

Appendix. Regression analysis of number of citations per paper and publication year for 70 ecological journals. Presented values include the regression coefficient (r^2), slope of the regression line, standard error associated with the slope and the number of papers in the data set. The data were collected using the ISI Web of Science and span a 10-year period from 1998 through 2007. Also included are the proportion of papers published in 2007 that were reviews, the 2007 impact factor (IF), and the mean yearly change in the impact factor.

Journal	r^2	Slope	SE	N	Prop. Reviews	IF	ΔIF^a
Acta Oecologica	0.019	0.76	0.22	596	0.01	1.31	0.04 (-)
Advances in Ecological Research	0.032	-5.22	3.08	89		1.08	-0.60 (-)
Agriculture Ecosystems & Environments	0.004	0.64	0.26	1633	0.04	2.31	0.22 (-)
American Naturalist	0.003	0.54	0.27	1517	0.06	4.54	0.12 (-)
Animal Conservation	0.017	1.12	0.45	356	0.02	2.50	0.25 (+)
Annual Review of Eco. Evol. & Syst.	0.067	-6.90	2.30	131	1.00	10.3	1.04 (+)
Applied Vegetation Science	0.017	0.95	0.49	224	0.00	1.43	0.14 (-)
Aquatic Microbial Ecology	0.004	0.39	0.19	987	0.01	2.39	0.07 (-)
Austral Ecology	0.006	0.75	0.38	616	0.07	1.67	0.09 (-)
Behavioral Ecology	0.004	0.54	0.24	1190	0.01	3.02	0.14 (-)
Behavioral Ecology and Sociobiology	0.000	0.00	0.34	1382	0.05	2.75	0.03 (-)
Biodiversity and Conservation	0.001	0.31	0.22	1533	0.04	1.42	0.09 (-)
Biological Conservation	0.039	1.78	0.18	2467	0.07	3.30	0.31 (+)
Biotropica	0.022	1.00	0.23	810	0.01	1.70	0.24 (+)
Bulletin of the Am. Mus. of Nat. History	0.000	1.91	8.33	117	0.67	16.4	3.36 (+)
Chemoecology	0.004	0.52	0.54	245	0.00	1.25	0.01 (-)
Conservation Biology	0.002	0.37	0.19	1666	0.02	3.93	0.16 (-)
Conservation Ecology	0.109	7.96	2.14	116	-	-	-
Diversity and Distributions	0.032	-2.13	0.74	256	0.02	2.97	0.29 (+)
Ecography	0.017	0.99	0.27	772	0.01	3.07	0.35 (+)
Ecological Applications	0.002	0.54	0.34	1560	0.04	3.57	0.18 (-)
Ecological Complexity	0.002	2.00	5.64	81	0.23	1.66	0.13 (-)
Ecological Economics	0.012	0.94	0.20	1876	0.02	1.55	0.08 (-)
Ecology Letters	0.110	3.59	0.31	1039	0.13	8.20	1.00 (+)
Ecological Modelling	0.016	1.17	0.17	2589	0.04	2.08	0.13 (-)
Ecological Monographs	0.022	-2.17	0.84	285	0.34	8.12	0.83 (+)
Ecology	0.038	-1.72	0.15	2962	0.01	4.82	0.28 (+)
Écoscience	0.006	0.62	0.31	604	0.02	1.33	0.08 (-)
Ecosystems	0.000	-0.01	0.35	634	0.06	2.60	-0.16 (-)
Ecotoxicology	0.012	1.11	0.44	511	0.14	2.41	0.23 (=)
Evolution	0.012	1.07	0.21	2315	0.12	4.50	0.17 (-)
Evolutionary Ecology	0.008	0.67	0.35	436	0.04	2.91	0.22 (-)
Evolutionary Ecology Research	0.005	0.65	0.32	713	0.01	1.41	-0.04 (-)
Frontiers in Ecology & the Environ.	0.032	-2.13	0.74	256	0.35	4.27	0.30 (+)
Functional Ecology	0.041	1.43	0.20	1078	0.10	3.16	0.20 (-)
Global Change Biology	0.013	1.11	0.26	1299	0.25	4.79	0.16 (-)
Global Ecology and Biogeography	0.007	0.78	0.43	473	0.04	4.44	0.60 (+)
Journal of Animal Ecology	0.001	-0.18	0.22	1078	0.00	3.75	0.23 (=)
Journal of Applied Ecology	0.008	0.66	0.22	1038	0.02	4.22	0.25 (+)

Journal of Biogeography	0.001	0.42	0.32	1240	0.08	3.54	0.36 (+)
Journal of Chemical Ecology	0.007	0.52	0.15	1824	0.00	1.94	0.07 (-)
Journal of Ecology	0.001	0.33	0.32	981	0.03	4.42	0.40 (+)
Journal of Evolutionary Biology	0.014	0.99	0.22	1310	0.05	3.92	0.23 (=)
J. of Experimental Marine Bio. & Eco.	0.006	0.65	0.18	2284	0.03	1.75	0.04 (-)
Journal of Soil & Water Conservation	0.016	0.81	0.27	589	0.03	1.08	0.06 (-)
J. of the North Am. Benthological Soc.	0.010	0.76	0.32	542	0.02	2.22	-0.04 (-)
Journal of Tropical Ecology	0.000	-0.03	0.26	701	0.00	1.37	0.10 (-)
Journal of Vegetation Science	0.000	-0.02	0.22	924	0.01	2.25	0.15 (-)
Journal of Wildlife Management	0.007	0.56	0.16	1595	0.01	1.53	0.01 (-)
Landscape Ecology	0.015	0.92	0.28	636	0.05	2.06	0.25 (+)
Landscape and Urban Planning	0.103	2.10	0.21	896	0.04	1.63	0.18 (-)
Marine Ecology Progressive Series	0.000	-0.22	0.12	4980	0.02	2.55	0.10 (-)
Microbial Ecology	0.005	0.53	0.23	957	0.01	2.56	0.06 (-)
Molecular Ecology	0.214	4.14	0.14	3195	0.06	5.17	0.32 (+)
Molecular Ecology Notes	0.041	0.52	0.06	1851	0.00	1.26	0.03 (-)
Northeastern Naturalist	0.002	-0.46	0.54	336	0.00	0.54	0.08 (-)
Oecologia	0.011	0.65	0.11	2987	0.01	2.97	-0.04 (-)
Oikos	0.002	0.42	0.19	2355	0.03	3.14	0.25 (+)
Oryx	0.000	0.01	0.29	425	0.03	1.04	-0.05 (-)
Paleobiology	0.000	0.63	0.99	390	0.26	3.23	0.39 (+)
Perspectives in Plant Eco., Evol. & Sys.	0.012	3.25	3.35	77	0.33	3.05	0.30 (+)
Plant Ecology	0.007	0.61	0.20	1282	0.01	1.24	0.06 (-)
Polar Biology	0.018	1.00	0.21	1223	0.01	1.73	0.10 (-)
Population Ecology	0.001	0.27	0.61	256	0.00	1.31	0.09 (-)
Restoration Ecology	0.001	0.24	0.26	626	0.04	1.93	0.27 (+)
Theoretical Population Biology	0.006	0.56	0.30	599	0.00	1.95	-0.08 (-)
Trends in Ecology & Evolution	0.118	2.64	0.28	678	0.79	14.8	0.59 (+)
Wetlands	0.000	-0.10	0.35	784	0.00	0.97	-0.08 (-)
Wildlife Monographs	0.160	7.09	2.91	32	1.00	3.90	0.58 (+)
Wildlife Society Bulletin	0.008	0.75	0.23	1227	-	0.95	-0.04 (-)

^a Mean change in impact factor per year based on the past five years, [IF(2007) – IF(2003)] / 5 years. Proportion of reviews and impact factor data were unavailable for some journals. The symbols in parentheses denote an increase (+), decrease (-) or a change equivalent (=) to the observed inflation rate in impact factor of 0.23.