Paul M Cryan

List of Publications by Year
in descending order

55 papers	5,582 citations	117625 34 h-index	168389 53 g-index
58 all docs	58 docs citations	58 times ranked	4619 citing authors

#	Article	IF	Citations
1	Economic Importance of Bats in Agriculture. Science, 2011, 332, 41-42.	12.6	599
2	A comparison of bats and rodents as reservoirs of zoonotic viruses: are bats special?. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122753.	2.6	508
3	Experimental infection of bats with Geomyces destructans causes white-nose syndrome. Nature, 2011, 480, 376-378.	27.8	413
4	Inoculation of bats with European Geomyces destructans supports the novel pathogen hypothesis for the origin of white-nose syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6999-7003.	7.1	351
5	Bat Flight and Zoonotic Viruses. Emerging Infectious Diseases, 2014, 20, 741-745.	4.3	269
6	Multiple mortality events in bats: a global review. Mammal Review, 2016, 46, 175-190.	4.8	240
7	Wing pathology of white-nose syndrome in bats suggests life-threatening disruption of physiology. BMC Biology, 2010, 8, 135.	3.8	232
8	SEASONAL DISTRIBUTION OF MIGRATORY TREE BATS (LASIURUS AND LASIONYCTERIS) IN NORTH AMERICA. Journal of Mammalogy, 2003, 84, 579-593.	1.3	221
9	Causes of Bat Fatalities at Wind Turbines: Hypotheses and Predictions. Journal of Mammalogy, 2009, 90, 1330-1340.	1.3	177
10	White-nose syndrome initiates a cascade of physiologic disturbances in the hibernating bat host. BMC Physiology, 2014, 14, 10.	3.6	167
11	Behavior of bats at wind turbines. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15126-15131.	7.1	152
12	Pathophysiology of white-nose syndrome in bats: a mechanistic model linking wing damage to mortality. Biology Letters, 2013, 9, 20130177.	2.3	150
13	White-Nose Syndrome Fungus (Geomyces destructans) in Bats, Europe. Emerging Infectious Diseases, 2010, 16, 1237-1243.	4.3	144
14	STABLE HYDROGEN ISOTOPE ANALYSIS OF BAT HAIR AS EVIDENCE FOR SEASONAL MOLT AND LONG-DISTANCE MIGRATION. Journal of Mammalogy, 2004, 85, 995-1001.	1.3	132
15	Possibility for reverse zoonotic transmission of SARS-CoV-2 to free-ranging wildlife: A case study of bats. PLoS Pathogens, 2020, 16, e1008758.	4.7	127
16	Migration of bats past a remote island offers clues toward the problem of bat fatalities at wind turbines. Biological Conservation, 2007, 139, 1-11.	4.1	125
17	Sex differences in the thermoregulation and evaporative water loss of a heterothermic bat,Lasiurus cinereus,during its spring migration. Journal of Experimental Biology, 2003, 206, 3381-3390.	1.7	124
18	Investigating and Managing the Rapid Emergence of White-Nose Syndrome, a Novel, Fatal, Infectious Disease of Hibernating Bats. Conservation Biology, 2011, 25, no-no.	4.7	115

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19	Electrolyte Depletion in White-nose Syndrome Bats. Journal of Wildlife Diseases, 2013, 49, 398-402.	0.8	94
20	EFFECT OF ELEVATION ON DISTRIBUTION OF FEMALE BATS IN THE BLACK HILLS, SOUTH DAKOTA. Journal of Mammalogy, 2000, 81, 719-725.	1.3	89
21	GIS-based model of stable hydrogen isotope ratios in North American growing-season precipitation for use in animal movement studies. Isotopes in Environmental and Health Studies, 2004, 40, 291-300.	1.0	87
22	Mating Behavior as a Possible Cause of Bat Fatalities at Wind Turbines. Journal of Wildlife Management, 2008, 72, 845-849.	1.8	84
23	Environment, host, and fungal traits predict continental-scale white-nose syndrome in bats. Science Advances, 2016, 2, e1500831.	10.3	66
24	Continentalâ€scale, seasonal movements of a heterothermic migratory tree bat. Ecological Applications, 2014, 24, 602-616.	3.8	63
25	First Direct Evidence of Long-distance Seasonal Movements and Hibernation in a Migratory Bat. Scientific Reports, 2016, 6, 34585.	3.3	63
26	Evidence of Late-Summer Mating Readiness and Early Sexual Maturation in Migratory Tree-Roosting Bats Found Dead at Wind Turbines. PLoS ONE, 2012, 7, e47586.	2.5	58
27	Alphacoronaviruses in New World Bats: Prevalence, Persistence, Phylogeny, and Potential for Interaction with Humans. PLoS ONE, 2011, 6, e19156.	2.5	54
28	Broadening the focus of bat conservation and research in the USA for the 21st century. Endangered Species Research, 2009, 8, 129-145.	2.4	53
29	Market Forces and Technological Substitutes Cause Fluctuations in the Value of Bat Pest-Control Services for Cotton. PLoS ONE, 2014, 9, e87912.	2.5	50
30	Environmental conditions associated with bat whiteâ€nose syndrome mortality in the northâ€eastern United States. Journal of Applied Ecology, 2012, 49, 680-689.	4.0	47
31	Comprehensive genetic analyses reveal evolutionary distinction of a mouse (Zapus hudsonius preblei) proposed for delisting from the US Endangered Species Act. Molecular Ecology, 2006, 15, 4331-4359.	3.9	46
32	Moving across the border: modeling migratory bat populations. Ecosphere, 2013, 4, 1-16.	2.2	40
33	Food Habits of the Hoary Bat (Lasiurus cinereus) during Spring Migration through New Mexico. Southwestern Naturalist, 2009, 54, 195-200.	0.1	38
34	Seasonally-Dynamic Presence-Only Species Distribution Models for a Cryptic Migratory Bat Impacted by Wind Energy Development. PLoS ONE, 2015, 10, e0132599.	2.5	38
35	Evidence of cryptic individual specialization in an opportunistic insectivorous bat. Journal of Mammalogy, 2012, 93, 381-389.	1.3	37
36	White-nose syndrome in bats: illuminating the darkness. BMC Biology, 2013, 11, 47.	3.8	37

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37	Bat ecology and public health surveillance for rabies in an urbanizing region of Colorado. Urban Ecosystems, 2011, 14, 665-697.	2.4	32
38	Ultraviolet Vision May be Widespread in Bats. Acta Chiropterologica, 2015, 17, 193-198.	0.6	26
39	Insect Prey Eaten by Hoary Bats (Lasiurus cinereus) Prior to Fatal Collisions with Wind Turbines. Western North American Naturalist, 2013, 73, 516-524.	0.4	22
40	Using sutures to attach miniature tracking tags to small bats for multimonth movement and behavioral studies. Ecology and Evolution, 2015, 5, 2980-2989.	1.9	22
41	On Estimating the Economic Value of Insectivorous Bats: Prospects and Priorities for Biologists. , 2013, , 501-515.		21
42	Do you hear what I see? Vocalization relative to visual detection rates of Hawaiian hoary bats (Lasiurus cinereus semotus). Ecology and Evolution, 2017, 7, 6669-6679.	1.9	19
43	Bats of Mesa Verde National Park, Colorado: Composition, Reproduction, and Roosting Habits. Monographs of the Western North American Naturalist, 2011, 5, 1-19.	0.7	18
44	Optimizing conservation strategies for Mexican free-tailed bats: a population viability and ecosystem services approach. Biodiversity and Conservation, 2015, 24, 63-82.	2.6	17
45	Longâ€term video surveillance and automated analyses reveal arousal patterns in groups of hibernating bats. Methods in Ecology and Evolution, 2017, 8, 1813-1821.	5.2	17
46	Roost selection by western long-eared myotis (Myotis evotis) in burned and unburned piÃ±onâ€“juniper woodlands of southwestern Colorado. Journal of Mammalogy, 2013, 94, 640-649.	1.3	16
47	Bats Prove To Be Rich Reservoirs for Emerging Viruses. Microbe Magazine, 2008, 3, 521-528.	0.4	16
48	Dim ultraviolet light as a means of deterring activity by the Hawaiian hoary bat Lasiurus cinereus semotus. Endangered Species Research, 2015, 28, 249-257.	2.4	12
49	Evaluating the Effectiveness of Wildlife Detection and Observation Technologies at a Solar Power Tower Facility. PLoS ONE, 2016, 11, e0158115.	2.5	9
50	Behavioral patterns of bats at a wind turbine confirm seasonality of fatality risk. Ecology and Evolution, 2021, 11, 4843-4853.	1.9	8
51	Improving spatio-temporal benefit transfers for pest control by generalist predators in cotton in the southwestern US. International Journal of Biodiversity Science, Ecosystem Services & Management, 2017, 13, 27-39.	2.9	5
52	Historical effective population size of North American hoary bat (Lasiurus cinereus) and challenges to estimating trends in contemporary effective breeding population size from archived samples. PeerJ, 2021, 9, e11285.	2.0	5
53	Not to Put Too Fine a Point on It â€" Does Increasing Precision of Geographic Referencing Improve Species Distribution Models for a Wide-Ranging Migratory Bat?. Acta Chiropterologica, 2015, 17, 159-169.	0.6	4
54	Influencing Activity of Bats by Dimly Lighting Wind Turbine Surfaces with Ultraviolet Light. Animals, 2022, 12, 9.	2.3	3

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55	Positively selected genes in the hoary bat (Lasiurus cinereus) lineage: prominence of thymus expression, immune and metabolic function, and regions of ancient synteny. PeerJ, 2022, 10, e13130.	2.0	0