

Prof. Dr. agr. Thomas F. Döring – Curriculum vitae

Qualifications and positions

Working experience / positions

2017-present	Full professor, Head of the Agroecology and Organic Farming Group, University of Bonn, Germany
2013-2017	Lecturer of Agronomy and Crop Science at Humboldt-University, Berlin, Germany
2009-2013	Head of Crops Research at the Organic Research Centre, UK
2006-2009	Post-Doc research at Imperial College London & Queen Mary, University of London, UK: “Visual stimuli in the host finding behaviour of aphids” (funded by DFG, German Science Foundation, Germany)
2005-2006	Post-Doc research at Queen Mary University of London, UK, “Spectral characterisation of photoreceptors in the Colorado potato beetle” (funded by German Academic Exchange Service)
2005	Coordinator of a seed saving initiative at the University of Kassel, Department of Agrobiodiversity
2002-2005	Project manager in a multi-site agricultural field experimental project “Straw mulch in organic potatoes”, University of Kassel. Focus on behaviour of aphids as vectors of plant viruses

University education

2000-2004	PhD at University of Kassel, Germany: “Straw mulch in organically grown potatoes”; [<i>Summa cum laude</i>].
1994-2000	Studying Landscape Ecology, University of Münster; 1995-2000: scholarship from German Protestant Church; Thesis, “Analysis and evaluation of the carabid fauna on organic and conventional fields”; [<i>Final grade: "with highest distinction"</i>].
1996/1997	Studying “Agriculture and the environment” in Aberystwyth, Wales, UK (6 months)

Awards, Memberships, Editorial positions, Advisory boards

2022-	Member of the Scientific Advisory Board on Agricultural Policy, Food and Consumer Health Protection, German Federal Ministry of Food and Agriculture
2020	Member of the IUCN Working Group on Social-Ecological Resilience and Transformation
2019-	Member of the Advisory Board of KTBL Working Group on Organic Farming
2019-2021	Associate Editor, European Journal of Agronomy (Elsevier)
2017-2020	Member of the Editorial Board, Heliyon (Elsevier)
2015-2019	Associate Editor, Potato Research (Springer)
2014-2020	Editor in Chief, Organic Farming (Librello)
2014-	Member of the German Society of Agronomy
2010-	Member of ISOFAR
2007-	Fellow of the Royal Entomological Society
2007-	Member of the British Ecological Society
2005-2009	Member of the German Society for General and Applied Entomology
2006	L. J. Goodman Award of the Royal Entomological Society for a series of public lectures on insect vision in London
2001	PhD-Course Wageningen, Best poster award

Finished research projects (selection)

Project-Acronym/ short title	Time	Funder	Topic	Type**	Role T. Döring
RESTOR	2016-2018	Ekhaga-Foundation	Resilience in organic crop production	EU	Leading proposal, Project leader
AWECOS ptj.de/ipas	2015-2018	BMBF	Wheat breeding, disease resistance	DE	Scientific leader of HU-Part
Digestates (Part V)	2014-2017	FNR	Soil fertility effects of digestate application	DE	Contribution to research proposal
COBRA orgprints.org/22617/	2013-2016	CORE II (EU)	Organic crop breeding in combinable crops	EU	Leading proposal, Project leader (2013)*
Biochar in agriculture	2012-2015	Leibniz-Gem.	Effects of biochar on crops and soil fertility	DE	Co-supervision of PhD thesis
OSCAR oscar-covercrops.eu	2012-2016	EU FP7	Cover crops, rotations and reduced tillage	EU	Contribution to proposal, WP leader (2012-13)*
HECO	2012-2013	Ekhaga-Foundation	Health concepts in organic agriculture	EU	Proposal writing, Project leader
BOEL-Evaluation	2011-2012	BLE	Evaluation of the German Organic Research Programme	DE+UK	Contribution to proposal and project
TILMAN ORG tilman-org.net/	2011-2014	CORE II (EU)	Reduced tillage in organic farming	EU	Contribution to proposal and project
INKA-BB (Teilpr. 8) inka-bb.de	2010-2014	BMBF	Variety choice under conditions of climate change	DE	Contribution to project
SOLIBAM solibam.eu	2010-2014	EU FP7	Integration of agronomy and plant breeding	EU	WP-leader (2010-2013)*
QUOATS	2009-2014	DEFRA, UK	Oat breeding and oat variety evaluation	UK	Contribution to project
OSR-weed control	2009-2012	DEFRA, UK	Non-chemical weed control in oil seed rape	UK	Contribution to project
Legume LINK	2008-2011	DEFRA, UK	Optimising species mixtures for green manures	UK	Project leader
Wheat-Breeding LINK	2008-2012	DEFRA, UK	Evolutionary wheat breeding	UK	Project leader (from 2009)
VEHIC	2006-2008	DFG	Host finding behaviour of aphids	PostDoc	Project leader
Visual physiology of the potato beetle	2005-2006	DAAD	Visual physiology of the potato beetle	PostDoc	Project leader
Straw mulch in potatoes	2001-2004	BLE	Straw mulch for virus control in organic seed potatoes	DE	Contribution to proposal, Project leader

*: From April 2013 handed over project leadership because of new job at Humboldt-Universität Berlin

**Type: DE: National German Project; UK: National Project Great Britain; EU: European Project

Reviewing activities (selection)

Conferences and book chapters

German scientific conference on organic farming (Wissenschaftstagung Ökologischer Landbau) (2003, 2015), International symposium on evolutionary breeding (2013), IFOAM Organic World Congress, Korea (2011), Czech conference on organic farming (2011), chapters for German textbook on organic farming (2015)

Journal articles (total: >140 manuscripts in >70 journals)

Acta Phys Plant (1), Acta Scient Polon Hort Cult (1), Afr J Agr Res (1), Agric (2), Agr Forest Ent (3), Agric (2), Agron (2), Agron Sust Dev (2), Agr Syst (1), Ann Appl Biol (14), Ann Entom Soc Am (1), Appl Ener (1), Arch Agron Soil Scie (1), Arthrop Plant Interact (5), BioControl (1), Biol Agr Hort (1), Bull Insectol (1), Can Ent (1), Climate (1), Crop Protect (1), Crop Sci (2), Current Biol (1), Ecol Ent (1), Ecol Indic (1), Ent Exp Appl (2), Ent Gen (12), Envir Entom (1), Envir Health Insights (1), Envir Res Lett (1), Envir Sci Eur (1), Euphytica (2), Eur J Agron (7), Eur J Ent (3), Field Crops Res (5), Front Ecol Evol (1), Front Plant Sci (2), Horticulturae (1), Int J Pest Manag (1), IScience (1), J Agr Envir Ethic (1), J Anim Ecol (1), J Agr Sci (3), J Appl Ent (4), J Cereal Sci (1), J Chem Ecol (1), J Exp Biol (2), J Kulturpfl (2), J Plant Nutr Soil Sci (1), J Plant Prot Res (1), Myrm News (1), Naturwiss (1), New Phytol (1), Nut Cyc Agroeco (1), Oecologia (1), Oikos (1), Org Agr (2), Org Farm (2), Pest Manag Sci (2), Phil Agr Sci (1), Philos Trans Roy Soc (2), Phys Ent (2), Plant Path (1), Plant Soil Env (1), PLoS One (2), Pot Res (7), Scientific Reports (1), Soil Syst (1), Soil Till Res (1) Sustainability (3), Sust Agr Rev (1), Tree Phys (1), Weed Res (2).

Research proposals (funder, year)

German Research Foundation (DFG) (2018, 2019, 2020, 2021), Alexander v. Humboldt Foundation (2019), German Ministry of Agriculture (BLE) (2016), German Protestant Church Scholarship Programme (2015, 2019), German Agency for Renewable Resource (FNR) (2015), German Federal Environmental Foundation (2014), Latvian Science Foundation (2012), Danish Research Programme for Organic Farming (2010), National Geographic Research Fund (2008), Biotechnology and Biological Sciences Research Council (BBSRC, UK) (2007).

Visibility and bibliometric indices

ORCID: 0000-0001-9074-5978

Research Gate (01.06.2022)

https://www.researchgate.net/profile/Thomas_Doering

Research Interest	3,017
Registered publications	231
Research Gate citations	3,286
h-Index	29

Google Scholar (01.06.2022)

<https://scholar.google.com/citations?user=ThomasDöring>

Google Scholar citations	4,013
Google Scholar h-index	30
Google Scholar i10-index	59

Web of Science (01.06.2022)

Publications	72
h-index	25
Number of citations	2,089

Academia.edu (since September 2015)

<https://hu-berlin.academia.edu/ThomasDoering/>

Academic teaching experience: summary

Taught modules. In total I have led over 40 academic modules with >1500 contact hours in various areas of agriculture and ecology. Teaching forms comprised lectures, seminars, exercises in the lab and in the field as well as field trips, in three different countries (Germany, UK, Finland). I have extensive experience in oral and written examinations (with >1,000 examinees). Participants of my modules were first year bachelor students as well as advanced master students and PhD students. The study courses represented by the students I taught comprised Agriculture, Horticulture, Ecology, Biology and Geography.

Theses supervised. Since April 2013 I have supervised over 150 theses covering a multitude of topics including agronomy, crop science, long-term field trials and agro-ecology. Also before 2013 I have supervised several theses at universities in various countries.

List of publications

Refereed journal articles

- 68-Döring TF, Kirchner S. 2022. A model for colour preference behaviour of spring migrant aphids. *Philosophical Transactions B* (accepted) DOI: 10.1098/rstb.2021.0283
- 67-Hett J, Neuhoﬀ D, Döring TF, Masoero G, Ercole E, Bevivino A. 2022. Effect of multi-species microbial inoculants on early wheat growth and litterbag microbial activity. *Agronomy* 12: 899. DOI: 10.3390/agronomy12040899.
- 66-Kemper R, Döring TF, Legner N, Meinen C, Athmann M. 2022. Root traits in cover crop mixtures of blue lupin and winter rye. *Plant and Soil* <https://doi.org/10.1007/s11104-022-05366-9>.
- 65-Demie DT, Döring TF, Finckh MR, Van Der Werf W, Enjalbert J, Seidel SJ. 2022. Mixture × Genotype Effects in Cereal/Legume Intercropping: A Review. *Frontiers in Plant Science* 13: 846720. Doi: 10.3389/fpls.2022.846720
- 64-Bublitz TA, Kemper R, Müller P, Kautz T, Döring TF, Athmann M. 2022. Relating profile wall root-length density estimates to monolith rot-length density measurements of cover crops. *Agronomy* 12 (1), 48
- 63-Döring TF, Elsalahy H. 2022. Quantifying compensation in crop mixtures and monocultures. *European Journal of Agronomy* 132: 126408. DOI: 10.1016/j.eja.2021.126408
- 62-Swoboda P, Hamer M, Stotter M, Döring T, Trimborn M. 2021. Effects of rock powder additions to cattle slurry on ammonia and greenhouse gas emissions. *Atmosphere* 12: 1652. DOI: 10.3390/atmos12121652.
- 61-Swoboda P, Döring TF, Hamer M. 2021. Remineralizing soils? The agricultural usage of silicate rock powders: A review. *Science of The Total Environment* 150976 (in press). DOI: 10.1016/j.scitotenv.2021.150976
- 60-Döring TF, Neuhoﬀ D. 2021. Upper limits to sustainable organic wheat yields. *Scientific Reports* 11:12729; DOI: 10.1038/s41598-021-91940-7
- 59-Luhmer K, Blum H, Kraska T, Döring T, Pude R. 2021. Poppy (*Papaver somniferum* L.) intercropping with spring barley and with white clover – benefits and competitive effects. *Agronomy* 11(5) 948; DOI: 10.3390/agronomy11050948
- 58-Reckling M, Ahrends H, Chen TW, Eugster W, Hadasch S, Knapp S, Laidig F, Linstädter A, Macholdt J, Piepho HP, Schiffers K, Döring TF. 2021. Methods of yield stability analysis in long-term field experiments. A review. *Agronomy for Sustainable Development* DOI 10.1007/s13593-021-00681-4.
- 57-Elsalahy HH, Bellingrath-Kimura SD, Kautz T, Döring TF. 2021. Effects of mixing two legume species at seedling stage under different environmental conditions *PeerJ* 9:e10615. DOI 10.7717/peerj.10615.
- 56-Ahrends HE, Siebert S, Eyshi Rezaei E, Seidel SJ, Hüging H, Ewert F, Döring T, Rueda-Ayala V, Eugster W, Gaiser T. 2020. Nutrient supply affects the stability of major European crops - a 50-year study. *Environmental Research Letters* 16: 014003.
- 55-Kemper, R, Bublitz TA, Müller P, Kautz T, Döring TF, Athmann M. 2020. Vertical root distribution of different cover crops determined with the profile wall method. *Agriculture* 2020 10(11), 503; <https://doi.org/10.3390/agriculture10110503>
- 54-Kwesiga J, Grotelüschen K, Senthilkumar K, Neuhoﬀ D, Döring TF, Becker M. 2020. Effect of organic amendments on the productivity of rainfed lowland rice in the Kilombero floodplain of Tanzania. *Agronomy* 10.9: 1280; DOI: 10.3390/agronomy10091280
- 53-Kwesiga J, Grotelüschen K, Senthilkumar K, Döring TF, Neuhoﬀ D, Becker M. 2020. Rice yield gaps in smallholder systems of the Kilombero floodplain in Tanzania. *Agronomy* 10.8: 1135.
- 52-Elsalahy HH, Bellingrath-Kimura SD, Roß C, Kautz T, Döring TF 2020. Crop resilience to drought with and without response diversity. *Frontiers in Plant Science* 11: 721. DOI: 10.3389/fpls.2020.00721
- 51-Döring TF, Rosslenbroich D, Giese C, Athmann M, Watson C, Vágó I, Kátai J, Tállai M, Bruns C. 2020. Disease suppressive soils vary in resilience to stress. *Applied Soil Ecology* 149, 103482. DOI: 10.1016/j.apsoil.2019.103482
- 50-Knapp S, Döring TF, Jones HE, Snape J, Wingen LU, Wolfe MS, Leverington-Waite M, Griffiths S. 2020. Natural selection towards wild-type in composite cross populations of winter wheat. *Frontiers in Plant Science* 10: 1757; also: <https://www.biorxiv.org/content/10.1101/678938v1>
- 49-Elsalahy H, Döring T, Bellingrath-Kimura S, Arends D. 2019. Weed suppression in only-legume cover crop mixtures. *Agronomy* 9(10), 648. <https://www.mdpi.com/2073-4395/9/10/648>
- 48-Kwesiga J, Grotelüschen K, Neuhoﬀ D, Senthilkumar K, Döring TF, Becker M. 2019. Site and management effects on grain yield and yield variability of rainfed lowland rice in the Kilombero floodplain of Tanzania. *Agronomy* 9(10), 632. <https://www.mdpi.com/2073-4395/9/10/632>
- 47-Kaufmann MS, von Hebel C, Weihermüller L, Baumecker M, Döring T, Schweitzer K, Hobley E, Bauke SL, Amelung W, Vereecken H, van der Kruk J. 2019. Effect of fertilizers and irrigation on multi-configuration electromagnetic induction measurements. *Soil Use and Management*. DOI: 10.1111/sum.12530

- 46-Kátai J, **Döring** T, Tállai M, Balla-Kovács A, Henzsel I, Makádi M, Sándor Z, Vágó I. 2018. Influence of alternative plant nutrition methods on soil microbial characteristics in long-term experiments. *Agrochemistry and Soil Science* 67, 79-90. DOI: 10.1556/0088.2018.67.1.6
- 45-Reckling M, **Döring** TF, Bergkvist G, Stoddard FL, Watson CA, Seddig S, Chmielewski F-M, Bachinger J. 2018. Grain legume yields are as stable as other spring crops in long-term experiments across northern Europe. *Agronomy for Sustainable Development* 38: 63. DOI: 10.1007/s13593-018-0541-3
- 44-**Döring** TF, Reckling M. 2018. Detecting global trends of cereal yield stability by adjusting the coefficient of variation. *European Journal of Agronomy* 99: 30-36.
- 43-**Döring** TF, Storkey J, Baddeley JA, Collins RP, Crowley O, Howlett SA, Jones HE, McCalman H, Measures M, Pearce H, Roderick S, Watson CA, Wolfe MS. 2017. Weeds in organic fertility-building leys: Aspects of species richness and weed management. *Organic Farming* 3:51-65.
- 42-Roberts R, Jackson RW, Tim H Mauchline TH, Hirsch PR, Shaw LZ, **Döring** TF, Jones, HE. Is there sufficient Ensifer and Rhizobium species diversity in UK farmland soils to support red clover (*Trifolium pratense*), white clover (*T. repens*), lucerne (*Medicago sativa*) and black medic (*M. lupulina*)? *Applied Soil Ecology* 120: 35-43.
- 41-Fradgley NS, Creissen HE, Pearce H, Howlett SA, Pearce BD, **Döring** TF, Girling RD. 2017. Weed suppression and tolerance in winter oats. *Weed Technology* 31: 740-751. ISSN 0890-037X (In Press)
- 40-Parmar A, Kirchner S, Langguth H, **Döring** T, Hensel O. 2017. Pest status of boxwood borer *Heterobostrychus brunneus* (Coleoptera: Bostrichidae) in dried cassava in Ethiopia. *Journal of Insect Science* 17:14; 1-8. DOI: 10.1093/jisesa/iew106
- 39-Cooper J, Baranski M, Nobel-de Lange M, Bärberi P, Fließbach A, Peigné J, Berner A, Brock C, Casagrande M, Crowley O, David C, De Vliegheer A, **Döring** TF, Dupont A, Entz M, Grosse M, Haase T, Halde C, Hammerl V, Huiting H, Leithold G, Messmer M, Schloter M, Sukkelo W, van der Heijden MGA, Willekens K, Wittwer R, Mäder P. 2016. Shallow non-inversion tillage in organic farming maintains crop yields and increases soil C stocks: a meta-analysis. *Agronomy for Sustainable Development* 36 DOI: 10.1007/s13593-016-0354-1.
- 38-**Döring** TF, Röhrig K. 2016. Behavioural response of winged aphids to visual contrasts in the field. *Annals of Applied Biology* 168: 421–434.
- 37-**Döring** TF, Knapp S, Cohen J. 2015. Taylor’s Power law and the stability of crop yields. *Field Crops Research* 183: 294–302.
- 36-**Döring** TF, Annicchiarico P, Clarke S, Haigh Z, Jones HE, Pearce H, Snape J, Zhan J, Wolfe MS. 2015. Comparative analysis of performance and stability among composite cross populations, variety mixtures and pure lines of winter wheat in organic and conventional cropping systems. *Field Crops Research* 183: 235–245.
- 35-Storkey JS, **Döring** T, Baddeley J, Collins R, Roderick S, Jones, H., Watson C. 2015. Engineering an ecosystem to deliver multiple services. *Ecological Applications* 25: 1034–1043.
- 34-Reibe K, Götz K, **Döring** TF, Ross CL, Ellmer F, Ruess L 2015. Impact of quality and quantity of biochar and hydrochar on soil Collembola and growth of spring wheat. *Soil Biology and Biochemistry* 83: 84–87.
- 33-Vieweger A, **Döring** TF. 2015. Assessing health in agriculture – towards a common research framework for soils, plants, animals, humans and ecosystems. *Journal of the Science of Food and Agriculture* 95: 438–446.
- 32-**Döring** TF, Vieweger A, Pautasso M, Vaarst M, Finckh MR, Wolfe MS. 2015. Resilience as a universal criterion of health. *Journal of the Science of Food and Agriculture* 95: 455–465.
- 31-Reibe K, Götz K, **Döring** TF, Ross CL, Ellmer F. 2015. Biochar and hydrochar effects on root and shoot growth in spring wheat. *Archives of Agronomy and Soil Science* 61: 1041–1054.
- 30-Klepatzki J, **Döring** TF, Macholdt J, Ellmer F. 2014. Comparing the reliability of maize variety data from on-farm trials and experimental stations. *Journal für Kulturpflanzen* 66: 389–395.
- 29-**Döring** TF. 2014. How aphids find their host plants, and how they don’t. *Annals of Applied Biology* 165: 3–26.
- 28-Kirchner SM, Hiltunen LH, Santala J, **Döring** TF, Ketola J, Kankaala A, Virtanen E, Valkonen JPT 2014. Comparison of straw mulch, insecticides, mineral oil, and birch extract for control of transmission of *Potato virus Y* in seed potato crops. *Potato Research* 57: 59–75.
- 27-Pautasso M, Aistara G, Barnaud A, Caillon S, Clouvel P, Coomes OT, Delêtre M, Demeulenaere E, De Santis P, **Döring** T, Eloy L, Empeaire L, Garine E, Goldringer I, Jarvis D, Joly HI, Leclerc C, Louafi S, Martin P, Massol F, McGuire S, McKey D, Padoch C, Soler C, Thomas M & Tramontini S. 2013. Seed exchange networks for agrobiodiversity conservation. A review. *Agronomy for Sustainable Development* 33: 151-175. doi:10.1007/s13593-012-0089-6.
- 26-Kirchner SM, Hiltunen L, **Döring** TF, Virtanen E, Palohuhta J, Valkonen J. 2013. Seasonal phenology and species composition of the aphid fauna in a northern crop production area. *PLoS One* 8: e71030.
- 25-Cook SM, Skellern MP, **Döring** TF, Pickett JA. 2013. Red oilseed rape? The potential for manipulation of petal colour in control strategies for the pollen beetle (*Meligethes aeneus*) *Arthropod Plant Interactions* 7: 249–258.

- 24-**Döring** TF, Bocci R, Hitchings R, Howlett S A, Lammerts van Bueren E, Pautasso M, Raaijmakers M, Rey F, Stubsgaard A, Weinhappel M, Wilbois K, Winkler LR, Wolfe MS. 2013. The organic seed regulations framework in Europe – current status and recommendations for future development. Organic Agriculture 2: 173–183.
- 23-**Döring** TF, Skellern M, Watts N, Cook S. 2012. Colour choice behaviour in the pollen beetle, *Meligethes aeneus* (Coleoptera: Nitidulidae). Physiological Entomology 37: 360–368
- 22-Pautasso M, **Döring** TF, Garbelotto M, Pellis L Jeger MJ. 2012. Impacts of climate change on plant diseases – opinions and trends. European Journal of Plant Pathology 133: 295-313.
- 21-**Döring** TF, Pautasso M, Finckh MR, Wolfe MS. 2012. Concepts of plant health – reviewing and challenging the foundations of plant protection. Plant Pathology 61: 1–15.
- 20-**Döring** TF. 2011. Potential and limitations of plant virus epidemiology: lessons from the *Potato virus Y* pathosystem. Potato Research 54: 341–354.
- 19-**Döring** TF, Knapp S, Kovacs G, Murphy K., Wolfe MS, 2011. Evolutionary plant breeding in cereals– into a new era. Sustainability 3: 1944–1971.
- 18-Kirchner SM, **Döring** TF, Hiltunen LH, Virtanen E, Valkonen JPT. 2011. Information theory-based model selection for determining the main vector and period of transmission of *Potato virus Y*. Annals of Applied Biology 159: 414–427.
- 17-**Döring** TF, Kirchner SM, Skorupski P, Hardie J. 2011. Spectral sensitivity of the green photoreceptor of winged pea aphids. Physiological Entomology 36: 392–396.
- 16-**Döring** TF, Chittka L. 2011. How human are insects, and does it matter? Formosan Entomologist 31: 85–99.
- 15-**Döring** T F, Spaethe J. 2009. Measurements of eye size and acuity in aphids (Hemiptera: Aphididae). Entomologia Generalis 32: 77–84.
- 14-Archetti M, **Döring** T F, Hagen S B, Hughes N M, Leather S R, Lee D W, Lev-Yadun S, Manetas Y, Ougham HJ, Schaberg PG, Thomas H 2009. Unravelling the evolution of autumn colours – an interdisciplinary approach. Trends in Ecology and Evolution 24: 166–173.
- 13-**Döring** T F, Archetti M, Hardie J. 2009. Autumn leaves seen through herbivore eyes. Proceedings of the Royal Society B 276: 121–127.
- 12-Saucke H, Juergens M, **Döring** T F, Lesemann D E, Fittje S, Vetten H J. 2009. Effect of sowing date and straw mulch on virus incidence and aphid infestation in organically grown faba beans (*Vicia faba* L.). Annals of Applied Biology 154: 239–250.
- 11-Chittka L, **Döring** T F. 2007. Are autumn foliage colours red signals to aphids? PLoS Biology 5: 1640–1644.
- 10-**Döring** T F, Chittka L. 2007. Visual ecology of aphids – a critical review on the role of colours in host finding. Arthropod Plant Interactions 1: 3–16.
- 9-Skorupski P, **Döring** T, Chittka L. 2007. Photoreceptor spectral sensitivity in island and mainland populations of the bumblebee, *Bombus terrestris*. Journal of Comparative Physiology A 193: 485–494.
- 8-**Döring** T, Skorupski P. 2007. Host and non-host leaves in the colour space of the Colorado potato beetle (Coleoptera: Chrysomelidae). Entomologia Generalis 29: 81–95.
- 7-**Döring** T F, Schrader J, Schüler C. 2006. Representation of *Potato Virus Y* control strategies in current and past extension literature. Potato Research 49: 225–239.
- 6-Kirchner S M, **Döring** T F, Saucke H. 2005. Evidence for trichromacy in the green peach aphid, *Myzus persicae* (Sulz.) (Hemiptera: Aphididae). Journal of Insect Physiology 51: 1255–1260.
- 5-**Döring** T F, Brandt M, Heß J, Finckh M, Saucke H. 2005. Effects of straw mulch on yield, weed development, nitrate dynamics and soil erosion in organically grown potatoes. Field Crops Research 94: 238–249.
- 4-**Döring** T F, Kirchner S, Kühne S, Saucke H. 2004. Response of alate aphids to green targets on coloured backgrounds. Entomologia Experimentalis et Applicata 113: 53–62. [P]
- 3-Saucke H, **Döring** T. 2004. *Potato Virus Y* reduction by straw mulch in organic potatoes. Annals of Applied Biology 144: 347–355.
- 2-**Döring** T F, Hiller A, Wehke S, Schulte G, Broll G. 2003. Biotic indicators of carabid species richness on organically and conventionally managed arable fields. Agriculture, Ecosystems and Environment 98: 133–139.
- 1-**Döring** T F, Kromp B. 2003. Which carabid species benefit from organic agriculture? - a review of comparative studies in winter cereals from Germany and Switzerland. Agriculture, Ecosystems and Environment 98: 153–161.

Book chapters

- 14-**Döring** TF. 2022. Naturschutz und Biodiversität. In: Wachendorf M, Bürkert A Graß R, (Eds.) Ökologische Landwirtschaft 2. Auflage. Verlag Eugen Ulmer Stuttgart. pp. 230-235.
- 13-**Döring** TF, Wolfe MS. 2019. Plant Breeding and Genetics in Organic Agriculture. In: Atkinson D, Watson CA (Eds.): The Science Beneath Organic Production. Wiley. DOI: 10.1002/9781119568988.ch13.
- 12-**Döring** TF. 2018. Eco-functional intensification of organic farming. Chapter 15 In: Köpke U (Ed). Improving organic crop cultivation. Burleigh Dodds Science Publishing.

- 11-**Döring** TF, Köpke U. 2018. Organic grassland. In: Marshall A, Collins R (eds). *Improving Grassland and Pasture Management in Temperate Agriculture*. Burleigh Dodds Science Publishing, Cambridge, UK. ISBN: 9781786762009, pp. 437-459.
- 10- **Döring** TF, Lynch DH, 2018. Organic potato cultivation. In: Wale S (Ed). *Achieving Sustainable Cultivation of Potatoes*. Vol. 2 Production and Storage, Crop Protection and Sustainability. Burleigh Dodds Science Publishing. Invited book chapter, under review.
- 9-**Döring**, TF 2017. Kapitel. 1.2.1. Fruchtfolgegestaltung. In: Wachendorf M, Bürkert A Graß R, (Eds.) *Ökologische Landwirtschaft*. Verlag Eugen Ulmer Stuttgart, pp. 21-52.
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