










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

Publications with the following features are highlighted (last update 3 Feb 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	Included 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

[Jeschke, J.M.; Heger, T. \(eds.\) In press.](#)

Invasion Biology: Hypotheses and Evidence. CABI, Wallingford, UK.

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

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

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

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

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

Chapter 9: Nordheimer, R.; **Jeschke, J.M.** Disturbance hypothesis.

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

Chapter 11: Heger, T.; **Jeschke, J.M.** Enemy release hypothesis.

Chapter 13: **Jeschke, J.M.**; Pyšek, P. Tens rule.

Chapter 14: Torchyk, O.; **Jeschke, J.M.** Phenotypic plasticity hypothesis.

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

Chapter 16: **Jeschke, J.M.**; Starzner, J. Propagule pressure hypothesis.

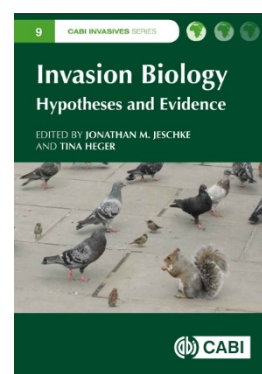
Chapter 17: **Jeschke, J.M.**; Heger, T. Synthesis.

Chapter 18: Heger, T.; **Jeschke, J.M.** Conclusions and outlook.

[Braga, R.R.; Gómez-Aparicio, L.; Heger, T.; Vitule, J.R.S.; **Jeschke, J.M.** In press. Structuring evidence for invasional meltdown: broad support but with biases and gaps. *Biological Invasions*.](#)


[Enders, M.; Hütt, M.-T.; **Jeschke, J.M.** In press. Drawing a map of invasion biology based on a network of hypotheses. *Ecosphere*.](#)

[Seebens, H.; Blackburn, T.M.; Dyer, E.E.; Genovesi, P.; Hulme, P.E.; **Jeschke, J.M.**; Pagad, S.; Pyšek, P.; van Kleunen, M.; Winter, M.; Arianoutsou, M.; Bacher, S.; Blasius, B.; Brockerhoff, E.G.; Brundu,](#)



G.; Capinha, C.; Causton, C.E.; Celesti-Gradow, L.; Dawson, W.; Dullinger, S.; Economo, E.P.; Fuentes, N.; Guénard, B.; Jäger, H.; Kartesz, J.; Kenis, M.; Kühn, I.; Lenzner, B.; Liebhold, A.; Mosen, A.; Moser, D.; Nentwig, W.; Nishino, M.; Pearman, D.; Pergl, J.; Rabitsch, W.; Rojas-Sandoval, J.; Roques, A.; Rorke, S.; Rossinelli, S.; Roy, H.E.; Scalera, R.; Schindler, S.; Štajerová, K.; Tokarska-Guzik, B.; Walker, K.; Ward, D.F.; Yamanaka, T.; Essl, F. In press. The global rise in emerging alien species results from increased accessibility of new source pools. *Proceedings of the National Academy of Sciences USA*.

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.

 **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.

 **Highly Cited Paper** Latombe, G.; Pyšek, P.; **Jeschke, J.M.**; Blackburn, T.M.; Bacher, S.; Capinha, C.; Costello, M.J.; Fernández, M.; Gregory, R.D.; Hobern, D.; Hui, C.; Jetz, W.; Kumschick, S.; McGrannachan, C.; Pergl, J.; Roy, H.E.; Scalera, R.; Squires, Z.E.; Wilson, J.R.U.; Winter, M.; Genovesi, P.; McGeoch, M.A. 2017. A vision for global monitoring of biological invasions. *Biological Conservation* 213, 295-308.

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.

This paper was selected for the Virtual Issue *Biodiversity and Ecosystem Services* of the British Ecological Society jointly with the Ecological Society of America and (published August 2017).

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.

 **Altmetric** Ricciardi, A.; Blackburn, T.M.; Carlton, J.T.; Dick, J.T.A.; Hulme, P.E.; Iacarella, J.C.; **Jeschke, J.M.**; Liebhold, A.M.; Lockwood, J.L.; MacIsaac, H.J.; Pyšek, P.; Richardson, D.M.; Ruiz, G.M.; Simberloff, D.; Sutherland, W.J.; Wardle, D.A.; Aldridge, D.C. 2017. Invasion science: a horizon scan of emerging challenges and opportunities. *Trends in Ecology & Evolution* 32, 464-474.

Ricciardi, A.; Blackburn, T.M.; Carlton, J.T.; Dick, J.T.A.; Hulme, P.E.; Iacarella, J.C.; **Jeschke, J.M.**; Liebhold, A.M.; Lockwood, J.L.; MacIsaac, H.J.; Pyšek, P.; Richardson, D.M.; Ruiz, G.M.; Simberloff,

D.; Sutherland, W.J.; Wardle, D.A.; Aldridge, D.C. 2017. Invasion science: looking forward rather than revisiting old ground – a reply to Zenni *et al.* *Trends in Ecology & Evolution* 32, 809-810.

Saul, W.-C.; Roy, H.E.; Booy, O.; Carnevali, L.; Chen, H.-J.; Genovesi, P.; Harrower, C.A.; Hulme, P.E.; Pagad, S.; Pergl, J.; **Jeschke, J.M.** 2017. Assessing patterns in introduction pathways of alien species by linking major invasion data bases. *Journal of Applied Ecology* 54, 657-669.

This paper was selected for the Virtual Issue *Invasive Species* (published March 2017) of the British Ecological Society.



Altmetric



Highly Cited Paper



Seebens, H.; Blackburn, T.M.; Dyer, E.E.; Genovesi, P.; Hulme, P.E.; **Jeschke, J.M.**; Pagad, S.; Pyšek, P.; Winter, M.; Arianoutsou, M.; Bacher, S.; Blasius, B.; Brundu, G.; Capinha, C.; Celesti-Grapow, L.; Dawson, W.; Dullinger, S.; Fuentes, N.; Jäger, H.; Kartesz, J.; Kenis, M.; Kreft, H.; Kühn, I.; Lenzner, B.; Liebhold, A.; Mosena, A.; Moser, D.; Nishino, M.; Pearman, D.; Pergl, J.; Rabitsch, W.; Rojas-Sandoval, J.; Roques, A.; Rorke, S.; Rossinelli, S.; Roy, H.E.; Scalera, R.; Schindler, S.; Štajerová, K.; Tokarska-Guzik, B.; van Kleunen, M.; Walker, K.; Weigelt, P.; Yamanaka, T.; Essl, F. 2017. No saturation in the accumulation of alien species worldwide. *Nature Communications* 8, 14435.

Strayer, D.L.; D'Antonio, C.M.; Essl, F.; Fowler, M.S.; Geist, J.; Hilt, S.; Jarić, I.; Jöhnk, K.; Jones, C.G.; Lambin, X.; Latzka, A.W.; Pergl, J.; Pyšek, P.; Robertson, P.; von Schmalensee, M.; Stefansson, R.A.; Wright, J.; **Jeschke, J.M.** 2017. Boom-bust dynamics in biological invasions: towards an improved application of the concept. *Ecology Letters* 20, 1337-1350.

Yannelli, F.; Koch, C.; **Jeschke, J.M.**; Kollmann, J. 2017. Limiting similarity and Darwin's naturalization hypothesis: understanding the drivers of biotic resistance against invasive plant species. *Oecologia* 183, 775-784.



Bellard, C.; Genovesi, P.; **Jeschke, J.M.** 2016. Global patterns in threats to vertebrates by biological invasions. *Proceedings of the Royal Society B* 283, 20152454.

Bellard, C.; **Jeschke, J.M.** 2016. A spatial mismatch between invader impacts and research publications. *Conservation Biology* 30, 230-232.

Koch, C.; **Jeschke, J.M.**; Overbeck, G.E.; Kollmann, J. 2016. Setting priorities for monitoring and managing non-native plants: towards a practical approach. *Environmental Management* 58, 465-475.

Penk, M.; **Jeschke, J.M.**; Minchin, D.; Donohue, I. 2016. Warming can enhance invasion success through asymmetries in energetic performance. *Journal of Animal Ecology* 85, 419-426.


This paper was selected for the Virtual Issues *Invasive Species* (March 2017) and *Ecology and Evolution in Ireland* (November 2016) of the British Ecological Society.

50 Essl, F.; Bacher, S.; Blackburn, T.; Booy, O.; Brundu, G.; Brunel, S.; Cardoso, A.-C.; Eschen, R.; Gallardo, B.; Galil, B.; García-Barthou, E.; Genovesi, P.; Groom, Q.; Harrower, C.; Hulme, P.E.; Katsanevakis, S.; Kenis, M.; Kühn, I.; Kumschick, S.; Martinou, A.F.; Nentwig, W.; O'Flynn, C.; Pagad, S.; Pergl, J.; Pyšek, P.; Rabitsch, W.; Richardson, D.M.; Roques, A.; Roy, H.E.; Scalera, R.; Schindler, S.; Seebens, H.; Vanderhoeven, S.; Vilà, M.; Wilson, J.R.U.; Zenetos, A.; **Jeschke, J.M.** 2015. Crossing frontiers in tackling pathways of biological invasions. *BioScience* 65, 769-782.

González-Suárez, M.; Bacher, S.; **Jeschke, J.M.** 2015. Intraspecific trait variation is correlated with establishment success of alien mammals. *American Naturalist* 185, 737-746.


Hawkins, C.L.; Bacher, S.; Essl, F.; Hulme, P.E.; **Jeschke, J.M.**; Kühn, I.; Kumschick, S.; Nentwig, W.; Pergl, J.; Pyšek, P.; Rabitsch, W.; Richardson, D.M.; Vilà, M.; Wilson, J.R.U.; Genovesi, P.; Blackburn, T.M. 2015. Framework and guidelines for implementing the proposed IUCN Environmental Impact Classification for Alien Taxa (EICAT). *Diversity and Distributions* 21, 1360-1363.

Heger, T.; Haider, S.; Saul, W.-C.; **Jeschke, J.M.** 2015. Species from different taxonomic groups show similar invasion traits. *Immediate Science Ecology* 3, 1-13.



50  **Highly Cited Paper** Kumschick, S.; Gaertner, M.; Vilà, M.; Essl, F.; **Jeschke, J.M.**; Pyšek, P.; Ricciardi, A.; Bacher, S.; Blackburn, T.M.; Dick, J.T.A.; Evans, T.; Hulme, P.E.; Kühn, I.; Mrugała, A.; Pergl, J.; Rabitsch, W.; Richardson, D.M.; Sendek, A.; Winter, M. 2015. Ecological impacts of alien species: quantification, scope, caveats, and recommendations. *BioScience* 65, 55-63.

Saul, W.-C.; **Jeschke, J.M.** 2015. Eco-evolutionary experience in novel species interactions. *Ecology Letters* 18, 236-245.

Jeschke, J.M. 2014. General hypotheses in invasion ecology. *Diversity and Distributions* 20, 1229-1234.

50  **Highly Cited Paper** **Jeschke, J.M.**; Bacher, S.; Blackburn, T.M.; Dick, J.T.A.; Essl, F.; Evans, T.; Gaertner, M.; Hulme, P.E.; Kühn, I.; Mrugała, A.; Pergl, J.; Pyšek, P.; Rabitsch, W.; Ricciardi, A.; Richardson, D.M.; Sendek, A.; Vilà, M.; Winter, M.; Kumschick, S. 2014. Defining the impact of non-native species. *Conservation Biology* 28, 1188-1194.

This article received the *Conservation Biology* Award for the most highly cited paper published in *Conservation Biology* in 2014, considering citations in 2015 and 2016.

100  **Highly Cited Paper**  Blackburn, T.M.; Essl, F.; Evans, T.; Hulme, P.E.; **Jeschke, J.M.**; Kühn, I.; Kumschick, S.; Marková, Z.; Mrugała, A.; Nentwig, W.; Pergl, J.; Pyšek, P.; Rabitsch, W.; Ricciardi, A.; Richardson, D.M.; Sendek, A.; Vilà, M.; Wilson, J.R.U.; Winter, M.; Genovesi, P.; Bacher, S. 2014. A unified classification of alien species based on the magnitude of their environmental impacts. *PLoS Biology* 12, e1001850.

Dana, E.D.; **Jeschke, J.M.**; García-de-Lomas, J. 2014. Decision tools for managing biological invasions: existing biases and future needs. *Oryx* 48, 56-63.

Heger, T.; **Jeschke, J.M.** 2014. The enemy release hypothesis as a hierarchy of hypotheses. *Oikos* 123, 741-750.

Platt, V.; **Jeschke, J.M.** 2014. Are exotic species red queens? *Ethology Ecology & Evolution* 26, 101-111.

Wittmann, M.J.; Metzler, D.; Gabriel, W.; **Jeschke, J.M.** 2014. Decomposing propagule pressure: the effects of propagule size and propagule frequency on invasion success. *Oikos* 123, 441-450.

Jeschke, J.M. 2013. Invasion ecology. *Basic and Applied Ecology* 14, 713.

Jeschke, J.M.; Keesing, F.; Ostfeld, R.S. 2013. Novel organisms: comparing invasive species, GMOs, and emerging pathogens. *Ambio* 42, 541-548.

Heger, T.; Pahl, A.T.; Botta-Dukat, Z.; Gherardi, F.; Hoppe, C.; Hoste, I.; Jax, K.; Lindström, L.; Boets, P.; Haider, S.; Kollmann, J.; Wittmann, M.J.; **Jeschke, J.M.** 2013. Conceptual frameworks and methods for advancing invasion ecology. *Ambio* 42, 527-540.

- Kollmann, J.; Heger, T.; **Jeschke, J.** 2013. Auswirkungen von Neobiota auf die Biodiversität – eine Frage des Maßstabs, der Artengruppen und ökologischen Mechanismen [Impacts of alien species on biodiversity – a question of scale, taxonomic groups, and ecological mechanisms]. *Berichte der Reinhold-Tüxen-Gesellschaft* 25, 123-131.
- Larson, B.M.H.; Kueffer, C.; **ZiF Working Group on Ecological Novelty.** 2013. Managing invasive species amidst high uncertainty and novelty. *Trends in Ecology & Evolution* 28, 255-256.
- Mason, G.; Burn, C.C.; Dallaire, J.A.; Kroshko, J.; McDonald Kinkaid, H.; **Jeschke, J.M.** 2013. Plastic animals in cages: behavioural flexibility and responses to captivity. *Animal Behaviour* 85, 1113-1126.
- Saul, W.-C.; **Jeschke, J.M.**; Heger, T. 2013. The role of eco-evolutionary experience in invasion success. *NeoBiota* 17, 57-74.
- Wittmann, M.J.; Gabriel, W.; Harz, E.-M.; Laforsch, C.; **Jeschke, J.M.** 2013. Can *Daphnia lumholtzi* invade European lakes? *NeoBiota* 16, 39-57.
- Jeschke, J.M.**; Gómez Aparicio, L.; Haider, S.; Heger, T.; Lortie, C.J.; Pyšek, P.; Strayer, D.L. 2012. Taxonomic bias and lack of cross-taxonomic studies in invasion biology. *Frontiers in Ecology and the Environment* 10, 349-350.
- 50 Top 10** **Jeschke, J.M.**; Gómez Aparicio, L.; Haider, S.; Heger, T.; Lortie, C.J.; Pyšek, P.; Strayer, D.L. 2012. Support for major hypotheses in invasion biology is uneven and declining. *NeoBiota* 14, 1-20.
- Jeschke, J.M.** 2011. Range modeling. In: Simberloff, D.; Rejmánek, M. (eds.). *Encyclopedia of Biological Invasions*, pp. 568-571. University of California Press, Berkeley.
- Jeschke, J.M.** 2011. What we know and don't know about invasive vertebrates in Europe. *Julius-Kühn-Archiv* 432, 12-13.
- Jeschke, J.M.**; Genovesi, P. 2011. Do biodiversity and human impact influence the introduction or establishment of alien mammals? *Oikos* 120, 57-64.
- Engel, K.; Tollrian, R.; **Jeschke, J.M.** 2011. Integrating biological invasions, climate change and phenotypic plasticity. *Communicative & Integrative Biology* 4, 247-250.
- 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.
- Kollmann, J.; **Jeschke, J.M.** 2011. Fifty years of Invasion Ecology – The Legacy of Charles Elton. *Basic and Applied Ecology* 12, 554.
- Top 10** Kühn, I.; Kowarik, I.; Kollmann, J.; Starfinger, U.; Bacher, S.; Blackburn, T.M.; Bustamante, R.O.; Celesti-Grapow, L.; Chytrý, M.; Colautti, R.I.; Essl, F.; Foxcroft, L.C.; García-Berthou, E.; Gollasch, S.; Hierro, J.; Hufbauer, R.A.; Hulme, P.E.; Jarošík, V.; **Jeschke, J.M.**; Karrer, G.; Mack, R.N.; Molofsky, J.; Murray, B.R.; Nentwig, W.; Osborne, B.; Pyšek, P.; Rabitsch, W.; Rejmánek, M.; Roques, A.; Shaw, R.; Sol, D.; van Kleunen, M.; Vilà, M.; von der Lippe, M.; Wolfe, L.M.; Penev, L. 2011. Open minded and open access: introducing NeoBiota, a new peer-reviewed journal of biological invasions. *NeoBiota* 9, 1-12.
- 50** Simberloff, D. ... **Jeschke, J.M.** ... 2011. Non-natives: 141 scientists object. *Nature* 475, 36.
- Wittenborn, D.; **Jeschke, J.M.** 2011. Characteristics of exotic ants in North America. *NeoBiota* 10, 47-64.

- Jeschke, J.M.** 2010. Invasive Species Management: A Handbook of Principles and Techniques. *Basic and Applied Ecology* 11, 558-559.
- Carlsson, N.O.L.; **Jeschke, J.M.**; Holmqvist, N.; Kindberg, J. 2010. Long-term data on invaders: when the fox is away, the mink will play. *Biological Invasions* 12, 633-641.
- 100**  **Highly Cited Paper** van Kleunen, M.; Dawson, W.; Schlaepfer, D.; **Jeschke, J.M.**; Fischer, M. 2010. Are invaders different? A conceptual framework of comparative approaches for assessing determinants of invasiveness. *Ecology Letters* 13, 947-958.
- Jeschke, J.M.** 2009. Across islands and continents, mammals are more successful invaders than birds (Reply to Rodriguez-Cabal *et al.*). *Diversity and Distributions* 15, 913-914.
- Jeschke, J.M.** 2009. Biological Invasions in Marine Ecosystems: Ecological, Management, and Geographic Perspectives. *Basic and Applied Ecology* 10, 580.
- Jeschke, J.M.** 2009. Biological Invaders in Inland Waters: Profiles, Distribution, and Threats. *Basic and Applied Ecology* 10, 486.
- Blackburn, T.M.; **Jeschke, J.M.** 2009. Invasion success and threat status: two sides of a different coin? *Ecography* 32, 83-88.
- Jeschke, J.M.** 2008. Across islands and continents, mammals are more successful invaders than birds. *Diversity and Distributions* 14, 913-916.
- 100** **Jeschke, J.M.**; Strayer, D.L. 2008. Usefulness of bioclimatic models for studying climate change and invasive species. *The Year in Ecology and Conservation Biology 2008. Annals of the New York Academy of Sciences* 1134, 1-24.
- Jeschke, J.M.**; Strayer, D.L. 2008. Are threat status and invasion success two sides of the same coin? *Ecography* 31, 124-130.
- Perkins, S.E.; Altizer, S.; Bjornstad, O.; Burdon, J.J.; Clay, K.; Gómez-Aparicio, L.; **Jeschke, J.M.**; Johnson, P.T.J.; Lafferty, K.D.; Malmstrom, C.M.; Martin, P.; Power, A.; Strayer, D.L.; Thrall, P.H.; Uriarte, M. 2008. Invasion biology and parasitic infections. In: Ostfeld, R.S.; Keesing, F.; Eviner, V.T. (eds.). *Infectious Disease Ecology: Effects of Ecosystems on Disease and of Disease on Ecosystems*, pp. 179-204. Princeton Univ. Press, Princeton, New Jersey.
- Jeschke, J.** 2006. Ehrengäste außer Kontrolle – Eingeführte Arten: ein unterschätztes Problem [Guests of honor out of control - Introduced species: an underestimated problem]. *raum&zeit* 141, 58-64.
- 100** **Jeschke, J.M.**; Strayer, D.L. 2006. Determinants of vertebrate invasion success in Europe and North America. *Global Change Biology* 12, 1608-1619.
- [Dataset](#)
- [Phylogeny](#)
- 400** Strayer, D.L.; Eviner, V.T.; **Jeschke, J.M.**; Pace, M.L. 2006. Understanding the long-term effects of species invasions. *Trends in Ecology & Evolution* 21, 645-651.
- 100** **Jeschke, J.M.**; Strayer, D.L. 2005. Invasion success of vertebrates in Europe and North America. *Proceedings of the National Academy of Sciences USA* 102, 7198-7202.

Predators and their prey, consumers and their food

- Dick, J.T.A.; Alexander, M.E.; Ricciardi, A.; Lavery, C.; Downey, P.O.; Xu, M.; **Jeschke, J.M.**; Saul, W.-C.; Hill, M.P.; Wasserman, R.; Barrios-O'Neill, D.; Weyl, O.L.F.; Shaw, R.H. 2017. Functional responses can unify invasion ecology. *Biological Invasions* 19, 1667-1672.
- Dick, J.T.A.; Alexander, M.E.; Ricciardi, A.; Lavery, C.; Downey, P.O.; Xu, M.; **Jeschke, J.M.**; Saul, W.-C.; Hill, M.P.; Wasserman, R.; Barrios-O'Neill, D.; Weyl, O.L.F.; Shaw, R.H. 2017. Fictional responses from Vonesh et al. *Biological Invasions* 19, 1677-1678.
- 50** Dick, J.T.A.; Alexander, M.E.; **Jeschke, J.M.**; Ricciardi, A.; MacIsaac, H.J.; Robinson, T.B.; Kumschick, S.; Weyl, O.L.F.; Dunn, A.M.; Hatcher, M.J.; Paterson, R.A.; Farnsworth, K.D.; Richardson, D.M. 2014. Advancing impact prediction and hypothesis testing in invasion ecology using a comparative functional response approach. *Biological Invasions* 16, 735-753.
- Jeschke, J.M.** 2013. A thorough view of foodwebs. *BioScience* 63, 769-770.
- Jeschke, J.M.** 2011. The wolf's tooth: keystone predators, trophic cascades, and biodiversity. *Basic and Applied Ecology* 12, 477.
- Jeschke, J.M.** 2008. Predation in Organisms. *Basic and Applied Ecology* 9, 614.
- Jeschke, J.M.**; Hohberg, K. 2008. Predicting and testing functional responses: an example from a tardigrade-nematode system. *Basic and Applied Ecology* 9, 145-151.
- Jeschke, J.M.**; Laforsch, C.; Tollrian, R. 2008. Animal prey defenses. In: Jørgensen, S.E.; Fath, B.D. (eds.). *Encyclopedia of Ecology*, pp. 189-194. Elsevier, Oxford.
- Jeschke, J.M.** 2007. When carnivores are "full and lazy". *Oecologia* 152, 357-364.
- Jeschke, J.M.**; Tollrian, R. 2007. Prey swarming: which predators become confused and why? *Animal Behaviour* 74, 387-393.
- Jensen, C.X.J.; **Jeschke, J.M.**; Ginzburg, L.R. 2007. A direct, experimental test of resource vs. consumer dependence: comment. *Ecology* 88, 1600-1602.
- Jeschke, J.M.** 2006. Density-dependent effects of prey defenses and predator offenses. *Journal of Theoretical Biology* 242, 900-907.
- Jeschke, J.M.**; Kopp, M. Tollrian, R. 2006. Time and energy constraints: reply to Nolet & Klaassen (2005). *Oikos* 114, 553-554.
- Jeschke, J.M.**; Tollrian, R. 2005. Effects of predator confusion on functional responses. *Oikos* 111, 547-555.
- Jeschke, J.M.**; Tollrian, R. 2005. Predicting herbivore feeding times. *Ethology* 111, 187-206.
- [Figure 3](#)
- 100** **Jeschke, J.M.**; Kopp, M.; Tollrian, R. 2004. Consumer-food systems: why type I functional responses are exclusive to filter feeders. *Biological Reviews* 79, 337-349.
- [Supplement](#)
- Jeschke, J.M.**; Quillen, L.M. 2004. Only the clever survive: prey use 5 methods to outsmart their predators. *Poughkeepsie Journal* 15.2., 7B.
- 250** **Jeschke, J.M.**; Kopp, M.; Tollrian, R. 2002. Predator functional responses: discriminating between handling and digesting prey. *Ecological Monographs* 72, 95-112.

50 Jeschke, J.M.; Tollrian, R. 2000. Density-dependent effects of prey defences. *Oecologia* 123, 391-396.

Other topics

Lokatis, S.; **Jeschke, J.M.** In press. The island rule: an assessment of biases and research trends. *Journal of Biogeography*.

Kalinkat, G.; Jähnig, S.C.; **Jeschke, J.M.** 2017. Exceptional body size-extinction risk relations shed new light on the freshwater biodiversity crisis. *Proceedings of the National Academy of Sciences USA* 114, E10263-E10264.

Tockner, K.; **Jeschke, J.** 2017. Freie und unabhängige Wissenschaft: Fundament aufgeklärter Gesellschaften. In: Hösele, H.; Wieser, L. (eds.): *Europa.USA.3.0: Werte.Interessen.Perspektiven*, pp. 199-213. Wieser Verlag, Klagenfurt.

Tockner, K.; **Jeschke, J.** 2017. Wissenschaft in Umbruchszeiten. *Laborjournal* 7-8/2017, 16-17.


Kalinkat, G.; Cabral, J.S.; Darwall, W.; Ficetola, G.F.; Fisher, J.L.; Giling, D.; Gosselin, M.-P.; Grossart, H.-P.; Jähnig, S.C.; **Jeschke, J.M.**; Knopf, K.; Larsen, S.; Onandia, G.; Paetzig, M.; Saul, W.-S.; Singer, G.; Sperfeld, E.; Jarić, I. 2017. Flagship umbrella species needed for the conservation of overlooked aquatic biodiversity. *Conservation Biology* 31, 481-485.

Ruland, F.; **Jeschke, J.M.** 2017. Threat-dependent traits of endangered frogs. *Biological Conservation* 206, 310-313.

Jeschke, J.M.; Kaushal, S.S.; Tockner, K. 2016. Diversifying skills and promoting teamwork in science. *Eos* 97, DOI:10.1029/2016EO049417.

Kaushal, S.S.; Tripler, C.E.; **Jeschke, J.M.** 2016. Avoiding an ecological midlife crisis: remembering the joy. *Bulletin of the Ecological Society of America* 97, 28-30.

Utz, M.; **Jeschke, J.M.**; Loeschcke, V.; Gabriel, W. 2014. Phenotypic plasticity with instantaneous but delayed switches. *Journal of Theoretical Biology* 340, 60-72.

 Kaushal, S.S.; **Jeschke, J.M.** 2013. Collegiality versus competition: how metrics shape scientific communities. *BioScience* 63, 155-156.

Jeschke, J.M.; Haider, S. 2012. G. Evelyn Hutchinson and the Invention of Modern Ecology. The Art of Ecology: Writings of G. Evelyn Hutchinson. *Basic and Applied Ecology* 13, 484.

Jeschke, J.; Peller, E. 2011. Von r-Strategen und K-Strategen sowie schnellen und langsamen Lebenszyklen [Of r-strategists and K-strategists, and fast and slow life histories]. In: Dreesmann, D.; Graf, D.; Witte, K. (eds.). *Evolutionsbiologie - Moderne Themen für den Unterricht*, pp. 95-113. Spektrum Akademischer Verlag, Heidelberg.

Uhlmann, S.S.; **Jeschke, J.M.** 2011. Comparing factors associated with total and dead sooty shearwater bycatch in New Zealand trawl fisheries. *Biological Conservation* 144, 1859-1865.

Jeschke, J. 2009. Ist das Leben vorbestimmt? Ist freier Wille eine Illusion? [Is life predetermined? Is free will an illusion?]. *Universitas online*. www.heidelberger-lese-zeiten-verlag.de/online.htm

Jeschke, J.M.; Kokko, H. 2009. The roles of body size and phylogeny in fast and slow life histories. *Evolutionary Ecology* 23, 867-878.

- Jeschke, J.M.**; Gabriel, W.; Kokko, H. 2008. *r*-strategists / *K*-strategists. In: Jørgensen, S.E.; Fath, B.D. (eds.). *Encyclopedia of Ecology*, pp. 3113-3122. Elsevier, Oxford.
- Jeschke, J.M.**; Kokko, H. 2008. Mortality and other determinants of bird divorce rate. *Behavioral Ecology and Sociobiology* 63, 1-9.
- Mayer, F.W.; Duewel, S.; Haas, A.; Naumann, M.; Jantzen, C.; **Jeschke, J.M.**; Wild, C. 2008. COREweb, a web-based information management solution for experimental data from the field of coral reef ecology. *Proceedings of the 11th International Coral Reef Symposium*, Session number 16.
- Jeschke, J.M.**; Wanless, S.; Harris, M.P.; Kokko, H. 2007. How partnerships end in guillemots *Uria aalge*: chance events, adaptive change, or forced divorce? *Behavioral Ecology* 18, 460-466.
- Jeschke, J.** 2006. Der Weg der Nachhaltigkeit [The path of sustainability]. *Universitas online*. www.heidelberger-lese-zeiten-verlag.de/online.htm
- Smith, M.F.; Eviner, V.T.; Weathers, K.; Uriarte, M.; Ewing, H.; **Jeschke, J.M.**; Groffman, P.; Jones, C.G. 2005. Creating individual awareness about Responsible Conduct in Research: A case study of one institution's approach for researchers and administrators. *Journal of Research Administration* 36, 21-25.
- Jeschke, J.** 2004. Das Gute und das Böse. Warum Menschen moralisch sind [Good and evil: why people are moral]. *Universitas online*. www.heidelberger-lese-zeiten-verlag.de/online.htm. Also published on the website of Forum46, an interdisciplinary forum for Europe: www.forum46.net.
- Urhahne, D.; **Jeschke, J.**; Krombaß, A.; Harms, U. 2004. The validation of questionnaire data on interest in animals and plants with log files. *Zeitschrift für Pädagogische Psychologie* 18, 213-219.
- Harms, U.; Neidl, M.; **Jeschke, J.** 2003. Einfluss von Kontext und Lerntätigkeit auf das Interesse von Schülerinnen und Schülern der 11. Jahrgangsstufe am Thema Molekulargenetik [The influence of context and learning activity on students' interest in molecular genetics]. In: Bauer, A.; Bayrhuber, H.; Bittner, A.; Bögeholz, S.; Gehlhaar, K.-H.; Harms, U.; Horn, F.; Hößle, C.; Kattmann, U.; Krüger, D.; Lehnert, H.-J.; Keiner, K.; Lude, A.; Mayer, J.; Pechtl, H.; Retzlaff-Fürst, C.; Sandmann, A.; Schlüter, K.; Schmitt-Scheerso, A.; Upmeier zu Belzen, A.; Vogt, H.; Ziemek, H.-P. *Entwicklung von Wissen und Kompetenzen im Biologieunterricht: Internationale Tagung der Sektion Biologiedidaktik im VdBiol - Berlin, 14. bis 19. September 2003*, pp. 163-166. IPN, Kiel.
- Schreilechner, P.; Krombass, A.; Urhahne, D.; **Jeschke, J.**; Harms, U. 2002. Multimediales Lernen im Naturkundemuseum Dornbirn: Das EU-Projekt „TREBIS“ – Informationen über Artenvielfalt und Ökologie [Multimedia learning in Dornbirn's natural history museum: the EU-project 'TREBIS' – information on biodiversity and ecology]. In: Umweltdachverband (ed.). *Leben in Hülle und Fülle: Vielfältige Wege zur Biodiversität*, pp. 119-122. FORUM Umweltbildung, Wien.
- Kopp, M.; **Jeschke, J.M.**; Gabriel, W. 2001. Exact compensation of stream drift as an evolutionarily stable strategy. *Oikos* 92, 522-530.