

Publication list Prof. Dr. Wolfgang Nentwig

Websites

Nentwig W, Blick T, Gloor D, Hänggi A, Kropf C (2011) araneae – Spiders of Europe. <http://www.araneae.unibe.ch>

(editor in chief, since 1998)

World Spider Catalog <http://wsc.nmbe.ch> (organizing board, since 2013)

Book publications

Nentwig W (ed) (2013) Spider ecophysiology. Springer, Heidelberg

Nentwig W, Bacher S, Brandl R (2011) Ökologie kompakt. 3rd edition, Spektrum, Heidelberg

Nentwig W (2011) (ed) Unheimliche Eroberer. Invasive Pflanzen und Tiere in Europa. Haupt, Bern.

Nentwig W (2010) Invasive Arten. UTB-Taschenbuch, Haupt, Bern

DAISIE (2009) Handbook of alien species in Europe. Springer, Dordrecht

Nentwig W, Bacher S, Brandl R (2007) Ökologie kompakt. Spektrum, Heidelberg (2nd edition 2009)

Pysek P, Cock M, Nentwig W, Ravn HP (eds) 2007 Ecology and management of *Heracleum mantegazzianum*. CABI, Wallingford

Nentwig W (ed) (2007) Biological invasions. Ecological Studies 193. Springer, Berlin

Nentwig W, Bacher S, Cock M, Dietz HJ, Gigon A, Wittenberg R (eds) (2005) Biological Invasions – From Ecology to Control. Neobiota 6, Berlin.

Nielsen C, Ravn HP, Nentwig W, Wade M (eds.) (2005) The Giant Hogweed best practice manual. Guidelines for the management and control of an invasive weed in Europe. Forest & Landscape Denmark, Hoersholm

Nentwig W (2005) Humanökologie. 2. Auflage, Springer, Heidelberg

Nentwig W, Bacher S, Beierkuhnlein C, Brandl R, Grabherr G (2004) Lehrbuch der Ökologie. Spektrum, Heidelberg

Nentwig W, Hänggi A, Kropf C, Blick T (2000) Spinnen Mitteleuropas /Central European spiders. An internet identification key. <http://www.araneae.unibe.ch>

Nentwig W (2000) Streifenförmige ökologische Ausgleichsflächen in der Kulturlandschaft: Ackerkrautstreifen, Buntbrache, Feldränder. vaö, Bern

Loeffel K, Nentwig W (1997) Ökologische Beurteilung des Anbaus von Chinaschilf (*Miscanthus sinensis*) anhand faunistischer Untersuchungen. Agrarökologie 26: 1-136.

Hänggi A, Stöckli E, Nentwig W (1995) Habitats of Central European spiders. CSCF, Neuchâtel

Nentwig W (1995) Humanökologie. Springer, Berlin

Nentwig W (1993) Spiders of Panama. Biogeography, investigation, phenology, check list, key and bibliography of a tropical spider fauna. Fauna and Flora Handbook No. 12, Sandhill Crane Press, Gainesville, USA

Heimer S, Nentwig W (1991) Spinnen Mitteleuropas. Ein Bestimmungsbuch. Parey, Hamburg

Nentwig W (ed.) (1987) Ecophysiology of spiders. Springer, Berlin

Book chapters

Nentwig W, Mebs D, Vila M (2016) Impact of non-native animals and plants on human health. In: Vila M, Hulme P, Ruiz G (eds) Impact of biological invasions on ecosystem services. Springer, Dordrecht

- Kuhn-Nentwig L, Schaller J, Schürch S, Nentwig W (2015) Venom of *Cupiennius salei* (Ctenidae). In: Gopalakrishnakone P, Corzo G, de Lima ME, Diego-García E (eds) Spider venoms. Springer, Dordrecht
- Kuhn-Nentwig L, Nentwig W (2013) The immune system of spiders. In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
- Kuhn-Nentwig L, Nentwig W (2013) The cytotoxic mode of action of the venom of *Cupiennius salei* (Ctenidae). In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
- Nentwig W, Kuhn-Nentwig L (2013) Main components of spider venoms. In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
- Nentwig W, Kuhn-Nentwig L (2013) Spider venoms potentially lethal to humans. In: Nentwig W (ed) Spider ecophysiology. Springer, Heidelberg
- Pysek P, Hulme P, Nentwig W, Vila M (2011) DAISIE Project. In: Simberloff D, Rejmánek M (eds) Encyclopedia of biological invasions. Berkeley and Los Angeles: University of California Press, 138-142
- Baur B, Nentwig W (2010) Wandel der Biodiversität in der Schweiz seit 1900. Ist die Talsohle erreicht? In: Invasive Arten. Edited by: Lachat T, Pauli D, Gonseth Y, Klaus G, Scheidegger C, Vittoz P, Walter T. 324-348 Haupt, Bern
- Nentwig W, Josefsson M (2010) Introduction. In: Alien terrestrial arthropods of Europe. Edited by: Roques A, Kenis M, Lees D, Lopez-Vaamonde C, Rabitsch W Rasplus J-Y, Roy DB. BioRisks, Special issue 4: 5-9 Pensoft Publishers, Sofia
- Nentwig W, Kobelt M (2010) Spiders (Araneae). In: Alien terrestrial arthropods of Europe. Edited by: Roques A, Kenis M, Lees D, Lopez-Vaamonde C, Rabitsch W Rasplus J-Y, Roy DB. BioRisks, Special issue 4: 131-147 Pensoft Publishers, Sofia
- Kuhn-Nentwig L, Trachsel C, Nentwig W (2009) Spider venom and hemolymph derived cytolytic and antimicrobial peptides. In: Howl J (ed) Bioactive peptides. CRC Press, Boca Raton
- Hulme PE, Nentwig W, Pyšek P, Vilà M (2009) Common market, shared problems: time for a coordinated response to biological invasions in Europe? In: Pyšek P, Pergl J (eds) Biological invasions: towards a synthesis. Neobiota 8: 3–19
- Hulme PE, Nentwig W, Pyšek P, Vilà M (2009) Editorial preface to the DAISIE handbook: The editors: an end has a start. In: DAISIE (ed) Handbook of alien species in Europe. Springer, Dordrecht
- Pyšek P, Hulme PE, Nentwig W (2009) Glossary of the main technical terms used in the handbook. In: DAISIE (ed) Handbook of alien species in Europe. Springer, Dordrecht, pp 375-380
- Roques A, Rabitsch W, Rasplus J-Y, Lopez-Vaamonde C, Nentwig W, Kenis M (2009) Alien terrestrial invertebrates of Europe. In: DAISIE (ed) Handbook of alien species in Europe. Springer, Dordrecht, pp 63-80
- Nentwig W (2008) *Homo sapiens* – Vom Jäger und Sammler zum Bedroher der Schöpfung. In: Klose J, Oehler J (eds) Gott oder Darwin? Vernünftiges Reden über Schöpfung und Evolution. Springer, Berlin, pp 275-290
- Hansen SO, Hattendorf J, Nielsen C, Wittenberg R, Nentwig W (2007) Herbivorous arthropods on *Heracleum mantegazzianum* in its native and invaded distribution range. In: Pysek P, Cock MJW, Nentwig W, Ravn HP (eds) Ecology and management of giant hogweed (*Heracleum mantegazzianum*). CABI, Wallingford, pp 170-188
- Hattendorf J, Hansen SO, Nentwig W (2007) Defence systems of *Heracleum mantegazzianum*. In: Pysek P, Cock MJW, Nentwig W, Ravn HP (eds) Ecology and management of giant hogweed (*Heracleum mantegazzianum*). CABI, Wallingford, pp 209-225
- Pysek P, Cock MJW, Nentwig W, Ravn HP (2007) Master of all traits: can we successfully fight giant hogweed? In: Pysek P, Cock MJW, Nentwig W, Ravn HP (eds) Ecology and management of giant hogweed (*Heracleum mantegazzianum*). CABI, Wallingford, pp 297-312

- Nentwig W (2007) Human environmental impact in the Paleolithic and Neolithic. In: Henke W, Tattersall I (eds) Handbook of paleoanthropology. Springer, Berlin, pp1881-1900
- Nentwig W (2007) Biological invasions: why it matters. In: Nentwig W (ed) Biological invasions, Ecological Studies 193, Springer, Berlin, pp 1-6
- Nentwig W (2007) Pathways in animal invasions. In: Nentwig W (ed) Biological invasions, Ecological Studies 193, Springer, Berlin, pp 11-27
- Nentwig W (2007) General Conclusions, or what has to be done now? In: Nentwig W (ed) Biological invasions, Ecological Studies 193, Springer, Berlin, pp 419-423
- Nentwig W (1999) Weedy plant species and their beneficial arthropods: potential for manipulation in field crops. In: Pickett CH, Bugg RL (eds) Enhancing Biological Control, University of California Press, Berkeley, pp 49-71
- Nentwig W, Frank T, Lethmayer C (1998) Sown weed strips: Artificial ecological compensation areas as an important tool in conservation biological control. In: Barbosa P (ed) Conservation biological control. Academic Press, San Diego, pp 133-153
- Nentwig W, Heimer S (1987) Ecological aspects of spider webs. In: Nentwig W (ed) Ecophysiology of spiders. Springer, Berlin, pp. 211-225
- Nentwig W (1987) The prey of spiders. In: Nentwig W (ed) Ecophysiology of spiders. Springer, Berlin, pp. 249-263

Journal publications (ISI standards)

- Nentwig W, Bacher S, Pyšek P, Vilà M, Kumschick S (2016) The generic impact scoring system (GISS): a standardized tool to quantify the impacts of alien species. Environmental Monitoring and Assessment 188: 315-327
- Spasojevic T, Kropf C, Nentwig W, Lasut L (2016) Combining morphology, DNA sequences, and morphometrics: revising closely related species in the orb-weaving spider genus *Araniella* (Araneae, Araneidae). Zootaxa 4111: 448-470
- Stuber M, Nentwig W (2016) How informative are case studies of spider bites in the medical literature? Toxicon 114: 40-44
- Biner O, Trachsel C, Moser A, Kopp L, Langenegger N, Kämpfer U, von Ballmoos C, Nentwig W, Schürch S, Schaller J, Kuhn-Nentwig L (2015) Isolation, N-glycosylations and function of a hyaluronidase-like enzyme from the venom of the spider *Cupiennius salei*. PLoS ONE 10(12): e0143963.
- Eggs B, Wolff JO, Kuhn-Nentwig L, Gorb SN, Nentwig W (2015) Hunting without a web: How lycosoid spiders subdue their prey. Ethology 121: 1166-1177
- Essl F, Bacher S, Blackburn T, Booy O, Brundu G, Brunel S, Cardoso A-C, Eschen R, Gallardo B, Galil B, Garcia-Berthou E, Genovesi P, Groom Q, Harrower C, Hulme P, Katsanevakis S, Kenis M, Kühn I, Kumschick S, Martinou K, Nentwig W, O'Flynn C, Pagad S, Pergl J, Pysek P (2015) Crossing frontiers in tackling pathways of biological invasions. BioScience, doi:10.1093/biosci/biv082
- Hawkins CL, Bacher S, Essl F, Hulme PE, Jeschke JM, Kühn I, Kumschick S, Nentwig W, Pergl J, Pyšek P, Rabitsch W, Richardson DM, Vilà M, Wilson JR, Genovesi P, Blackburn TM (2015) Framework and Guidelines for Implementing the Proposed IUCN Environmental Impact Classification for Alien Taxa (EICAT). Diversity and Distributions DOI: 10.1111/ddi.12379
- Kumschick S, Bacher S, Evans T, Markova Z, Pergl J, Pysek P, Vaes-Petignat S, Van der Veer G, Vila M, Nentwig W (2015) Comparing impacts of alien plants and animals in Europe using a standard scoring system. Journal of Applied Ecology 52: 552-561

- Lavery C, Nentwig W, Dick JTA, Lucy FR (2015) Alien aquatics in Europe: assessing the relative environmental and socioeconomic impacts of invasive aquatic macroinvertebrates and other taxa. *Management of Biological Invasions* 6: 341-350
- Nentwig W (2015) Introduction, establishment rate, pathways and impact of spiders alien to Europe. *Biological Invasions*, DOI 10.1007/s10530-015-0912-5
- Nentwig W, Gloor D, Kropf C (2015) Spider taxonomists catch data on web. *Nature* 528: 479
- Blackburn TM, Essl F, Evans T, Hulme PE, Jeschke JM, Kühn I, Kumschick S, Markova Z, Mrugała A, Nentwig W, Pergl J, Pysek P, Rabitsch W, Ricciardi A, Richardson DM, Sendek A, Vilà M, Wilson JRU, Winter M, Genovesi R, Bacher S (2014) A unified classification of alien species based on the magnitude of their environmental impacts. *PLoS Biology* 12 (5) e1001850
- Kuhn-Nentwig L, Kopp LS, Nentwig W, Haenni B, Streitberger K, Schürch S, Schaller J (2014) Functional differentiation of spider hemocytes by light and transmission electron microscopy, and MALDI-MS-imaging. *Developmental and Comparative Immunology* 43: 59-67
- Thoma M, Kranz-Baltensperger Y, Kropf C, Graber W, Nentwig W, Frick H (2014) The new Southeast Asian goblin spider genus *Aposhragisma* (Araneae, Oonopidae): diversity and phylogeny. *Zootaxa* 3798 (1): 1-86
- Vaes-Petignat S, Nentwig W (2014) Environmental and economic impact of alien terrestrial arthropods in Europe. *NeoBiota* 22: 23-42
- Van der Veer G, Nentwig W (2014) Environmental and economic impact assessment of alien and invasive fish species in Europe using the generic impact scoring system. *Ecology of Freshwater Fish*. doi: 10.1111/eff.12181
- Fuchs J, Dechend M, Mordasini R, Ceschi A, Nentwig W (2013) A verified spider bite and a review of the literature confirm Indian ornamental tree spiders (*Poecilotheria* species) as underestimated theraphosids of medical importance. *Toxicon* 77:73-77
- Kuhn-Nentwig L, Sheynis T, Kolusheva S, Nentwig W, Jelinek R (2013) N-terminal aromatic residues closely impact the cytolytic activity of cupiennin 1a, a major spider venom peptide. *Toxicon*, 75:177-186
- Gnädinger M, Nentwig W, Fuchs J, Ceschi A (2013) Swiss prospective study on spider bites. *Swiss Medical Weekly* 143:w13877
- Nentwig W, Gnädinger M, Fuchs J, Ceschi A (2013) A two year study of verified spider bites in Switzerland and a review of the European spider bite literature. *Toxicon* 73: 104-110
- Tschopp A, Riedel M, Kropf C, Nentwig W, Klopstein S (2013) The evolution of host associations in the parasitic wasp genus *Ichneumon* (Hymenoptera: Ichneumonidae): convergent adaptations to host pupation sites. *BMC Evol Biol* 13:74
- Wolff JO, Nentwig W, Gorb SN (2013) The great silk alternative: multiple co-evolution of web loss and sticky hairs in spiders. *PLOS one* 8 (5) e62682, 1-13
- Bigler I, Nentwig W, Lindfeld A (2012) Food preference in the woodlouse *Porcellio scaber* (Isopoda) in a choice test with fungicidal GM wheat. *Journal of Applied Entomology* 136: 51-59
- Boch S, Berlinger M, Fischer M, Knop E, Nentwig W, Türke M, Prati D (2012) Fern and bryophyte endozoochory by slugs. *Oecologia* I 10.1007/s00442-012-2536-0
- Eichenberger B, Kranz-Baltensperger Y, Ott R, Graber W, Nentwig W, Kropf C (2012) Morphology of new Indian/Indonesian *Gamasomorpha* and *Xestaspis* species (Araneae: Oonopidae). *Zootaxa* 3160: 1-68
- Entling MH, Schweiger O, Bacher S, Espadaler X, Hickler T, Kumschick S, Woodcock BA, Nentwig W (2012) Species richness-environment relationships of European arthropods at two spatial grains: habitats and countries. *PLoS ONE* 7(9): e45875

- Katsanis A, Babendreier D, Nentwig W, Kenis M (2012)) Intraguild predation between the invasive ladybird *Harmonia axyridis* and non-target European coccinellid species. *BioControl* DOI 10.1007/s10526-012-9470-2
- Kuhn-Nentwig L, Fedorova IM, Lüscher BP, Kopp LS, Trachsel C, Schaller J, Vu XL, Seebeck T, Streitberger K, Nentwig W, Sigel E & Magazanik, LG (2012) A Venom-derived neurotoxin, CsTx-1, from the spider *Cupiennius salei* exhibits cytolytic activities. *J Biol Chem* 287: 25640-25649
- Lindfeld A, Nentwig W (2012) Genetically engineered antifungal wheat has no detrimental effects on the key soil species *Lumbricus terrestris*. *The Open Ecology Journal* 5: 45-52
- Nentwig W (2012) The species referred to as *Eurypelma californicum* (Theraphosidae) in more than 100 publications is likely to be *Aphonopelma hentzi*. *Journal of Arachnology* 40: 128-130
- Nentwig W (2012) Highest degrees of host specificity even in the inundative biocontrol approach. Response to Cripps et al. *NeoBiota* 13: 41-42
- Trachsel C, Siegemund D, Kämpfer U, Kopp LS, Bühr C, Grossmann J, Lüthi C, Cunningham M, Nentwig W, Kuhn-Nentwig L, Schürch S & Schaller J (2012) Multicomponent venom of the spider *Cupiennius salei*: a bioanalytical investigation applying different strategies. *FEBS J* 279: 2683-2694
- Duc C, Nentwig W, Lindfeld A (2011) No adverse effect of genetically modified antifungal wheat on decomposition dynamics and the soil fauna community - a field study. *Plos One* (6) 10: e25014
- Essl F, Dullinger S, Rabitsch W, Hulme P, Hülber K, Jarosík V, Kleinbauer I, Krausmann F, Kühn I, Nentwig W, Vilà M, Genovesi P, Gherardi F, Desprez-Loustau M-L, Roques A, Pysek P (2011) Response to Keller and Springborn: No doubt about invasion debt. *PNAS* 108: 221
- Kuhn-Nentwig L, Largiadèr CR, Streitberger K, Chandru S, Bauman T, Kämpfer U, Schaller J, Schürch S, Nentwig W (2011) Purification, cDNA 1 structure and biological significance of a single insulin-like growth factor-binding domain protein (SIBD-1) identified in the hemocytes of the spider *Cupiennius salei*. *Insect Biochemistry and Molecular Biology*: 41: 891-901
- Kuhn-Nentwig L, Stöcklin R, Nentwig W (2011) Venom composition and strategies in spiders: is everything possible? *Advances in Insect Physiology* 40: 1-77
- Kuhn-Nentwig L, Willems J, Seebeck T, Shalaby T, Kaiser M, Nentwig W (2011) Cupiennin 1a exhibits a remarkably broad, non-stereospecific cytolytic activity on bacteria, protozoan parasites, insects, and human cancer cells. *Amino Acids* 40: 69-76
- Kumschick S, Alba C, Hufbauer RA, Nentwig W (2011) Weak or strong invaders? A comparison of impact between the native and invaded ranges of mammals and birds alien to Europe. *Diversity and Distributions* 17: 663-672
- Kumschick S, Nentwig W (2011) Response to Strubbe et al. 2011: Impact scoring of invasive birds is justified. *Biological Conservation* DOI: 10.1016/j.biocon.2011.08.019
- Kumschick S, Fronzek S, Entling M.H, Nentwig W (2011) Rapid spread of the wasp spider *Argiope bruennichi* across Europe: a consequence of climate change? *Climate Change* DOI 10.1007/s10584-011-0139-0
- Lindfeld A, Lang C, Knop E, Nentwig W (2011) Hard to digest or a piece of cake? Does GM wheat affect survival and reproduction of *Enchytraeus albidus* (Annelida: Enchytraeidae)? *Applied Soil Ecology* 47: 51-58.
- Müller E, Nentwig W (2011) Plant pathogens as biocontrol agents of *Cirsium arvense* – an overestimated approach? *Neobiota* 11: 1-24
- Müller E, Jud P, Nentwig W (2011) Artificial infection of *Cirsium arvense* with the rust pathogen *Puccinia punctiformis* by imitation of natural spore transfer by the weevil *Ceratapion onopordi*. *Weed Research* 51: 209-213
- Müller E, Nentwig W (2011) How to find a needle in a haystack - host plant finding of the weevil *Ceratapion onopordi*. *Entomologia Experimentalis et Applicata* 139: 68-74

- Simberloff D et al. (2011) Correspondence: Non-natives: 141 scientists object. *Nature* 475 (36)
- Althaus S, Jacob A, Graber W, Hofer D, Nentwig W, Kropf C (2010) A double role of sperm in scorpions: The mating plug of *Euscorpis italicus* (Scorpiones: Euscorpidae) consists of sperm. *Journal of Morphology* 271: 383-393
- Baumann T, Kämpfer U, Schürch S, Schaller J, Largiadèr C, Nentwig W, Kuhn-Nentwig L (2010) Ctenidins: antimicrobial glycine-rich peptides from the hemocytes of the spider *Cupiennius salei*. *Cellular and Molecular Life Sciences* 67: 2787-2798
- Baumann T, Kuhn-Nentwig L, Largiadèr C, Nentwig W (2010) Expression of defensins in non-infected araneomorph spiders. *Cellular and Molecular Life Sciences* 67: 2643-2651
- Brügger A, Nentwig W, Airoldi J-P (2010) The burrow system of the common vole (*M. arvalis*) in Switzerland. *Mammalia* 74: 311-315
- Elmiger R, Ramseier M, Nentwig W, Airoldi J-P (2010) Population ecology of small rodents in sown wild flower areas in Western Switzerland. *Revue Ecologique* 65: 163-177
- Entling W, Schmidt-Entling M, Bacher S, Brandl R, Nentwig W (2010) Body size-climate relationships of European spiders. *Journal of Biogeography* 37: 477-485.
- Essl F, Dullinger S, Rabitsch W, Hulme P.E, Hülber K, Jarosik V, Kleinbauer I, Krausmann F, Kühn I, Nentwig W, Vilà M, Genovesi F, Gherardi F, Desprez-Loustau M-L, Roques A, Pysek P (2010) Socioeconomic legacy yields an invasion debt. *PNAS Early Edition*, doi/10.1073/pnas.1011728108
- Frick H, Nentwig W, Kropf C (2010) Progress in erigonine spider phylogeny - the *Savignia*-group is not monophyletic (Araneae: Linyphiidae). *Organisms Diversity and Evolution* 10: 297-310
- Hönemann L, Nentwig W (2010) Does feeding on Bt-maize affect the slug *Arion vulgaris* (Mollusca: Arionidae)? *Biocontrol Science & Technology* 20: 13-18
- Knecht S, Nentwig S (2010) Effect of Bt maize on the reproduction and development of saprophagous Diptera over multiple generations. *Basic and Applied Ecology* 11: 346-353
- Kumschick S, Nentwig W (2010) Some alien birds have as severe an impact as the most effectual alien mammals in Europe. *Biological Conservation* doi:10.1016/j.biocon.2010.07.023
- Peter M, Lindfeld A, Nentwig W (2010) Does GM wheat affect saprophagous Diptera species (Drosophilidae, Phoridae)? *Pedobiologia*, doi:10.1016/j.pedobi.2009.12.006
- Pysek P, Bacher S, Chytrý M, Jarosik V, Wild J, Celesti-Grappo L, Gasso N, Kenis M, Lambdon P.W, Nentwig W, Pergl J, Roques A, Sadlo J, Solarz W, Vila M, Hulme P.E (2010) Contrasting patterns in the invasions of European terrestrial and freshwater habitats by alien plants, insects and vertebrates. *Global Ecology and Biogeography*, DOI: 10.1111/j.1466-8238.2009.00514.x
- Pysek P, Jarosik V, Hulme P.E, Kühn I, Wild J, Arianoutsou M, Bacher S, Chiron F, Didziulis V, Essl F, Genovesi P, Gherardi F, Hejda M, Kark S, Lambdon P.W, Desprez-Loustau M-L, Nentwig W, Pergl J, Poblisaj K, Rabitsch W, Roques A, Roy D.B, Shirley S, Solarz W, Vila M, Winter M (2010) Disentangling the role of environmental and human pressures on biological invasions across Europe. *PNAS* 107: 12157-12162
- Steiner S.M, Kropf C, Graber W, Nentwig W, Klopstein S (2010) Antennal courtship and functional morphology of tyloids in the parasitoid wasp *Syrphoctonus tarsatorius* (Hymenoptera: Ichneumonidae: Diplazontinae) *Arthropod Structure & Development* 39: 33-40.
- Winter M, Kühn I, La Sorte FA, Schweiger O, Nentwig W, Klotz S (2010) The role of non-native plants and vertebrates in defining patterns of compositional dissimilarity within and across continents. *Global Ecology and Biogeography* DOI: 10.1111/j.1466-8238.2010.00520.x

- Zurbruegg C, Hoenemann L, Meissle M, Romeis J, Nentwig W (2010) Decomposition dynamics and structural plant components of genetically modified Bt maize leaves do not differ from leaves of conventional hybrids *Transgenic Research* 19: 257-267
- Kumschick S, Schmidt-Entling M.H, Bacher S, Hickler T, Entling W, Nentwig W (2009) Water limitation prevails over energy in European diversity gradients of sheetweb spiders (Araneae: Linyphiidae). *Basic Appl Ecol* 10: 754-762
- Nentwig W, Kühnel E, Bacher S (2009) Alien mammals in Europe: a generic impact scoring system. *Cons Biol* 24: 302-311
- Vilà M, Basnou C, Pysek P, Josefsson M, Genovesi P, Gollasch S, Nentwig W, Olenin S, Roques A, Roy D, Hulme PE, DAISIE partners (2009) How well do we understand the impacts of alien species on ecosystem services? A pan-European, cross-taxa assessment. *Front Ecol Environ* doi:10.1890/080083
- Walther G-R, Roques A, Hulme PE, Sykes MT, Pysek P, Kühn I, Zobel M, Bacher S, Botta-Dukat Z, Bugmann H, Czucz B, Dauber J, Hickler T, Jarosik V, Kenis M, Klotz S, Minchin D, Moora M, Nentwig W, Ott J, Panov VE, Reineking B, Robinet C, Semchenko V, Solarz W, Thuiller W, Vila M, Vohland K, Settele J (2009): Alien species in a warmer world - risks and opportunities. *TREE* 24: 686-693
- Hönemann L, Nentwig W (2009) Are survival and reproduction of *Enchytraeus albidus* (Annelida: Enchytraeidae) at risk by feeding on Bt-maize litter? *Eu J Soil Biol* 45: 351-355
- Zurbrügg C, Nentwig W (2009) Ingestion and excretion of two transgenic Bt corn varieties by slugs. *Transgenic Res* 18: 215-225
- Muff P, Kropf C, Frick H, Nentwig W, Schmidt-Entling M.H (2009) Coexistence of divergent communities at natural boundaries: spider (Arachnida: Araneae) diversity across an alpine timberline. *Ins Cons Divers* 2: 36-44
- Hulme PE, Pyšek P, Nentwig W, Vilà M (2009) Will threat of biological invasions unite the European Union? *Science* 324: 40-41
- Hulme P.E, Bacher S, Kenis M, Klotz S, Kühn I, Minchin D, Nentwig W, Olenin S, Panov V, Pergl J, Pyšek P, Roques A, Sol D, Solarz W, Vilà M (2008) Grasping at the routes of biological invasions: a framework for integrating pathways into policy. *J Appl Ecol* 45: 403-414
- Hönemann L, Zurbrügg C, Nentwig W (2008) Effects of Bt-corn deposition on the composition of the soil meso- and macrofauna. *Appl Soil Ecol* 40: 203-209
- Kobelt M, Nentwig W (2008) Alien spider introductions of Europe supported by global trade. *Diversity Distrib* 14: 273-280
- Reznik SYa, Dolgovskaya MYu, Zaitzev VF, Davidyan GE, Nentwig W (2008): Evaluation of *Nastus fausti* Reitter (Coleoptera: Curculionidae) for biological control of invasive giant hogweeds (*Heracleum* spp.). *Ent Rev* 88: 640–650
- Schmidt MH, Thies C, Nentwig W, Tschardt T (2008) Contrasting responses of arable spiders to the landscape matrix at different spatial scales. *J Biogeography* 35: 157-166
- Thu Nguyen H, Hunfeld H, Meissle M, Miethling-Graff R, Pagel-Wieder S, Rauschen S, Zurbrügg C, Eber S, Gessler F, Romeis J, Tebbe CC, Nentwig W, Jehle JA (2008) Round robin quantitation of Cry3Bb1 using the qualitative PathoScreen ELISA. *IOBC WPRS Bull*, 33, 59-66
- Wandeler H, Nentwig W, Bacher S (2008) Establishing systemic rust infections in *Cirsium arvense* in the field. *Biocontrol Sc Technol* 18:209-214
- Briner T, Favre N, Nentwig W, Airoldi J.P (2007) Population dynamics of *Microtus arvalis* in a weed strip. *Mammal Biol* 72: 106-115
- Entling W, Schmidt M.H, Bacher S, Brandl R, Nentwig W (2007) Niche properties of Central European spiders: shading, moisture, and the evolution of the habitat niche. *Global Ecol Biogeography* 16:440-448

- Frick H, Kropf C, Nentwig W (2007) Laboratory temperature preferences of the wolf spider *Pardosa riparia* (Araneae: Lycosidae). *Bull Br Arachnol Soc* 14: 45-48
- Frick H, Nentwig W, Kropf C (2007) Influence of stand-alone trees on epigeic spiders (Araneae) at the alpine timberline. *Ann Zool Fenn* 44: 43-57
- Kubista H, Mafra R.A, Chong Y, Nicholson G.M, Beirao P.S.L, Cruz J.S, Boehm S, Nentwig W, Kuhn-Nentwig L (2007) CSTX-1, a toxin from the venom of the hunting spider *Cupiennius salei*, is a selective blocker of L-type calcium channels in mammalian neurons. *Neuropharmacology* 52: 1650-1662
- Kuhn-Nentwig L, Kubista H, Nentwig W (2007) Spider venom: a rich source of highly active molecules. *Chimia* 61: 588
- Muff P, Schmidt M.H, Frick H, Nentwig W, Kropf C (2007) Spider (Arachnida: Araneae) distribution across the timberline in the Swiss Central Alps (Alp Flix, Grisons) and three morphologically remarkable species. *Arachnol Mitt* 34:16-24
- Nentwig W (2007) Der Rückgang der biologischen Vielfalt kann gestoppt werden. *Natforsch Ges Zürich* 152(3): 84-87
- Nentwig W (2007) Neozoen. Warum es wichtig ist, gebietsfremde Tierarten zu bekämpfen. *Naturwiss Rundschau*, 60: 565-572
- Zwahlen C, Hilbeck A, Nentwig W (2007) Field decomposition of transgenic Bt maize residue and the impact on non-target soil invertebrates. *Plant Soil* 300: 245-257
- Burger M, Michalik P, Graber W, Jacob A, Nentwig W, Kropf C (2006) Complex genital system of a haplogynen spider (Arachnida, Araneae, Tetrablemmidae) indicating internal fertilization and full female control over transferred sperm. *J Morphol* 267: 166-186
- Hansen S.O, Hattendorf J, Nentwig W (2006) Mutualistic relationship beneficial for aphids and ants on giant hogweed (*Heracleum mantegazzianum*). *Community Ecology* 7(1): 43-52
- Hansen SO Hattendorf J, Wittenberg R, Reznik, SY, Nielsen C, Ravn HP, Nentwig W (2006) Phytophagous insects of giant hogweed *Heracleum mantegazzianum* (Apiaceae) in invaded areas of Europe and in its native area of the Caucasus. *Eur J Entomol* 103: 387-395
- Hostettler S, Nentwig (2006) Olfactory information saves venom during prey-capture of the hunting spider *Cupiennius salei* (Araneae: Ctenidae). *Funct Ecol* (20: 369-375)
- Vilà M, Bacher S, Hulme P, Kenis M, Kobelt M, Nentwig W, Sol D, Solarz W (2006) Impactos ecológicos de las invasiones de plantas y vertebrados terrestres en Europa. *Ecosistemas* 2
- Weber M, Nentwig W (2006) Impact of Bt corn on the diplopod *Allajulus latestriatus*. *Pedobiologia* 50: 357-368
- Pont B, Nentwig W (2005) Quantification of Bt-protein digestion and excretion by the primary decomposer *Porcellio scaber*, fed with two Bt-corn varieties. *Biocontrol Sc Techn* 15: 341-352
- Wullschleger B, Nentwig W, Kuhn-Nentwig L (2005) Spider venom: enhancement of venom efficacy mediated by different synergistic strategies in *Cupiennius salei*. *J Exp Biol* 208: 2115-2121
- Briner T, Nentwig W, Airoidi J-P (2005) Habitat quality of wildflower strips for common voles (*Microtus arvalis*) and its relevance for agriculture. *Agriculture, Ecosystems Environment* 105: 173-179
- Jacob A, Gantenbein I, Braunwalder M.E., Nentwig W, Kropf C (2004) Morphology and function of male genitalia (Spermatophores) in *Euscorpius italicus* (Euscorpiidae, Scorpiones) Complex spermatophore structures enable safe sperm transfer. *J Morphol* 260: 72-84
- Keller I, Nentwig W, Largiader C (2004) Recent habitat fragmentation due to roads can lead to significant genetic differentiation in an abundant flightless ground beetle. *Mol Ecol* 13: 2983–2994
- Kuhn-Nentwig L, Schaller J, Nentwig W (2004) Biochemistry, toxicology and ecology of the venom of the spider *Cupiennius salei* (Ctenidae). *Toxicon* 43: 543–553

- Briner T, Airoidi J.P, Dellsperger F, Eggimann S, Nentwig W (2003) A new system for automatic radiotracking of small mammals. *J Mammal* 84: 571-578
- Burger M, Nentwig W, Kropf C (2003) Complex genital structures indicate cryptic female choice in a haplogyne spider (Arachnida, Araneae, Oonopidae, Gamasomorphinae). *J Morphol* 255: 80-93
- Howald R, Zwahlen C, Nentwig W (2003) Evaluation of *Bt* oilseed rape on the non-target herbivore *Athalia rosae*. *Ent Exp Appl* . 106: 87-93
- Nentwig W (2003) Management of biodiversity in agroecosystems. *Basic Appl Ecol* 4: 105-106
- Wullschleger B, Kuhn-Nentwig L, Tromp J, Kämpfer U, Schaller J, Schürch S, Nentwig W (2004) CSTX-13, a highly synergistically acting two-chain neurotoxic enhancer in the venom of the spider *Cupiennius salei* (Ctenidae). *Proc. Natl. Acad. Sci. USA* 101, 11251–11256
- Zwahlen C, Hilbeck A, Gugerli P, Nentwig W (2003) Degradation of the Cry1Ab protein within transgenic *Bacillus thuringiensis* corn tissue in the field. *Mol Ecol* 12: 765-775
- Zwahlen C, Hilbeck A, Howald R, Nentwig W (2003) Effects of transgenic Bt corn litter on the earthworm *Lumbricus terrestris*. *Mol Ecol* 12: 1077-1086
- Burger M, Nentwig W, Kropf C (2002) *Opopaea fosuma*, n.sp. from Sumatra, Indonesia (Araneae, Oonopidae) *Bull Br arachnol Soc* 12(5), 244-248
- Kuhn-Nentwig L, Dathe M, Walz A, Schaller J, Nentwig W (2002) Cupiennin 1d*: the cytolytic activity depends on the hydrophobic N-terminus and is modulated by the polar C-terminus. *FEBS Letters* 527: 193-198
- Kuhn-Nentwig L, Müller J; Schaller J; Walz A; Dathe M, Nentwig W (2002) Cupiennin 1, a new family of highly basic antimicrobial peptides in the venom of the spider *Cupiennius salei* (Ctenidae). *J Biol Chem* 277: 11208-11216
- Nentwig W, Sorg M, Eichenberger J (2002) Chemical extracts of plants as possible attractants for the green lacewing *Chrysoperla carnea* (Planipennia, Chrysopidae). *J Plant Diseases Protection* 109: 318-326
- Wandeler H, Bahylova J, Nentwig W (2002) Consumption of two *Bt* and six non-*Bt* corn varieties by the woodlouse *Porcellio scaber*. *Basic Appl Ecol* 3:357-365
- Wigger E, Kuhn-Nentwig L, Nentwig W (2002) The venom optimisation hypothesis: A spider injects large venom quantities only into difficult prey types. *Toxicon* 40:749-752
- Wullschleger B, Nentwig W (2002) Influence of venom availability on a spider's prey-choice behaviour. *Funct Ecol* 16: 802-807
- Zabka M, Nentwig W (2002) The Krakatau islands (Indonesia) as a model-area for zoogeographical study. a salticidae (Arachnida: Araneae) perspective. *Annal Zool* 52:465-474
- Jantschke B, Nentwig W (2001) Sub-social behaviour in the diplurid *Ischnothele caudata* (Araneae, Dipluridae). *Bull Br Arachnol Soc* 12: 12-16
- Schaller J, Kämpfer U, Schürch S, Kuhn-Nentwig L, Haerberli S, Nentwig W (2001) CSTX-9, a toxic peptide from the spider *Cupiennius salei*: amino acid sequence, disulphide bridge pattern and comparison with other spider toxins containing the cystine knot structure. *Cell Mol Life Sci* 58: 1538-1545
- Schaller J, Kuhn-Nentwig L, Schürch S, Kämpfer U, Müller J, Nentwig W (2001) Neurotoxic peptides in the multicomponent venom of the spider *Cupiennius salei* Part I. Primary structure of neurotoxic peptides in relation to their biological function. *Chimia* 55: 1058-1062
- Schürch S, Schaller J, Kämpfer U, Kuhn-Nentwig L, Nentwig W (2001) Neurotoxic peptides in the multicomponent venom of the spider *Cupiennius salei* Part II. Elucidation of the disulphide-bridge pattern of the neurotoxic peptide CSTX-9 by tandem mass spectrometry. *Chimia* 55: 1063-1066

- Airoldi J-P, Eggimann S, Dellsperger F, Jutzi E, Nentwig W (2000) Continuous and automatic radiotracking of a population of the common vole *Microtus arvalis* in a structured agricultural landscape: a novel approach. *Isr J Zool* 46: 356-357
- Escher N, Käch B, Nentwig W (2000) Decomposition of transgenic *Bacillus thuringiensis* maize by microorganisms and woodlice *Porcellio scaber* (Crustacea: Isopoda). *Basic Appl Ecol* 1: 161-169
- Graf B, Nentwig W (2000) Ontogenetic change in coloration and web building behavior in the tropical spider *Eriophora fuliginea* (Araneae, Araneidae). *J Arachnol* 29: 104-110
- Haerberli S, Kuhn-Nentwig L, Schaller J, Nentwig W (2000) Characterisation of antibacterial activity of peptides isolated from the venom of the spider *Cupiennius salei* (Araneae: Ctenidae). *Toxicon* 38: 373-380
- Kuhn-Nentwig L, Schaller J, Kämpfer U, Imboden H, Malli H, Nentwig W (2000) A lysine rich C-terminal tail is directly involved in the toxicity of CSTX-1, a neurotoxic peptide from the venom of the spider *Cupiennius salei*. *Arch Insect Biochem Physiol* 44: 101-111
- Malli H, Kuhn-Nentwig L, Imboden H, Moon M-J, Wyler T (2000) Immunocytochemical localization and secretion process of the toxin CSTX-1 in the venom gland of the wandering spider *Cupiennius salei* (Araneae: Ctenidae). *Cell Tissue Res* 299: 417-426
- Schaller M, Nentwig W (2000) Olfactory orientation of the seven-spot ladybird beetle, *Coccinella septempunctata* (Coleoptera: Coccinellidae): Attraction of adults to plants and conspecific females. *Eur J Entomol* 97: 155-159
- Vapenik Z, Nentwig W (2000) The influence of hunger and breeding temperature on the venom production of the spider *Cupiennius salei* (Araneae, Ctenidae). *Toxicon* 38: 293-298
- Zabka M, Nentwig W (2000) Salticidae (Arachnida: Araneae) of the Krakatau Islands (Indonesia) - a preliminary approach. *Ekologia* 19: 293-306
- Zwahlen C, Nentwig W, Bigler F, Hilbeck A (2000) Tritrophic interactions of transgenic *Bacillus thuringiensis* corn, *Anaphothrips obscurus* (Thysanoptera: Thripidae), and the predator *Orius majusculus* (Heteroptera: Anthocoridae). *Environ Entomol* 29(4): 846-850
- Balmelli L, Nentwig W, Airoldi J-P (1999) Nahrungspräferenzen der Feldmaus *Microtus arvalis* in der Agrarlandschaft unter Berücksichtigung der Pflanzeninhaltsstoffe. *Z. Säugetierkunde* 64: 154-168
- Malli H, Kuhn-Nentwig L, Imboden H, Nentwig W (1999) Effects of size, motility and paralysation time of prey on the quantity of venom injected by the hunting spider *Cupiennius salei*. *J Exp Biol* 202: 2083-2089
- Nentwig W (1999) Explaining the human demographic transition. *Correspondance. Trends in Ecology and Evolution* 14: 32
- Nentwig W (1999) The importance of human ecology at the threshold of the next millenium: How can Population growth be stopped? *Naturwissenschaften* 86: 411-421
- Jakob B, von Mandach T, Nentwig W (1998) Phytophage an *Heracleum mantegazzianum* und *Heracleum sphondylium* in der Schweiz. *Z Pfl.Krankk Pfl.schutz*, 16, 223-230
- Kuhn-Nentwig , Bücheler A, Studer A, Nentwig W (1998) Taurine and histamine: Low molecular compounds in prey hemolymph increase the killing power of spider venom. *Naturwissenschaften*, 85, 136-138
- Nentwig W (1998) Keine Entwarnung beim Bevölkerungswachstum: Brauchen wir global die Ein-Kind.-Familie? *Biologie in unserer Zeit* 28: 342-347.
- Bürki C, Nentwig W (1997) Comparison of herbivore insect communities of *Heracleum sphondylium* and *H. mantegazzianum* in Switzerland (Spermatophyta: Apiaceae). *Entomol Gen* 22: 147-155.
- Fernandéz C, Nentwig W (1997) Quality control of the parasitoid *Aphidius colemani* (Hym., Aphidiidae) used for biological control in greenhouses. *J Appl Ent* 121: 447-456.
- Kuhn Nentwig L, Nentwig W (1997) Venom of the hunting spider *Cupiennius salei* (Ctenidae). *Toxicon* 35: 813.

- Lethmayer C, Nentwig W, Frank T (1997) Effects of weed strips on the occurrence of noxious coleopteran species (Nitidulidae, Chrysomelidae, Curculionidae). *Z PflKrankh PflSchutz* 104: 75-92.
- Jobin A, Schaffner U, Nentwig W (1996) The structure of the phytophagous insect fauna on the introduced weed *Solidago altissima* in Switzerland. *Entomol Exper Appl* 79: 33-42.
- Boevé J-A, Kuhn-Nentwig L, Keller S, Nentwig W (1995) Quantity and quality of venom released by a spider (*Cupiennius salei*, Ctenidae). *Toxicon* 33: 1347-1357.
- Frank T, Nentwig W (1995) Ground dwelling spiders (Araneae) in sown weed strips and adjacent fields. *Acta Oecol* 16: 179-193.
- Imhasly P, Nentwig W (1995) Habitat management in winter wheat and evaluation of subsequent spider predation on insect pests. *Acta Oecol* 16: 389-403.
- Schaffner U, Nentwig W, Brändle R (1995) Effect of mowing, rust infection and seed production upon C and N reserves and morphology of the perennial *Veratrum album* L. (Liliales, Melanthiaceae). *Bot Helv* 105: 17-23.
- Wyss E, Niggli U, Nentwig W (1995) The impact of spiders on aphid populations in a strip-managed apple orchard. *J Appl Entomol* 119: 473-478.
- Kuhn-Nentwig L, Schaller J, Nentwig W (1994) Purification of toxic peptides and the amino acid sequence of CSTX-1 from the multicomponent venom of *Cupiennius salei* (Araneae, Ctenidae). *Toxicon* 32: 287-302.
- Lys J-A, Nentwig W (1994) Improvement of the overwintering sites for Carabidae, Staphylinidae and Araneae by strip-management in a cereal field. *Pedobiologia* 38: 238-242.
- Lys J-A, Zimmermann M, Nentwig W (1994): Increase in activity density and species number of carabid beetles in cereals as a result of strip-management. *Entomol Exp Appl* 73: 1-9.
- Zangger A, Lys J-A, Nentwig W (1994) Increasing the availability of food and the reproduction of *Poecilus cupreus* in a cereal field by strip-management. *Entomol Exp Appl* 71: 111-118.
- Malli H, Vapenik Z, Nentwig W (1993) Ontogenetic changes in the toxicity of the venom of the spider *Cupiennius salei* (Araneae, Ctenidae). *Zool Jb Physiol* 97: 113-122.
- Nentwig W (1993) Letter to the editor: Spider venoms are not suitable insecticides. *Toxicon* 31: 233 - 234.
- Lys J-A, Nentwig W (1992) Augmentation of beneficial arthropods by strip-management. 4. Surface activity, movements and activity density of abundant carabid beetles. *Oecologia* 92: 373-382.
- Nentwig W, Friedel T, Manhart C (1992) Comparative investigations on the effect of the venom of 18 spider species onto the cockroach *Blatta orientalis* (Blattodea). *Zool Jb Physiol* 96: 279 - 290.
- Lys J-A, Nentwig W (1991) Surface activity of carabid beetles inhabiting cereal fields. Seasonal phenology and the influence of farming operations on five abundant species. *Pedobiologia* 35: 129-138.
- Reitze M, Nentwig W (1991) Comparative investigations into the feeding ecology of six Mantodea species. *Oecologia* 86: 568-574.
- Nentwig W (1990) Stick insects (Phasmida) as prey of spiders: Size, palatability and defence mechanisms in feeding tests. *Oecologia* 82: 446 - 449.
- Nentwig W, Prillinger H (1990): A zygomycetous fungus as a mortality factor in a laboratory stock of spiders. *J Arachnol* 18: 118 - 121.
- Friedel T, Nentwig W (1989) Immobilizing and lethal effects of spider venoms on the cockroach and the common mealbeetle. *Toxicon* 27: 305-316.
- Nentwig W (1989) Augmentation of beneficial arthropods by strip-management. 2. Successional strips in a winter wheat field. *Z Pflanzenkrankh Pflanzensch* 96: 89-99.

- Nentwig W (1989) Seasonal and taxonomic aspects of the size of arthropods in the tropics and its possible influence on size-selectivity in the prey of a tropical spider community. *Oecologia* 78: 35-40.
- Nentwig W, Heidger C (1989) Augmentation of beneficial arthropods by strip-management, 3. Artificial introduction of a spider species which preys on wheat pest insects. *Entomophaga* 34: 511-522.
- Mansour F, Nentwig W (1988) Effects of agrochemical residues on four spider taxa: Laboratory methods for pesticide tests with web-building spiders. *Phytoparasitica* 16: 317-326.
- Nentwig W (1988) Augmentation of beneficial arthropods by strip-management. 1. Succession of predacious arthropods and long-term change in the ratio of phytophagous and predacious arthropods in a meadow. *Oecologia* 76: 597-606.
- Nentwig W, Rogg H (1988) The cross stabilimentum of *Argiope* spiders (Araneae: Araneidae) - nonfunctional or a nonspecific stress reaction? *Zool Anz* 221: 248-266.
- Strohmenger T, Nentwig W (1987) Adhesive and trapping properties of silk from different spider species. *Zool Anz* 218: 9 - 16
- Nentwig W (1986) Non-webbuilding spiders: Prey specialists or generalists? *Oecologia* 69: 571-576
- Nentwig W, Christenson T (1986) Natural history of the non-solitary sheetweaving spider *Anelosimus jucundus* (Araneae: Theridiidae). *Zool J Linn Soc* 87: 27-35
- Nentwig W, Spiegel H (1986) The partial web renewal behaviour of *Nephila clavipes* (Araneae: Araneidae). *Zool Anz* 216: 351-356
- Nentwig W, Wissel C (1986) A comparison of prey length among spiders. *Oecologia* 68: 595-600
- Nentwig W (1985) A mimicry complex between mutillid wasps (Hymenoptera: Mutillidae) and spiders (Araneae). *Stud Neotrop Fauna Envir* 20: 113-116
- Nentwig W (1985) *Architis nitidopilosa*, a neotropical pisaurid with a permanent catching web (Araneae, Pisauridae). *Bull Br Arachnol Soc* 6: 297-303
- Nentwig W (1985) Feeding ecology of the tropical spitting spider *Scytodes longipes* (Araneae, Scytodidae). *Oecologia* 65: 284-288
- Nentwig W (1985) Obligate kleptoparasitic behaviour of female flies at spider webs (Diptera: Empidoidea: Microphoridae). *Zool Anz* 215: 348-354
- Nentwig W (1985) Parasitic fungi as a mortality factor of spiders. *J Arachnol* 13: 272-274
- Nentwig W (1985) Prey analysis of four species of tropical orb weaving spiders (Araneae: Araneidae) and a comparison with araneids of the temperate zone. *Oecologia* 66: 580-594
- Nentwig W (1985) Social spiders catch larger prey. A study of *Anelosimus eximius* (Araneae, Theridiidae). *Behav Ecol Sociobiol* 17: 79-85
- Nentwig W (1985) Spiders eat crickets artificially poisoned with KCN and change the composition of their digestive fluid. *Naturwissenschaften* 72: 545-546
- Nentwig W (1985) Topbottom asymmetry in vertical orbwebs: A functional explanation and attendant complications. *Oecologia* 67: 111-112
- Nentwig W, Heimer S (1983) Orb webs and single-line webs: An economic consequence of space web reduction in spiders. *Z Zool Syst Evolutionsforsch* 21: 26-37
- Nentwig W (1983) The prey of web-building spiders compared with feeding experiments (Araneae: Araneidae, Linyphiidae, Pholcidae, Agelenidae). *Oecologia* 56: 132-139
- Nentwig W (1983) The non-filter function of orb-webs in spiders. *Oecologia* 58: 418-420
- Nentwig W (1982) Why do only certain insects escape from a spider's web? *Oecologia* 53: 412-417

- Nentwig W (1982) Epigeic spiders: Their potential prey and concurrents: Size and frequency relations. *Oecologia* 55: 130-136
- Heimer S, Nentwig W (1982) Thoughts on the phylogeny of the Araneoidea Latreille, 1806 (Arachnida, Araneae). *Z Zool Syst Evolutionsforschung* 20: 284-295
- Nentwig W (1981) The selective prey of Linyphiid-like spiders and of their space webs. *Oecologia* 45: 236-243