





Jonathan Jeschke's publication list, with [links](#) to PDFs and Supplements

Publications with the following features are highlighted (last update 7 July 2018):

50	100	250	400	≥50, 100, 250, 400 citations, respectively, in the Web of Science
 Highly Cited Paper				Highly cited paper (in the top 1%) according to the Web of Science, considering the research field and publication year
Top 10				In the top 10 of most visited papers of the journal
 Altmetric				Altmetric score ≥100
 F1000Prime RECOMMENDED				Recommended by Faculty of 1000
 nature RESEARCH HIGHLIGHT				Nature Research Highlight

Invasive species and other novel organisms

Essl, F.; Bacher, S.; Genovesi, P.; Hulme, P.E.; **Jeschke, J.M.**; Katsanevakis, S.; Kowarik, I.; Kühn, I.; Pyšek, P.; Rabitsch, W.; Schindler, S.; van Kleunen, M.; Vilà, M.; Wilson, J.R.U.; Richardson, D.M. In press. Which taxa are alien? Criteria, applications, and uncertainties. *BioScience*.

Rabitsch, W.; Heger, T.; **Jeschke, J.M.**; Saul, W.-C. In press. Priorisierung der Pfade nicht vorsätzlicher Einbringung und Ausbreitung invasiver gebietsfremder Arten in Deutschland. *Natur und Landschaft*.

Jeschke, J.M.; Heger, T. (eds.) 2018. *Invasion Biology: Hypotheses and Evidence*. CABI, Wallingford, UK. 188 Pages.

Companion website: **Jeschke, J.M.**; Enders, M.; Bagni, M.; Jeschke, P.; Zimmermann, M.; Heger, T. 2018. Hi-Knowledge.org.

The book includes the following chapters that I co-authored:

Chapter 2: Heger, T.; **Jeschke, J.M.** The hierarchy-of-hypotheses approach. Pages 14-18.

Chapter 6: Heger, T.; **Jeschke, J.M.** The hierarchy-of-hypotheses approach updated - a toolbox for structuring and analysing theory, research and evidence. Pages 38-45.

Chapter 7: Enders, M.; **Jeschke, J.M.** A network of invasion hypotheses. Pages 49-59.

Chapter 8: **Jeschke, J.M.**; Debille, S.; Lortie, C.J. Biotic resistance and island susceptibility hypotheses. Pages 60-70.

Chapter 9: Nordheimer, R.; **Jeschke, J.M.** Disturbance hypothesis. Pages 71-78.

Chapter 10: Braga, R.R.; Gómez Aparicio, L.; Heger, T.; Vitule, J.R.S.; **Jeschke, J.M.** Invasional meltdown hypothesis. Pages 79-91.

Chapter 11: Heger, T.; **Jeschke, J.M.** Enemy release hypothesis. Pages 92-102.

Chapter 13: **Jeschke, J.M.**; Pyšek, P. Tens rule. Pages 124-132.

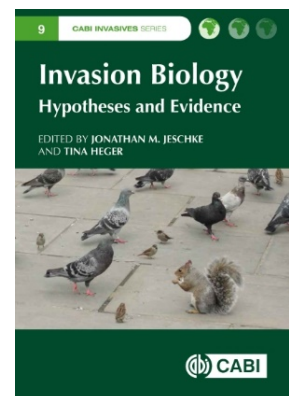
Chapter 14: Torchyk, O.; **Jeschke, J.M.** Phenotypic plasticity hypothesis. Pages 133-139.





Chapter 15: **Jeschke, J.M.**; Erhard, F. Darwin's naturalization & limiting similarity hypotheses. Pages 140-146.

Chapter 16: **Jeschke, J.M.**; Starzer, J. Propagule pressure hypothesis. Pages 147-153.

Chapter 17: **Jeschke, J.M.**; Heger, T. Synthesis. Pages 157-166.

Chapter 18: Heger, T.; **Jeschke, J.M.** Conclusions and outlook. Pages 167-172.






- Bacher, S.; Blackburn, T.M.; Essl, F.; Genovesi, P.; Heikkilä, J.; **Jeschke, J.M.**; Jones, G.; Keller, R.; Kenis, M.; Kueffer, C.; Martinou, A.F.; Nentwig, W.; Pergl, J.; Pyšek, P.; Rabitsch, W.; Richardson, D.M.; Roy, H.E.; Saul, W.-C.; Scalera, R.; Vilà, M.; Wilson, J.R.U.; Kumschick, S. 2018. Socio-economic impact classification of alien taxa (SEICAT). *Methods in Ecology and Evolution* 9, 159-168.
- Bellard, C.; **Jeschke, J.M.**; Leroy, B.; Mace, G.M. 2018. Insights from modelling studies on how climate change affects invasive alien species geography. *Ecology and Evolution* 8, 5688-5700.
- Braga, R.R.; Gómez-Aparicio, L.; Heger, T.; Vitule, J.R.S.; **Jeschke, J.M.** 2018. Structuring evidence for invasional meltdown: broad support but with biases and gaps. *Biological Invasions* 20, 923-936.
- Enders, M.; Hütt, M.-T.; **Jeschke, J.M.** 2018. Drawing a map of invasion biology based on a network of hypotheses. *Ecosphere* 9, e02146.
- Rabitsch, W.; Heger, T.; **Jeschke, J.M.**; Saul, W.-C.; Nehring, S. 2018. Analyse und Priorisierung der Pfade nicht vorsätzlicher Einbringung und Ausbreitung invasiver gebietsfremder Arten in Deutschland gemäß Verordnung (EU) Nr. 1143/2014. Analysis and prioritisation of pathways of unintentional introduction and spread of invasive alien species in Germany in accordance with Regulation (EU) No 1143/2014. *BfN-Skripten* 490, 1-103.
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-  **Highly Cited Paper** Courchamp, F.; Fournier, A.; Bellard, C.; Bertelsmeier, C.; Bonnaud, E.; **Jeschke, J.M.**; Russell, J.C. 2017. Invasion biology: specific problems and possible solutions. *Trends in Ecology & Evolution* 32, 13-22.
- Essl, F.; Hulme, P.E.; **Jeschke, J.M.**; Keller, R.; Pyšek, P.; Richardson, D.M.; Saul, W.-C.; Bacher, S.; Dullinger, S.; Estévez, R.A.; Kueffer, C.; Roy, H.E.; Seebens, H.; Rabitsch, W. 2017. Scientific and normative foundations for the valuation of alien species impacts: thirteen core principles. *BioScience* 67, 166-178.
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- Penk, M.; Saul, W.-C.; Dick, J.T.A.; Donohue, I.; Alexander, M.E.; Linzmaier, S.; **Jeschke, J.M.** 2017. A trophic interaction framework for identifying the invasive capacity of novel organisms. *Methods in Ecology and Evolution* 8, 1786-1794.
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- Pergl, J.; Pyšek, P.; Bacher, S.; Essl, F.; Genovesi, P.; Harrower, C.A.; Hulme, P.E.; **Jeschke, J.M.**; Kenis, M.; Kühn, I.; Perglová, I.; Rabitsch, W.; Roques, A.; Roy, D.B.; Roy, H.E.; Vilà, M.; Winter, M.; Nentwig, W. 2017. Troubling travellers: are ecologically harmful alien species associated with particular introduction pathways? *NeoBiota* 32, 1-20.
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- 50** **Top 10** Keller, R.P.; Geist, J.; **Jeschke, J.M.**; Kühn, I. 2011. Invasive species in Europe: ecology, status, and policy. *Environmental Sciences Europe* 23, 23.
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[Phylogeny](#)

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Predators and their prey, consumers and their food

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