Lawrence W Sheppard

List of Publications by Year
in descending order

22 papers	554 citations	840776 11 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	579 citing authors

#	Article	IF	Citations
1	The geography of spatial synchrony. Ecology Letters, 2017, 20, 801-814.	6.4	116
2	Changes in large-scale climate alter spatial synchrony of aphid pests. Nature Climate Change, 2016, 6, 610-613.	18.8	98
3	Climate changeâ€related regime shifts have altered spatial synchrony of plankton dynamics in the North Sea. Global Change Biology, 2016, 22, 2069-2080.	9.5	66
4	Synchrony is more than its top-down and climatic parts: interacting Moran effects on phytoplankton in British seas. PLoS Computational Biology, 2019, 15, e1006744.	3.2	33
5	Synchrony affects Taylorâ€™s law in theory and data. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6788-6793.	7.1	32
6	Copulas and their potential for ecology. Advances in Ecological Research, 2020, 62, 409-468.	2.7	22
7	The dependence of synchrony on timescale and geography in freshwater plankton. Limnology and Oceanography, 2019, 64, 483-502.	3.1	18
8	The long and the short of it: Mechanisms of synchronous and compensatory dynamics across temporal scales. Ecology, 2022, 103, e3650.	3.2	18
9	Weather and regional crop composition variation drive spatial synchrony of lepidopteran agricultural pests. Ecological Entomology, 2020, 45, 573-582.	2.2	17
10	Disturbance and nutrients synchronise kelp forests across scales through interacting Moran effects. Ecology Letters, 2022, 25, 1854-1868.	6.4	15
11	A new variance ratio metric to detect the timescale of compensatory dynamics. Ecosphere, 2020, 11, e03114.	2.2	14
12	Synchronous effects produce cycles in deer populations and deerâ€vehicle collisions. Ecology Letters, 2021, 24, 337-347.	6.4	13
13	Selfâ€organizing cicada choruses respond to the local sound and light environment. Ecology and Evolution, 2020, 10, 4471-4482.	1.9	11
14	Rapid surrogate testing of wavelet coherences. EPJ Nonlinear Biomedical Physics, 2017, 5, 1.	0.8	11
15	A new approach to interspecific synchrony in population ecology using tail association. Ecology and Evolution, 2020, 10, 12764-12776.	1.9	10
16	Microâ€scale geography of synchrony in a serpentine plant community. Journal of Ecology, 2021, 109, 750-762.	4.0	10
17	The effects of dispersal on spatial synchrony in metapopulations differ by timescale. Oikos, 2021, 130, 1762-1772.	2.7	10
18	Tailâ€dependent spatial synchrony arises from nonlinear driverâ€“response relationships. Ecology Letters, 2022, 25, 1189-1201.	6.4	10

#	Article	IF	Citations
19	Proximate determinants of Taylor's law slopes. Journal of Animal Ecology, 2019, 88, 484-494.	2.8	9
20	Tail associations in ecological variables and their impact on extinction risk. Ecosphere, 2020, 11, e03132.	2.2	8
21	Periodic synchronisation of dengue epidemics in Thailand over the last 5 decades driven by temperature and immunity. PLoS Biology, 2022, 20, e3001160.	5.6	8
22	Intraspecific variation in migration timing of green sturgeon in the Sacramento River system. Ecosphere, 2022, 13, .	2.2	5