-Hülsbergen, S., Paschetta, M., Pavett, M., Pelosi, C., Penksza, K., Pommeresche, R., Popov, V., Radchenko, V., Richner, N., Riedel, S., Scullion, J., Sommaggio, D., Szalkovszki, O., Szerencsits, E., Trigo, D., Vale, J., van Kats, R., Vasilev, A., Whittington, A.E., Wilkes-Allemand, J., Zanetti, T.

Farmland biodiversity and agricultural management on 237 farms in 13 European and two African regions

(2016) *Ecology*, 97 (6), p. 1625.

DOI: 10.1890/15-1985.1

Lepore, E., Isaia, M., Mammola, S., Pugno, N.

The effect of ageing on the mechanical properties of the silk of the bridge spider *Larinioides cornutus* (Clerck, 1757)

(2016) *Scientific Reports*, 6, art. no. 24699, .

DOI: 10.1038/srep24699

Paschetta, M., Christille, C., Marguerettaz, F., Isaia, M.

Regional catalogue of the spiders (Arachnida, Araneae) of Aosta Valley (NW Italy)

(2016) *Zoosystema*, 38 (1), pp. 49-125.

DOI: 10.5252/z2016n1a3

Berto, S., De Laurentiis, E., Tota, T., Chiavazza, E., Daniele, P.G., Minella, M., Isaia, M., Brigante, M., Vione, D.

Properties of the humic-like material arising from the photo-transformation of l-tyrosine

(2016) *Science of the Total Environment*, 545-546, pp. 434-444.

DOI: 10.1016/j.scitotenv.2015.12.047

Mammola, S., Hormiga, G., Arnedo, M.A., Isaia, M.

Unexpected diversity in the relictual European spiders of the genus *Pimoa* (Araneae:Pimoidae)

(2016) *Invertebrate Systematics*, 30 (6), pp. 566-587.

DOI: 10.1071/IS16017

Mammola, S., Cavalcante, R., Isaia, M.

Ecological preference of the diving bell spider *Argyroneta aquatica* in a resurgence of the Po plain (Northern Italy) (Araneae: Cybaeidae)

(2016) *Fragmenta Entomologica*, 48 (1), pp. 9-16.

DOI: 10.4081/fe.2016.158

Mammola, S., Isaia, M.

The ecological niche of a specialized subterranean spider

(2016) *Invertebrate Biology*, 135 (1), pp. 20-30.

DOI: 10.1111/ivb.12113

Decae, A., Pantini, P., Isaia, M.

A new species-complex within the trapdoor spider genus *Nemesia* Audouin 1826 distributed in northern and central Italy, with descriptions of three new species (Araneae, Mygalomorphae, Nemesiidae)

(2015) *Zootaxa*, 4059 (3), pp. 525-540.

DOI: 10.11646/zootaxa.4059.3.5

Piano, E., Bona, F., Falasco, E., La Morgia, V., Badino, G., Isaia, M.

Environmental drivers of phototrophic biofilms in an Alpine show cave (SW-Italian Alps)

(2015) *Science of the Total Environment*, 536, pp. 1007-1018.

DOI: 10.1016/j.scitotenv.2015.05.089

Isaia, M., Paschetta, M., Gobbi, M., Zapparoli, M., Chiarle, A., Vigna Taglianti, A.
Stand maturity affects positively ground-dwelling arthropods in a protected beech forest
(2015) *Annals of Forest Science*, 72 (4), pp. 415-424.

DOI: 10.1007/s13595-014-0441-x

Caprio, E., Nervo, B., Isaia, M., Allegro, G., Rolando, A.
Organic versus conventional systems in viticulture: Comparative effects on spiders and carabids in vineyards and adjacent forests

(2015) *Agricultural Systems*, 136, pp. 61-69.

DOI: 10.1016/j.agsy.2015.02.009

Lacasella, F., Gratton, C., De Felici, S., Isaia, M., Zapparoli, M., Marta, S., Sbordoni, V.
Asymmetrical responses of forest and “beyond edge” arthropod communities across a forest–grassland ecotone
(2015) *Biodiversity and Conservation*, 24 (3), pp. 447-465.

DOI: 10.1007/s10531-014-0825-0

Chiavazzo, E., Isaia, M., Mammola, S., Lepore, E., Ventola, L., Asinari, P., Pugno, N.M.
Cave spiders choose optimal environmental factors with respect to the generated entropy when laying their cocoon
(2015) *Scientific Reports*, 5, art. no. 7611, .

DOI: 10.1038/srep07611

La Morgia, V., Balbo, C., Memoli, S., Isaia, M.
Rodents in grassland habitats: Does livestock grazing matter? A comparison of two Alpine sites with different grazing histories

(2015) *Zoosystema*, 37 (4), pp. 571-580.

DOI: 10.5252/z2015n4a3

Villemant, C., Daugeron, C., Gargominy, O., Isaia, M., Deharveng, L., Judson, M.L.I.
The Mercantour/Alpi Marittime All Taxa Biodiversity Inventory (ATBI): Achievements and prospects
(2015) *Zoosystema*, 37 (4), pp. 667-679.

DOI: 10.5252/z2015n4a10

Mammola, S., Isaia, M., Arnedo, M.A.
Alpine endemic spiders shed light on the origin and evolution of subterranean species
(2015) *PeerJ*, 2015 (11), art. no. e1384, .

DOI: 10.7717/peerj.1384

Mammola, S., Piano, E., Giachino, P.M., Isaia, M.
Seasonal dynamics and micro-climatic preference of two alpine endemic hypogean beetles
(2015) *International Journal of Speleology*, 44 (3), pp. 239-249.

DOI: 10.5038/1827-806X.44.3.3

Isaia, M., Chiarle, A.

Taxonomic notes on *Cybaeus vignai* Brignoli, 1977 (Araneae, Cybaeidae) and *Dysdera cribrata* Simon, 1882 (Araneae, Dysderidae) from the Italian Maritime Alps

(2015) *Zoosystema*, 37 (1), pp. 45-56.

DOI: 10.5252/z2015n1a3

Isaia, M., Paschetta, M., Chiarle, A.

Annotated checklist of the spiders (Arachnida, Araneae) of the site of community importance and special area of conservation "Alpi Marittime" (NW Italy)

(2015) *Zoosystema*, 37 (1), pp. 57-114.

DOI: 10.5252/z2015n1a4

Falasco, E., Bona, F., Isaia, M., Piano, E., Wetzel, C.E., Hoffmann, L., Ector, L.

Nupela trogliphila sp. Nov., an aerophilous diatom (Bacillariophyta) from the Bossea cave (NW Italy), with notes on its ecology

(2015) *Fottea*, 15 (1), pp. 1-9.

DOI: 10.5507/fot.2015.001

Korenko, S., Isaia, M., Satrapová, J., Pekár, S.

Parasitoid genus-specific manipulation of orb-web host spiders (Araneae, Araneidae)

(2014) *Ecological Entomology*, 39 (1), pp. 30-38.

DOI: 10.1111/een.12067

Isaia, M., Siniscalco, C., Badino, G.

From rural to urban: Landscape changes in north-west Italy over two centuries

(2014) *Landscape History*, 35 (1), pp. 73-76.

DOI: 10.1080/01433768.2014.916914

Mammola, S., Isaia, M.

Niche differentiation in *Meta bourneti* and *M. menard* (Araneae, Tetragnathidae) with notes on the life history

(2014) *International Journal of Speleology*, 43 (3), pp. 343-353.

DOI: 10.5038/1827-806X.43.3.11

Giribet, G., McIntyre, E., Christian, E., Espinasa, L., Ferreira, R.L., Francke, O.F., Harvey, M.S., Isaia, M., Kováč, L., McCutchen, L., Souza, M.F.V.R., Zagamajster, M.

The first phylogenetic analysis of Palpigradi (Arachnida) - The most enigmatic arthropod order

(2014) *Invertebrate Systematics*, 28 (4), pp. 350-360.

DOI: 10.1071/IS13057

Falasco, E., Ector, L., Isaia, M., Wetzel, C.E., Hoffmann, L., Bona, F.

Diatom flora in subterranean ecosystems: A review

(2014) *International Journal of Speleology*, 43 (3), pp. 231-251.

DOI: 10.5038/1827-806X.43.3.1

Christian, E., Isaia, M., Paschetta, M., Bruckner, A.

Differentiation among cave populations of the *Eukoenenia spelaea* species-complex (Arachnida: Palpigradi) in the southwestern Alps

(2014) *Zootaxa*, 3794 (1), pp. 52-86.

DOI: 10.11646/zootaxa.3794.1.2

Negro, M., Rolando, A., Barni, E., Bocola, D., Filippa, G., Freppaz, M., Isaia, M., Siniscalco, C., Palestini, C.

Differential responses of ground dwelling arthropods to ski-piste restoration by hydroseeding

(2013) *Biodiversity and Conservation*, 22 (11), pp. 2607-2634.

DOI: 10.1007/s10531-013-0544-y

Berto, S., Isaia, M., Sur, B., De Laurentiis, E., Barsotti, F., Buscaino, R., Maurino, V., Minero, C., Vione, D.

UV-vis spectral modifications of water samples under irradiation: Lake vs. subterranean water

(2013) *Journal of Photochemistry and Photobiology A: Chemistry*, 251, pp. 85-93.

DOI: 10.1016/j.jphotochem.2012.10.019

Chiarle, A., Kronstedt, T., Isaia, M.

Courtship behavior in European species of the genus *Pardosa* (Araneae, Lycosidae)

(2013) *Journal of Arachnology*, 41 (2), pp. 108-125.

DOI: 10.1636/Hi12-09.1

Chiarle, A., Isaia, M.

Signal complexity and modular organization of the courtship behaviours of two sibling species of wolf spiders (Araneae: Lycosidae)

(2013) *Behavioural Processes*, 97, pp. 33-40.

DOI: 10.1016/j.beproc.2013.04.004

Leroy, B., Paschetta, M., Canard, A., Bakkenes, M., Isaia, M., Ysnel, F.

First assessment of effects of global change on threatened spiders: Potential impacts on *Dolomedes plantarius* (Clerck) and its conservation plans

(2013) *Biological Conservation*, 161, pp. 155-163.

DOI: 10.1016/j.biocon.2013.03.022

Bolzern, A., Pantini, P., Isaia, M.

Revision of the *Histopona italica* group (Araneae: Agelenidae), with the description of two new species

(2013) *Zootaxa*, 3640 (1), pp. 23-41.

DOI: 10.11646/zootaxa.3640.1.2

Paschetta, M., La Morgia, V., Masante, D., Negro, M., Rolando, A., Isaia, M.

Grazing history influences biodiversity: A case study on ground-dwelling arachnids (Arachnida: Araneae, Opiliones) in the Natural Park of Alpi Marittime (NW Italy)

(2013) *Journal of Insect Conservation*, 17 (2), pp. 339-356.

DOI: 10.1007/s10841-012-9515-y

Paschetta, M., Giachino, P., Isaia, M.

Taxonomic relatedness of spider and carabid assemblages in a wetland ecosystem

(2012) *Zoological Studies*, 51 (7), pp. 1175-1187.

Frick, H., Isaia, M.

Comparative description of the Mediterranean erigonine spider *Diplocephalus guidoi* n. sp. (Araneae, Linyphiidae)

(2012) *Zootaxa*, (3475), pp. 65-68.

DOI: 10.11646/zootaxa.3475.1.6

Lepore, E., Marchioro, A., Isaia, M., Buehler, M.J., Pugno, N.M.

Evidence of the most stretchable egg sac silk stalk, of the European spider of the year *Meta menardi*

(2012) *PLoS ONE*, 7 (2), art. no. e30500, .

DOI: 10.1371/journal.pone.0030500

Isaia, M., Decae, A.

Revalidation of *Nemesia meridionalis* costa, 1835 (Araneae, Mygalomorphae, Nemesiidae), and first description of the male

(2012) *Bulletin of the British Arachnological Society*, 15 (8), pp. 280-284.

DOI: 10.13156/arac.2012.15.1.280

Caprio, E., Chamberlain, D.E., Isaia, M., Rolando, A.

Landscape changes caused by high altitude ski-pistes affect bird species richness and distribution in the Alps

(2011) *Biological Conservation*, 144 (12), pp. 2958-2967.

DOI: 10.1016/j.biocon.2011.08.021

Zacharda, M., Isaia, M., Piva, E.

New troglobitic species of the genus *Troglocheles* (Acari: Prostigmata: Rhagidiidae) from caves in northern Italy and Austria, with a key to adult species of the genus

(2011) *Journal of Natural History*, 45 (11-12), pp. 641-666.

DOI: 10.1080/00222933.2010.535914

Gobbi, M., Isaia, M., de Bernardi, F.

Arthropod colonisation of a debris-covered glacier

(2011) *Holocene*, 21 (2), pp. 343-349.

DOI: 10.1177/0959683610374885

Isaia, M., Giachino, P.M., Sapino, E., Casale, A., Badino, G.

Conservation value of artificial subterranean systems: A case study in an abandoned mine in Italy

(2011) *Journal for Nature Conservation*, 19 (1), pp. 24-33.

DOI: 10.1016/j.jnc.2010.04.002

Isaia, M., Pantini, P.
New data on the spider genus *Troglohyphantes* (Araneae, Linyphiidae) in the Italian Alps, with the description of a new species and a new synonymy
(2010) *Zootaxa*, (2690), pp. 1-18.
DOI: 10.11646/zootaxa.2690.1.1

Negro, M., Isaia, M., Palestini, C., Schoenhofer, A., Rolando, A.
The impact of high-altitude ski pistes on ground-dwelling arthropods in the Alps
(2010) *Biodiversity and Conservation*, 19 (7), pp. 1853-1870.
DOI: 10.1007/s10531-010-9808-y

Chatterjee, S., Isaia, M., Venturino, E.
Effects of spiders' predational delays in intensive agroecosystems
(2009) *Nonlinear Analysis: Real World Applications*, 10 (5), pp. 3045-3058.
DOI: 10.1016/j.nonrwa.2008.10.006

Negro, M., Isaia, M., Palestini, C., Rolando, A.
The impact of forest ski-pistes on diversity of ground-dwelling arthropods and small mammals in the Alps
(2009) *Biodiversity and Conservation*, 18 (11), pp. 2799-2821.
DOI: 10.1007/s10531-009-9608-4

Chatterjee, S., Isaia, M., Venturino, E.
Spiders as biological controllers in the agroecosystem
(2009) *Journal of Theoretical Biology*, 258 (3), pp. 352-362.
DOI: 10.1016/j.jtbi.2008.11.029

Isaia, M., Osella, G., Pannunzio, G.
Hygropetric and litter-inhabiting spiders (Araneae) from the abruzzo apennines (Central Italy)
(2009) *Arachnologische Mitteilungen*, (37), pp. 15-26.
DOI: 10.5431/aramit3704

Isaia, M., Negro, M., Rolando, A.
Notes on the distribution of *Berlandina nubivaga* with the description of the male (Araneae, Gnaphosidae)
(2008) *Journal of Arachnology*, 36 (1), pp. 180-183.
DOI: 10.1636/H07-26SC.1

Venturino, E., Isaia, M., Bona, F., Chatterjee, S., Badino, G.
Biological controls of intensive agroecosystems: Wanderer spiders in the Langa Astigiana
(2008) *Ecological Complexity*, 5 (2), pp. 157-164.
DOI: 10.1016/j.ecocom.2007.10.003

Isaia, M., Pantini, P.
A new species of *Troglohyphantes* (Araneae, Linyphiidae) from the western Italian Alps

(2007) *Journal of Arachnology*, 35 (3), pp. 427-431.

DOI: 10.1636/H07-16.1

Venturino, E., Isaia, M., Bona, F., Ghersi, A., Badino, G.

A wanderer spider's model as biological vineyard controllers in the Langa Astigiana

(2007) *APLIMAT 2007*, 2007-January, pp. 333-340.

Bona, F., Badino, G., Isaia, M.

Designing a "tailor-made" ecological network using geographical information systems

(2006) *Ecological Research*, 21 (4), pp. 605-610.

DOI: 10.1007/s11284-006-0157-y

Venturino, E., Isaia, M., Bona, F., Issoglio, E., Triolo, V., Badino, G.

Modelling the spiders ballooning effect on the vineyard ecology

(2006) *Mathematical Modelling of Natural Phenomena*, 1 (1), pp. 133-155.

DOI: 10.1051/mmnp:2006008

Isaia, M., Bona, F., Badino, G.

Influence of landscape diversity and agricultural practices on spider assemblage in Italian vineyards of Langa Astigiana (Northwest Italy)

(2006) *Environmental Entomology*, 35 (2), pp. 297-307.

DOI: 10.1603/0046-225X-35.2.297