



Die 50 meist zitierten UFZ-Publikationen aus dem Bereich der Naturwissenschaften

Quelle: Clarivate Analytics („Web of Science“, „ISI-zitiert“)

Stand: 25.04.2019, erstellt von: Ilka Rudolf

1.

[Global pollinator declines: trends, impacts and drivers](#)

By: [Potts, Simon G.](#); [Biesmeijer, Jacobus C.](#); [Kremen, Claire](#); et al.

[TRENDS IN ECOLOGY & EVOLUTION](#) Volume: 25 Issue: 6 Pages: 345-353 Published: JUN 2010

Times Cited: [1,664](#)

(from Web of Science Core Collection)

2.

[Collinearity: a review of methods to deal with it and a simulation study evaluating their performance](#)

By: [Dormann, Carsten F.](#); [Elith, Jane](#); [Bacher, Sven](#); et al.

[ECOGRAPHY](#) Volume: 36 Issue: 1 Pages: 27-46 Published: JAN 2013

Times Cited: [1,640](#)

(from Web of Science Core Collection)

3.

[Methods to account for spatial autocorrelation in the analysis of species distributional data: a review](#)

By: [Dormann, Carsten F.](#); [McPherson, Jana M.](#); [Araujo, Miguel B.](#); et al.

[ECOGRAPHY](#) Volume: 30 Issue: 5 Pages: 609-628 Published: OCT 2007

Times Cited: [1,508](#)

(from Web of Science Core Collection)

4.

[Animal species diversity driven by habitat heterogeneity/diversity: the importance of keystone structures](#)

By: [Tews, J.](#); [Brose, U.](#); [Grimm, V.](#); et al.

[JOURNAL OF BIOGEOGRAPHY](#) Volume: 31 Issue: 1 Pages: 79-92 Published: JAN 2004

Times Cited: [1,217](#)

(from Web of Science Core Collection)

5.

[Parallel declines in pollinators and insect-pollinated plants in Britain and the Netherlands](#)

By: [Biesmeijer, J. C.](#); [Roberts, S. P. M.](#); [Reemer, M.](#); et al.

[SCIENCE](#) Volume: 313 Issue: 5785 Pages: 351-354 Published: JUL 21 2006

Times Cited: [1,203](#)

(from Web of Science Core Collection)

6.

[A standard protocol for describing individual-based and agent-based models](#)

By: [Grimm, Volker](#); [Berger, Uta](#); [Bastiansen, Finn](#); et al.

[ECOLOGICAL MODELLING](#) Volume: 198 Issue: 1-2 Pages: 115-126 Published: SEP 15 2006

Times Cited: [1,181](#)

(from Web of Science Core Collection)

7.

[Pattern-oriented modeling of agent-based complex systems: Lessons from ecology](#)

By: [Grimm, V](#); [Revilla, E](#); [Berger, U](#); et al.

[SCIENCE](#) Volume: 310 Issue: 5750 Pages: 987-991 Published: NOV 11 2005

Times Cited: [1,003](#)

(from Web of Science Core Collection)

8.

[TRY - a global database of plant traits](#)

By: [Kattge, J](#); [Diaz, S](#); [Lavorel, S](#); et al.

[GLOBAL CHANGE BIOLOGY](#) Volume: 17 Issue: 9 Pages: 2905-2935 Published: SEP 2011

Times Cited: [968](#)

(from Web of Science Core Collection)

9.

[The ODD protocol A review and first update](#)

By: [Grimm, Volker](#); [Berger, Uta](#); [DeAngelis, Donald L](#); et al.

[ECOLOGICAL MODELLING](#) Volume: 221 Issue: 23 Pages: 2760-2768 Published: NOV 24 2010

Times Cited: [924](#)

(from Web of Science Core Collection)

10.

[Determinants of woody cover in African savannas](#)

By: [Sankaran, M](#); [Hanan, NP](#); [Scholes, RJ](#); et al.

[NATURE](#) Volume: 438 Issue: 7069 Pages: 846-849 Published: DEC 8 2005

Times Cited: [896](#)

(from Web of Science Core Collection)

11.

[Economic valuation of the vulnerability of world agriculture confronted with pollinator decline](#)

By: [Gallai, Nicola](#); [Salles, Jean-Michel](#); [Settele, Josef](#); et al.

[ECOLOGICAL ECONOMICS](#) Volume: 68 Issue: 3 Pages: 810-821 Published: JAN 15 2009

Times Cited: [813](#)

(from Web of Science Core Collection)

12.

[A comparison of the performance of nine soil organic matter models using datasets from seven long-term experiments](#)

By: [Smith, P](#); [Smith, JU](#); [Powlson, DS](#); et al.

[GEODERMA](#) Volume: 81 Issue: 1-2 Pages: 153-225 Published: DEC 1997

Times Cited: [699](#)

(from Web of Science Core Collection)

13.

[The LEDA Traitbase: a database of life-history traits of the Northwest European flora](#)

By: [Kleyer, M.](#); [Bekker, R. M.](#); [Knevel, I. C.](#); et al.

[JOURNAL OF ECOLOGY](#) Volume: 96 Issue: 6 Pages: 1266-1274 Published: NOV 2008

Times Cited: [689](#)

(from Web of Science Core Collection)

14.

[An endogenous tumour-promoting ligand of the human aryl hydrocarbon receptor](#)

By: [Opitz, Christiane A.](#); [Litzenburger, Ulrike M.](#); [Sahm, Felix](#); et al.

[NATURE](#) Volume: 478 Issue: 7368 Pages: 197-203 Published: OCT 13 2011

Times Cited: [670](#)

(from Web of Science Core Collection)

15.

[SELEX-A \(r\)evolutionary method to generate high-affinity nucleic acid ligands](#)

By: [Stoltenburg, Regina](#); [Reinemann, Christine](#); [Strehlitz, Beate](#)

[BIOMOLECULAR ENGINEERING](#) Volume: 24 Issue: 4 Pages: 381-403 Published: OCT 2007

Times Cited: [670](#)

(from Web of Science Core Collection)

16.

[Sex Differences in the Gut Microbiome Drive Hormone-Dependent Regulation of Autoimmunity](#)

By: [Markle, Janet G. M.](#); [Frank, Daniel N.](#); [Mortin-Toth, Steven](#); et al.

[SCIENCE](#) Volume: 339 Issue: 6123 Pages: 1084-1088 Published: MAR 1 2013

Times Cited: [637](#)

(from Web of Science Core Collection)

17.

[Landscape moderation of biodiversity patterns and processes - eight hypotheses](#)

By: [Tscharntke, Teja](#); [Tylianakis, Jason M.](#); [Rand, Tatyana A.](#); et al.

[BIOLOGICAL REVIEWS](#) Volume: 87 Issue: 3 Pages: 661-685 Published: AUG 2012

Times Cited: [619](#)

(from Web of Science Core Collection)

18.

[Phenotypic and genetic differentiation between native and introduced plant populations](#)

By: [Bossdorf, O](#); [Auge, H](#); [Lafuma, L](#); et al.

[OECOLOGIA](#) Volume: 144 Issue: 1 Pages: 1-11 Published: JUN 2005

Times Cited: [617](#)

(from Web of Science Core Collection)

19.

[Characterising performance of environmental models](#)

By: [Bennett, Neil D.](#); [Croke, Barry F. W.](#); [Guariso, Giorgio](#); et al.

[ENVIRONMENTAL MODELLING & SOFTWARE](#) Volume: 40 Pages: 1-20 Published: FEB 2013

Times Cited: [610](#)

(from Web of Science Core Collection)

20.

[The EPS matrix: The "House of Biofilm cells"](#)

By: [Flemming, Hans-Curt](#); [Neu, Thomas R.](#); [Wozniak, Daniel J.](#)

[JOURNAL OF BACTERIOLOGY](#) Volume: 189 Issue: 22 Pages: 7945-7947 Published: NOV 2007

Times Cited: [598](#)

(from Web of Science Core Collection)

21.

[Rings, circles, and null-models for point pattern analysis in ecology](#)

By: [Wiegand, T](#); [Moloney, KA](#)

[OIKOS](#) Volume: 104 Issue: 2 Pages: 209-229 Published: FEB 2004

Times Cited: [585](#)

(from Web of Science Core Collection)

22.

[Alien species in a warmer world: risks and opportunities](#)

By: [Walther, Gian-Reto](#); [Roques, Alain](#); [Hulme, Philip E.](#); et al.

[TRENDS IN ECOLOGY & EVOLUTION](#) Volume: 24 Issue: 12 Pages: 686-693 Published: DEC 2009

Times Cited: [580](#)

(from Web of Science Core Collection)

23.

[A new generation of climate-change experiments: events, not trends](#)

By: [Jentsch, Anke](#); [Kreyling, Juergen](#); [Beierkuhnlein, Carl](#)

[FRONTIERS IN ECOLOGY AND THE ENVIRONMENT](#) Volume: 5 Issue: 7 Pages: 365-374 Published: SEP 2007

Times Cited: [576](#)

(from Web of Science Core Collection)

24.

[Ten years of individual-based modelling in ecology: what have we learned and what could we learn in the future?](#)

By: [Grimm, V](#)

[ECOLOGICAL MODELLING](#) Volume: 115 Issue: 2-3 Pages: 129-148 Published: FEB 15 1999

Times Cited: [544](#)

(from Web of Science Core Collection)

25.

[Predictors of species sensitivity to fragmentation](#)

By: [Henle, K](#); [Davies, KF](#); [Kleyer, M](#); et al.

[BIODIVERSITY AND CONSERVATION](#) Volume: 13 Issue: 1 Pages: 207-251 Published: JAN 2004

Times Cited: [539](#)

(from Web of Science Core Collection)

26.

[Effects of plants and microorganisms in constructed wetlands for wastewater treatment](#)

By: [Stottmeister, U](#); [Wiessner, A](#); [Kuschik, P](#); et al.

[BIOTECHNOLOGY ADVANCES](#) Volume: 22 Issue: 1-2 Pages: 93-117 Published: DEC 2003

Times Cited: [522](#)

(from Web of Science Core Collection)

27.

[How well do we understand the impacts of alien species on ecosystem services? A pan-European, cross-taxa assessment](#)

By: [Vila, Montserrat](#); [Basnou, Corina](#); [Pysek, Petr](#); et al.

Group Author(s): DAISIE Partners

[FRONTIERS IN ECOLOGY AND THE ENVIRONMENT](#) Volume: 8 Issue: 3 Pages: 135-144 Published: APR 2010

Times Cited: [485](#)

(from Web of Science Core Collection)

28.

[The role of biotic interactions in shaping distributions and realised assemblages of species: implications for species distribution modelling](#)

By: [Wisz, Mary Susanne](#); [Pottier, Julien](#); [Kissling, W. Daniel](#); et al.

[BIOLOGICAL REVIEWS](#) Volume: 88 Issue: 1 Pages: 15-30 Published: FEB 2013

Times Cited: [478](#)

(from Web of Science Core Collection)

29.

[Epigenetics for ecologists](#)

By: [Bossdorf, Oliver](#); [Richards, Christina L.](#); [Pigliucci, Massimo](#)

[ECOLOGY LETTERS](#) Volume: 11 Issue: 2 Pages: 106-115 Published: FEB 2008

Times Cited: [457](#)
(from Web of Science Core Collection)

30.

[New guidelines for delta C-13 measurements](#)

By: [Coplen, TB](#); [Brand, WA](#); [Gehre, M](#); et al.

[ANALYTICAL CHEMISTRY](#) Volume: 78 Issue: 7 Pages: 2439-2441 Published: APR 1 2006

Times Cited: [434](#)
(from Web of Science Core Collection)

31.

[A quantitative review of ecosystem service studies: approaches, shortcomings and the road ahead](#)

By: [Seppelt, Ralf](#); [Dormann, Carsten F.](#); [Eppink, Florian V.](#); et al.

[JOURNAL OF APPLIED ECOLOGY](#) Volume: 48 Issue: 3 Pages: 630-636 Published: JUN 2011

Times Cited: [428](#)
(from Web of Science Core Collection)

32.

[Grasping at the routes of biological invasions: a framework for integrating pathways into policy](#)

By: [Hulme, P. E.](#); [Bacher, S.](#); [Kenis, M.](#); et al.

[JOURNAL OF APPLIED ECOLOGY](#) Volume: 45 Issue: 2 Pages: 403-414 Published: APR 2008

Times Cited: [423](#)
(from Web of Science Core Collection)

33.

[Significance of bacterial surface-active compounds in interaction of bacteria with interfaces](#)

By: [Neu, TR](#)

[MICROBIOLOGICAL REVIEWS](#) Volume: 60 Issue: 1 Pages: 151-+ Published: MAR 1996

Times Cited: [415](#)
(from Web of Science Core Collection)

34.

[Rhizosphere: biophysics, biogeochemistry and ecological relevance](#)

By: [Hinsinger, Philippe](#); [Bengough, A. Glyn](#); [Vetterlein, Doris](#); et al.

[PLANT AND SOIL](#) Volume: 321 Issue: 1-2 Pages: 117-152 Published: AUG 2009

Times Cited: [412](#)
(from Web of Science Core Collection)

35.

[Ecological networks - beyond food webs](#)

By: [Ings, Thomas C.](#); [Montoya, Jose M.](#); [Bascompte, Jordi](#); et al.

[JOURNAL OF ANIMAL ECOLOGY](#) Volume: 78 Issue: 1 Pages: 253-269 Published: JAN 2009

Times Cited: [412](#)
(from Web of Science Core Collection)

36.

[The IPBES Conceptual Framework - connecting nature and people](#)

By: [Diaz, Sandra](#); [Demissew, Sebsebe](#); [Carabias, Julia](#); et al.

[CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY](#) Volume: 14 Pages: 1-16 Published: JUN 2015

Times Cited: [408](#)
(from Web of Science Core Collection)

37.

[Invasive plant suppresses the growth of native tree seedlings by disrupting belowground mutualisms](#)

By: [Stinson, Kristina A.](#); [Campbell, Stuart A.](#); [Powell, Jeff R.](#); et al.

[PLOS BIOLOGY](#) Volume: 4 Issue: 5 Pages: 727-731 Article Number: e140 Published: MAY 2006

Times Cited: [386](#)
(from Web of Science Core Collection)

38.

[Babel, or the ecological stability discussions: An inventory and analysis of terminology and a guide for avoiding confusion](#)

By: [Grimm, V.](#); [Wissel, C](#)

[OECOLOGIA](#) Volume: 109 Issue: 3 Pages: 323-334 Published: FEB 1997

Times Cited: [384](#)
(from Web of Science Core Collection)

39.

[Review article 'Assessment of economic flood damage'](#)

By: [Merz, B.](#); [Kreibich, H.](#); [Schwarze, R.](#); et al.

[NATURAL HAZARDS AND EARTH SYSTEM SCIENCES](#) Volume: 10 Issue: 8 Pages: 1697-1724 Published: 2010

Times Cited: [373](#)
(from Web of Science Core Collection)

40.

[Focusing the meaning\(s\) of resilience: Resilience as a descriptive concept and a boundary object](#)

By: [Brand, Fridolin Simon](#); [Jax, Kurt](#)

[ECOLOGY AND SOCIETY](#) Volume: 12 Issue: 1 Article Number: 23 Published: JUN 2007

Times Cited: [371](#)
(from Web of Science Core Collection)

41.

[Bottom-up effects of plant diversity on multitrophic interactions in a biodiversity experiment](#)

By: [Scherber, Christoph](#); [Eisenhauer, Nico](#); [Weisser, Wolfgang W.](#); et al.

[NATURE](#) Volume: 468 Issue: 7323 Pages: 553-556 Published: NOV 25 2010

Times Cited: [365](#)
(from Web of Science Core Collection)

42.

[Influence of spring and autumn phenological transitions on forest ecosystem productivity](#)

By: [Richardson, Andrew D.](#); [Black, T. Andy](#); [Ciais, Philippe](#); et al.

[PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES](#) Volume: 365 Issue: 1555 Pages: 3227-3246 Published: OCT 12 2010

Times Cited: [361](#)
(from Web of Science Core Collection)

43.

[Anthropogenic perturbation of the carbon fluxes from land to ocean](#)

By: [Regnier, Pierre](#); [Friedlingstein, Pierre](#); [Ciais, Philippe](#); et al.

[NATURE GEOSCIENCE](#) Volume: 6 Issue: 8 Pages: 597-607 Published: AUG 2013

Times Cited: [359](#)
(from Web of Science Core Collection)

44.

[Indirect land-use changes can overcome carbon savings from biofuels in Brazil](#)

By: [Lapola, David M.](#); [Schaldach, Ruediger](#); [Alcamo, Joseph](#); et al.

[PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA](#) Volume: 107 Issue: 8 Pages: 3388-3393 Published: FEB 23 2010

Times Cited: [357](#)
(from Web of Science Core Collection)

45.

[Implementing large-scale and long-term functional biodiversity research: The Biodiversity Exploratories](#)

By: [Fischer, Markus](#); [Bossdorf, Oliver](#); [Gockel, Sonja](#); et al.

[BASIC AND APPLIED ECOLOGY](#) Volume: 11 Issue: 6 Pages: 473-485 Published: 2010

Times Cited: [357](#)
(from Web of Science Core Collection)

46.

[Complete nitrification by Nitrospira bacteria](#)

By: [Daims, Holger](#); [Lebedeva, Elena V.](#); [Pjevac, Petra](#); et al.

[NATURE](#) Volume: 528 Issue: 7583 Pages: 504-+ Published: DEC 24 2015

Times Cited: [350](#)
(from Web of Science Core Collection)

47.

[The mycorrhiza helper bacteria revisited](#)

By: [Frey-Klett, P.](#); [Garbaye, J.](#); [Tarkka, M.](#)

[NEW PHYTOLOGIST](#) Volume: 176 Issue: 1 Pages: 22-36 Published: 2007

Times Cited: [344](#)
(from Web of Science Core Collection)

48.

[Analyzing effects of pesticides on invertebrate communities in streams](#)

By: [Liess, M.](#); [von der Ohe, PC](#)

[ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY](#) Volume: 24 Issue: 4 Pages: 954-965 Published: APR 2005

Times Cited: [343](#)
(from Web of Science Core Collection)

49.

[Indicators for biodiversity in agricultural landscapes: a pan-European study](#)

By: [Billeter, R.](#); [Liira, J.](#); [Bailey, D.](#); et al.

[JOURNAL OF APPLIED ECOLOGY](#) Volume: 45 Issue: 1 Pages: 141-150 Published: FEB 2008

Times Cited: [342](#)

(from Web of Science Core Collection)

50.

[Alien flora of Europe: species diversity, temporal trends, geographical patterns and research needs](#)

By: [Lambdon, Philip W.](#); [Pysek, Petr](#); [Basnou, Corina](#); et al.

[PRESLIA](#) Volume: 80 Issue: 2 Pages: 101-149 Published: JUN 2008

Times Cited: [331](#)

(from Web of Science Core Collection)