## Environmental context explains $L\tilde{A}@vy$ and Brownian predators

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**Citation Report** 

#	Article	IF	CITATIONS
1	Fish in Lévy-flight foraging. Nature, 2010, 465, 1018-1019.	13.7	78
2	Expanding islands of speciation. Nature, 2010, 465, 1019-1020.	13.7	4
3	Generalization of the Khinchin Theorem to Lévy Flights. Physical Review Letters, 2010, 105, 260603.	2.9	41
4	Continuous-time random walk theory of superslow diffusion. Europhysics Letters, 2010, 92, 30001.	0.7	27
5	Excess digestive capacity in predators reflects a life of feast and famine. Nature, 2011, 476, 84-87.	13.7	130
6	Lévy Walks Evolve Through Interaction Between Movement and Environmental Complexity. Science, 2011, 332, 1551-1553.	6.0	236
7	Scaling mobility patterns and collective movements: Deterministic walks in lattices. Physical Review E, 2011, 83, 056108.	0.8	5
8	The Behavioral Ecology of Nutrient Foraging by Plants. Annual Review of Ecology, Evolution, and Systematics, 2011, 42, 289-311.	3.8	185
9	Distribution, site affinity and regional movements of the manta ray, Manta alfredi (Krefft, 1868), along the east coast of Australia. Marine and Freshwater Research, 2011, 62, 628.	0.7	117
10	Biophysical Models of Human Behavior: Is There a Place for Free Will?. AJOB Neuroscience, 2011, 2, 37-43.	0.6	2
11	Stochastic Artificial Neural Networks and random walks. , 2011, , .		0
12	Levy flights are not evolved behavior. Nature Precedings, 2011, , .	0.1	0
14	A Non-Lévy Random Walk in Chacma Baboons: What Does It Mean?. PLoS ONE, 2011, 6, e16131.	1.1	29
15	From Lévy to Brownian: A Computational Model Based on Biological Fluctuation. PLoS ONE, 2011, 6, e16168.	1.1	43
16	Integrated Management and Visualization of Electronic Tag Data with Tagbase. PLoS ONE, 2011, 6, e21810.	1.1	14
17	Sampling rate and misidentification of Lévy and non-Lévy movement paths: reply. Ecology, 2011, 92, 1701-1702.	1.5	8
18	Scales of orientation, directed walks and movement path structure in sharks. Journal of Animal Ecology, 2011, 80, 864-874.	1.3	79
19	Behavioural ecology at sea of Atlantic salmon (Salmo salar L.) kelts from a Newfoundland (Canada) river. Fisheries Oceanography, 2011, 20, 174-191.	0.9	31

#	Article	IF	CITATIONS
20	Vertical movement and behavior of the ocean sunfish, Mola mola, in the northwest Atlantic. Journal of Experimental Marine Biology and Ecology, 2011, 396, 138-146.	0.7	28
21	Memory matters: Influence from a cognitive map on animal space use. Journal of Theoretical Biology, 2011, 287, 26-36.	0.8	52
22	Modelling swimming aquatic animals in hydrodynamic models. Ecological Modelling, 2011, 222, 3869-3887.	1.2	52
23	Truncated Lévy flights and agenda-based mobility are useful for the assessment of personal human exposure. Environmental Pollution, 2011, 159, 2061-2070.	3.7	8
24	On the origin of bursts and heavy tails in animal dynamics. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 245-249.	1.2	26
25	Front dynamics in fractional-order epidemic models. Journal of Theoretical Biology, 2011, 279, 9-16.	0.8	72
26	Diffusive behavior of a greedy traveling salesman. Physical Review E, 2011, 83, 061115.	0.8	0
27	Optimal random search for a single hidden target. Physical Review E, 2011, 83, 011105.	0.8	11
28	Sampling rate and misidentification of Lévy and non-Lévy movement paths: comment. Ecology, 2011, 92, 1699-1701.	1.5	18
29	Variation in individual walking behavior creates the impression of a Lévy flight. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8704-8707.	3.3	116
30	Assessing Lévy walks as models of animal foraging. Journal of the Royal Society Interface, 2011, 8, 1233-1247.	1.5	139
31	Dynamics analysis on a self-organized particle swarm optimization. , 2011, , .		0
32	How Landscape Heterogeneity Frames Optimal Diffusivity in Searching Processes. PLoS Computational Biology, 2011, 7, e1002233.	1.5	42
33	Toward a general understanding of the scaling laws in human and animal mobility. Europhysics Letters, 2011, 96, 38006.	0.7	24
34	Collective search and decision-making for target localization. Mathematical and Computer Modelling of Dynamical Systems, 2012, 18, 51-65.	1.4	4
35	Brownian motion or Lévy walk? Stepping towards an extended statistical mechanics for animal locomotion. Journal of the Royal Society Interface, 2012, 9, 2332-2340.	1.5	19
36	High activity and Lévy searches: jellyfish can search the water column like fish. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 465-473.	1.2	111
37	Analysis and visualization of animal movement. Biology Letters, 2012, 8, 6-9.	1.0	37

#	Article	IF	CITATIONS
38	A high throughput and sensitive method correlates neuronal disorder genotypes to Drosophila larvae crawling phenotypes. Fly, 2012, 6, 303-308.	0.9	21
39	Detecting movement patterns using Brownian bridges. , 2012, , .		16
40	Two-scale renormalization-group classification of diffusive processes. Physical Review E, 2012, 86, 011126.	0.8	13
41	Spatiotemporal Dynamics of Bumblebees Foraging under Predation Risk. Physical Review Letters, 2012, 108, 098103.	2.9	32
42	Fitness-maximizing foragers can use information about patch quality to decide how to search for and within patches: optimal Lévy walk searching patterns from optimal foraging theory. Journal of the Royal Society Interface, 2012, 9, 1568-1575.	1.5	18
43	Anomalous diffusion and long-range correlations in the score evolution of the game of cricket. Physical Review E, 2012, 86, 022102.	0.8	29
44	Packet Delay and Energy Consumption in Non-homogeneous Networks. Computer Journal, 2012, 55, 950-964.	1.5	20
45	Anomalous diffusion in run-and-tumble motion. Physical Review E, 2012, 86, 021117.	0.8	34
46	Conditions under which a superdiffusive random-search strategy is necessary. Physical Review E, 2012, 86, 031133.	0.8	8
47	Sampling rate of spatial stochastic processes with independent components in modeling random search paths. Physical Review E, 2012, 85, 021907.	0.8	3
48	LÉVY FLIGHT OF HOLES IN <font>InP</font> SEMICONDUCTOR SCINTILLATOR. International Journal of High Speed Electronics and Systems, 2012, 21, 1250001.	0.3	9
49	Modified Adaptive Cuckoo Search (MACS) algorithm and formal description for global optimisation. International Journal of Computer Applications in Technology, 2012, 44, 73.	0.3	35
50	An empirical movement model for sixgill sharks in Puget Sound: Combining observed and unobserved behavior. Environmental Epigenetics, 2012, 58, 103-115.	0.9	7
51	Stochastic search strategies in 2D using agents with limited perception. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 650-654.	0.4	2
52	Statistics of severe tornadoes and severe tornado outbreaks. Atmospheric Chemistry and Physics, 2012, 12, 8459-8473.	1.9	17
53	Sensing and decision-making in random search. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12070-12074.	3.3	56
54	Spatio-temporal responses of black-tailed gulls to natural and anthropogenic food resources. Marine Ecology - Progress Series, 2012, 466, 249-259.	0.9	58
55	Foraging success of biological Lévy flights recorded in situ. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7169-7174.	3.3	283

#	Article	IF	CITATIONS
56	Foraging dichotomy in loggerhead sea turtles Caretta caretta off northwestern Africa. Marine Ecology - Progress Series, 2012, 470, 113-122.	0.9	66
57	Radiation trapping and Lévy flights in atomic vapours: an introductory review. Contemporary Physics, 2012, 53, 227-239.	0.8	16
58	Scale invariance in the dynamics of spontaneous behavior. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10564-10569.	3.3	100
59	Searching in heterogeneous and limiting environments: foraging strategies of white-lipped peccaries ( <i>Tayassu pecari</i> ). Journal of Mammalogy, 2012, 93, 124-133.	0.6	41
60	Dissipative Lévy random searches: Universal behavior at low target density. Physical Review E, 2012, 86, 061102.	0.8	7
61	Fluvial transport and surface enrichment of arsenic in semi-arid mining regions: examples from the Mojave Desert, California. Journal of Environmental Monitoring, 2012, 14, 1798.	2.1	24
62	Molecular dynamics modeling and simulations to understand gate-tunable graphene-nanoribbon-resonator. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 45, 194-200.	1.3	23
63	New Insights into Pelagic Migrations: Implications for Ecology and Conservation. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 73-96.	3.8	172
64	Consistent movement traits indicative of innate behavior in neonate sharks. Journal of Experimental Marine Biology and Ecology, 2012, 432-433, 131-137.	0.7	20
65	Bifurcation of stretched exponential relaxation in microscopically homogeneous glasses. Journal of Non-Crystalline Solids, 2012, 358, 893-897.	1.5	33
66	Factors affecting intraspecific variation in home range size of a large African herbivore. Landscape Ecology, 2012, 27, 1523-1534.	1.9	34
67	Distinguishing between Lévy walks and strong alternative models. Ecology, 2012, 93, 1228-1233.	1.5	30
68	Area-restricted searching by manta rays and their response to spatial scale in lagoon habitats. Marine Ecology - Progress Series, 2012, 456, 233-244.	0.9	49
69	Autonomous Circuitry for Substrate Exploration in Freely Moving Drosophila Larvae. Current Biology, 2012, 22, 1861-1870.	1.8	123
70	Shorebird patches as fingerprints of fractal coastline fluctuations due to climate change. Ecological Processes, 2012, 1, .	1.6	15
71	Intermittent Motion in Desert Locusts: Behavioural Complexity in Simple Environments. PLoS Computational Biology, 2012, 8, e1002498.	1.5	82
72	Rationality, Irrationality and Escalating Behavior in Lowest Unique Bid Auctions. PLoS ONE, 2012, 7, e29910.	1.1	29
73	Incorrect Likelihood Methods Were Used to Infer Scaling Laws of Marine Predator Search Behaviour. PLoS ONE, 2012, 7, e45174.	1.1	44

#	Article	IF	CITATIONS
74	Hydrocarbon Contamination and the Swimming Behavior of the Estuarine Copepod Eurytemora affinis. , 0, , .		1
75	Feral Cats in the Tall Forests of Far East Gippsland, Australia. Proceedings of the Vertebrate Pest Conference, 0, 25, .	0.1	5
76	The Emerging Global Tourism Geography—An Environmental Sustainability Perspective. Sustainability, 2012, 4, 42-71.	1.6	49
77	Generalized Lévy walks and the role of chemokines in migration of effector CD8+ T cells. Nature, 2012, 486, 545-548.	13.7	483
78	Predicting oscillatory dynamics in the movement of territorial animals. Journal of the Royal Society Interface, 2012, 9, 1529-1543.	1.5	15
79	Theory of Fractional Lévy Kinetics for Cold Atoms Diffusing in Optical Lattices. Physical Review Letters, 2012, 108, 230602.	2.9	89
80	Observation of Anomalous Diffusion and Fractional Self-Similarity in One Dimension. Physical Review Letters, 2012, 108, 093002.	2.9	152
81	Evolution of optimal Lévy-flight strategies in human mental searches. Physical Review E, 2012, 85, 061121.	0.8	15
82	A Renormalization Group Classification of Nonstationary and/or Infinite Second Moment Diffusive Processes. Journal of Statistical Physics, 2012, 146, 989-1000.	0.5	19
83	Lévy flight and Brownian search patterns of a freeâ€ranging predator reflect different prey field characteristics. Journal of Animal Ecology, 2012, 81, 432-442.	1.3	143
84	A modeling approach to evaluate growth and movement for recruitment success of Japanese sardine ( <i>Sardinops melanostictus</i> ) in the western Pacific. Fisheries Oceanography, 2012, 21, 44-57.	0.9	44
85	An analytical and hypothesisâ€driven approach to elasmobranch movement studies. Journal of Fish Biology, 2012, 80, 1342-1360.	0.7	40
86	Olfactory search behaviour in the wandering albatross is predicted to give rise toÂLévy flight movement patterns. Animal Behaviour, 2012, 83, 1225-1229.	0.8	26
87	Front dynamics in a two-species competition model driven by Lévy flights. Journal of Theoretical Biology, 2012, 300, 134-142.	0.8	28
88	Path integration mediated systematic search: A Bayesian model. Journal of Theoretical Biology, 2012, 307, 1-19.	0.8	12
89	The influence of the environment on Lévy random search efficiency: Fractality and memory effects. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3234-3246.	1.2	53
90	Diffusion of knowledge and globalization in the web of twentieth century science. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3995-4003.	1.2	13
91	Photon assisted Lévy flights of minority carriers in n-InP. Journal of Luminescence, 2012, 132, 1935-1943.	1.5	10

#	Article	IF	CITATIONS
92	Temporal fractals in seabird foraging behaviour: diving through the scales of time. Scientific Reports, 2013, 3, 1884.	1.6	33
93	How a simple adaptive foraging strategy can lead to emergent home ranges and increased food intake. Oikos, 2013, 122, 1307-1316.	1.2	44
94	A new approach for objective identification of turns and steps in organism movement data relevant to random walk modelling. Methods in Ecology and Evolution, 2013, 4, 930-938.	2.2	41
95	Lévy flights in human behavior and cognition. Chaos, Solitons and Fractals, 2013, 56, 101-105.	2.5	62
96	Fractal transit networks: Self-avoiding walks and Lévy flights. European Physical Journal: Special Topics, 2013, 216, 49-55.	1.2	9
97	Exploration-exploitation Trade-off in a Treasure Hunting Game. Electronic Notes in Theoretical Computer Science, 2013, 299, 101-121.	0.9	3
98	The higher-order heat-type equations via signed Lévy stable and generalized Airy functions. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 425001.	0.7	20
99	Random walk analysis of ranging patterns of sympatric langurs in a complex resource landscape. American Journal of Primatology, 2013, 75, 1209-1219.	0.8	6
101	Chemical and hydromechanical components of mate-seeking behaviour in the calanoid copepod Eurytemora affinis. Journal of Plankton Research, 2013, 35, 724-743.	0.8	14
102	The Lévy flight foraging hypothesis: forgetting about memory may lead to false verification of Brownian motion. Movement Ecology, 2013, 1, 9.	1.3	22
103	Tracking and Following a Tagged Leopard Shark with an Autonomous Underwater Vehicle. Journal of Field Robotics, 2013, 30, 309-322.	3.2	55
104	Linking animal-borne video to accelerometers reveals prey capture variability. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2199-2204.	3.3	202
105	Finding food: outbound searching behavior in the Australian desert ant Melophorus bagoti. Behavioral Ecology, 2013, 24, 128-135.	1.0	41
106	Animal space use: distinguishing a twoâ€level superposition of scaleâ€specific walks from scaleâ€free Lévy walk. Oikos, 2013, 122, 612-620.	1.2	10
107	Populational Heterogeneity vs. Temporal Fluctuation in Escherichia coli Flagellar Motor Switching. Biophysical Journal, 2013, 105, 2123-2129.	0.2	11
108	Must marine predators always follow scaling laws? Memory guides the foraging decisions of a pursuit-diving seabird. Animal Behaviour, 2013, 86, 545-552.	0.8	48
109	The emergence of scaling laws search dynamics in a particle swarm optimization. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1522-1531.	1.2	3
110	Evaluating the performance of individual-based animal movement models in novel environments. Ecological Modelling, 2013, 250, 214-234.	1.2	46

#	Article	IF	CITATIONS
111	Selection pressures give composite correlated random walks Lévy walk characteristics. Journal of Theoretical Biology, 2013, 332, 117-122.	0.8	18
112	Behavioral characterization and Particle Filter localization to improve temporal resolution and accuracy while tracking acoustically tagged fishes. Ocean Engineering, 2013, 61, 1-11.	1.9	9
113	Analysing small-scale aggregation in animal visits in space and time: the ST-BBD method. Animal Behaviour, 2013, 85, 483-492.	0.8	11
114	Questioning the interpretations of behavioral observations of cetaceans: Is there really support for a special intellectual status for this mammalian order?. Neuroscience, 2013, 250, 664-696.	1.1	42
115	Lévy or Not? Analysing Positional Data from Animal Movement Paths. Lecture Notes in Mathematics, 2013, , 33-52.	0.1	19
116	Beyond Optimal Searching: Recent Developments in the Modelling of Animal Movement Patterns as Lévy Walks. Lecture Notes in Mathematics, 2013, , 53-76.	0.1	6
117	Lévy Meets Poisson: A Statistical Artifact May Lead to Erroneous Recategorization of Lévy Walk as Brownian Motion. American Naturalist, 2013, 181, 440-450.	1.0	6
118	Area coverage of radial Lévy flights with periodic boundary conditions. Physical Review E, 2013, 87, 042136.	0.8	24
119	Lévy Flights and Global Optimization. , 2013, , 49-72.		28
120	Temporal shifts in motion behaviour and habitat use in an intertidal gastropod. Journal of the Marine Biological Association of the United Kingdom, 2013, 93, 1025-1034.	0.4	9
121	Time-averaged Einstein relation and fluctuating diffusivities for the Lévy walk. Physical Review E, 2013, 87, .	0.8	74
122	Inferring spatial memory and spatiotemporal scaling from <scp>GPS</scp> data: comparing red deer <i>Cervus elaphus</i> movements with simulation models. Journal of Animal Ecology, 2013, 82, 572-586.	1.3	30
123	Levy Flight Based Cuckoo Search Algorithm for Synthesizing Cross-Ambiguity Functions. , 2013, , .		10
124	Linear response, fluctuation-dissipation, and finite-system-size effects in superdiffusion. Physical Review E, 2013, 88, 012116.	0.8	38
125	Finite-Time Effects and Ultraweak Ergodicity Breaking in Superdiffusive Dynamics. Physical Review Letters, 2013, 110, 020603.	2.9	79
126	Beating the Odds in the Aerial Lottery: Passive Dispersers Select Conditions at Takeoff That Maximize Their Expected Fitness on Landing. American Naturalist, 2013, 181, 555-561.	1.0	19
127	Fractional diffusion with Neumann boundary conditions: The logistic equation. Discrete and Continuous Dynamical Systems - Series B, 2013, 18, 2175-2202.	0.5	32
128	Discriminating External and Internal Causes for Heading Changes in Freely Flying Drosophila. PLoS Computational Biology, 2013, 9, e1002891.	1.5	52

#	Article	IF	CITATIONS
129	Emergence of an optimal search strategy from a simple random walk. Journal of the Royal Society Interface, 2013, 10, 20130486.	1.5	17
130	Exploration–exploitation trade-off features a saltatory search behaviour. Journal of the Royal Society Interface, 2013, 10, 20130352.	1.5	7
132	Prey field switching based on preferential behaviour can induce Lévy flights. Journal of the Royal Society Interface, 2013, 10, 20120489.	1.5	10
133	Modeling the genetic basis for human sleep disorders in Drosophila. Communicative and Integrative Biology, 2013, 6, e22733.	0.6	9
134	Effective leadership in animal groups when no individual has pertinent information about resource locations: How interactions between leaders and followers can result in Lévy walk movement patterns. Europhysics Letters, 2013, 102, 18001.	0.7	16
135	Large fluctuation and Lévy movement of an active deformable particle. Europhysics Letters, 2013, 102, 40012.	0.7	8
136	Species diversity in rock—paper—scissors game coupling with Levy flight. Chinese Physics B, 2013, 22, 128702.	0.7	4
137	Learning where to look for a hidden target. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10438-10445.	3.3	39
138	Foraging flights. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3202-3204.	3.3	10
139	A critique of the ecosystem impacts of drifting and anchored FADs use by purse-seine tuna fisheries in the Western and Central Pacific Ocean. Aquatic Living Resources, 2013, 26, 49-61.	0.5	52
140	Superdiffusive Dispersion and Mixing of Swarms with Reactive Levy Walks. , 2013, , .		8
141	Dispersal, Individual Movement and Spatial Ecology. Lecture Notes in Mathematics, 2013, , .	0.1	30
142	Hidden Markov analysis describes dive patterns in semiaquatic animals. Behavioral Ecology, 2013, 24, 659-667.	1.0	11
143	Movement patterns of Tenebrio beetles demonstrate empirically that correlated-random-walks have similitude with a Lévy walk. Scientific Reports, 2013, 3, 3158.	1.6	28
144	Unraveling the origin of exponential law in intra-urban human mobility. Scientific Reports, 2013, 3, 2983.	1.6	107
145	- Natal Homing and Imprinting in Sea Turtles. , 2013, , 78-97.		9
146	- Molecular Genetics of Sea Turtles. , 2013, , 154-181.		28
148	Scavengers on the Move: Behavioural Changes in Foraging Search Patterns during the Annual Cycle. PLoS ONE, 2013, 8, e54352.	1.1	49

		CITATION REPORT		
#	Article		IF	Citations
149	Directional Locomotion of C. elegans in the Absence of External Stimuli. PLoS ONE, 201	3, 8, e78535.	1.1	16
150	MULTICARRIER MULTIPACTOR ANALYSIS BASED ON BRANCHING LEVY WALK HYPOTHE Electromagnetics Research, 2014, 146, 117-123.	SIS. Progress in	1.6	3
151	Weak ergodicity breaking, irreproducibility, and ageing in anomalous diffusion processe	s. , 2014, , .		1
152	Know Your Instruments: Ensuring Depth and Temperature Data from Pop- Up Satellite A Are Reported Correctly. Journal of Ecosystem & Ecography, 2014, 04, .	rchival Tags	0.2	2
154	Stochastic resonance induced by Lévy noise in a tumor growth model with periodic tr Modern Physics Letters B, 2014, 28, 1450085.	eatment.	1.0	25
155	Turing pattern dynamics in an activator-inhibitor system with superdiffusion. Physical Re 90, 062915.	view E, 2014,	0.8	40
156	Effects of Lévy noise and immune delay on the extinction behavior in a tumor growth Physics B, 2014, 23, 090501.	model. Chinese	0.7	11
157	The Effects of Spatial and Temporal Resolution in Simulating Fish Movement in Individua Models. Transactions of the American Fisheries Society, 2014, 143, 1143-1160.	I-Based	0.6	11
158	Geomagnetic imprinting predicts spatio-temporal variation in homing migration of pink salmon. Journal of the Royal Society Interface, 2014, 11, 20140542.	and sockeye	1.5	65
159	Honest signaling in the cooperative search. , 2014, , .			4
160	Multiscale Analysis of Geometric Planar Deformations: Application to Wild Animal Electr Tracking and Satellite Ocean Observation Data. IEEE Transactions on Geoscience and Re 2014, 52, 3627-3636.	onic mote Sensing,	2.7	7
161	Historical data reveal powerâ€law dispersal patterns of invasive aquatic species. Ecograµ 581-590.	əhy, 2014, 37,	2.1	16
162	Generalized similarity, renormalization groups, and nonlinear clocks for multiscaling. Phy Review E, 2014, 89, 042104.	vsical	0.8	3
163	Distinguishing between Lévy walks and strong alternative models: comment. Ecology 1104-1109.	2014, 95,	1.5	4
164	How superdiffusion gets arrested: ecological encounters explain shift from Lévy to Bromovement. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 201326		1.2	54
165	Mathematics as a Laboratory Tool. , 2014, , .			8
166	Temperature controlled Lévy flights of minority carriers in photoexcited bulk n-InP. Ph Section A: General, Atomic and Solid State Physics, 2014, 378, 266-269.	ysics Letters,	0.9	10
167	Differential evolution based on truncated Lévy-type flights and population diversity m economic load dispatch problems. International Journal of Electrical Power and Energy S 57, 178-188.	easure to solve ystems, 2014,	3.3	61

#	Article	IF	CITATIONS
168	Effect of regime switching on behavior of albacore under the influence of phytoplankton concentration. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1099-1124.	1.9	8
169	Home range size estimates of red deer in Germany: environmental, individual and methodological correlates. European Journal of Wildlife Research, 2014, 60, 237-247.	0.7	28
171	Optimal search in interacting populations: Gaussian jumps versus Lévy flights. Physical Review E, 2014, 89, 032718.	0.8	16
172	Scaling laws of ambush predator â€~waiting' behaviour are tuned to a common ecology. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132997.	1.2	38
173	Telemetry Analysis of Highly Migratory Species. , 2014, , 447-476.		6
174	Lévy flights do not always optimize random blind search for sparse targets. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2931-2936.	3.3	167
175	Causes for the Persistence of Impact Factor Mania. MBio, 2014, 5, e00064-14.	1.8	130
176	Evidence of Lévy walk foraging patterns in human hunter–gatherers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 728-733.	3.3	243
177	Stochastic Foundations in Movement Ecology. Springer Series in Synergetics, 2014, , .	0.2	85
178	Biological Searches and Random Animal Motility. Springer Series in Synergetics, 2014, , 267-288.	0.2	1
179	Death Valley, <i>Drosophila</i> , and the Devonian Toolkit. Annual Review of Entomology, 2014, 59, 51-72.	5.7	75
180	From physiology to physics: are we recognizing the flexibility of biologging tools?. Journal of Experimental Biology, 2014, 217, 317-322.	0.8	43
181	Crowding, Diffusion, and Biochemical Reactions. International Review of Cell and Molecular Biology, 2014, 307, 383-417.	1.6	92
182	How do offenders choose where to offend? Perspectives from animal foraging. Legal and Criminological Psychology, 2014, 19, 193-210.	1.5	59
183	Intraspecific variation in vertical habitat use by tiger sharks ( <i>Galeocerdo cuvier</i> ) in the western <scp>N</scp> orth <scp>A</scp> tlantic. Ecology and Evolution, 2014, 4, 1768-1786.	0.8	47
184	Intrinsic and extrinsic contributions to heavy tails in visual foraging. Visual Cognition, 2014, 22, 809-842.	0.9	9
185	Fractional dynamics on networks: Emergence of anomalous diffusion and Lévy flights. Physical Review E, 2014, 90, 032809.	0.8	59
186	Lévy flight movement patterns in marine predators may derive from turbulence cues. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2014, 470, 20140408.	1.0	11

	CITATION	CITATION REPORT	
# 187	ARTICLE Anomalous diffusion models and their properties: non-stationarity, non-ergodicity, and ageing at the centenary of single particle tracking. Physical Chemistry Chemical Physics, 2014, 16, 24128-24164.	IF 1.3	Citations
188	Quantifying the impact of environmental variables upon catch per unit effort of the blue shark <i>Prionace glauca</i> inÂthe western English Channel. Journal of Fish Biology, 2014, 85, 657-670.	0.7	18
189	Hierarchical random walks in trace fossils and the origin of optimal search behavior. Proceedings of the United States of America, 2014, 111, 11073-11078.	3.3	89
190	The Lévy flight foraging hypothesis in a pelagic seabird. Journal of Animal Ecology, 2014, 83, 353-364.	1.3	22
191	Signatures of active and passive optimized Lévy searching in jellyfish. Journal of the Royal Society Interface, 2014, 11, 20140665.	1.5	7
192	Eyes in the sky: linking satellite oceanography and biotelemetry to explore habitat selection by basking sharks. Animal Biotelemetry, 2014, 2, 12.	0.8	24
193	Reorientation patterns in central-place foraging: internal clocks and klinokinesis. Journal of the Royal Society Interface, 2014, 11, 20130859.	1.5	14
194	Sea surface temperature fronts affect distribution of Pacific saury (Cololabis saira) in the Northwestern Pacific Ocean. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 107, 15-21.	0.6	44
195	The relationship between randomness and power-law distributed move lengths in random walk algorithms. Physica A: Statistical Mechanics and Its Applications, 2014, 402, 76-83.	1.2	5
196	Does the Australian desert ant Melophorus bagoti approximate a Lévy search by an intrinsic bi-modal walk?. Journal of Theoretical Biology, 2014, 340, 17-22.	0.8	24
197	Anomalous diffusion and multifractality enhance mating encounters in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2206-2211.	3.3	60
198	Mechanistic analysis of the search behaviour of <i>Caenorhabditis elegans</i> . Journal of the Royal Society Interface, 2014, 11, 20131092.	1.5	46
199	Optimal foraging strategies: Lévy walks balance searching and patch exploitation under a very broad range of conditions. Journal of Theoretical Biology, 2014, 358, 179-193.	0.8	73
200	A risky business or a safe BET? A Fuzzy Set Event Tree for estimating hazard in biotelemetry studies. Animal Behaviour, 2014, 93, 143-150.	0.8	11
201	Fine-scale spatial distribution of the temperate infaunal bivalve Tapes (=Ruditapes) philippinarum (Adams and Reeve) on fished and unfished intertidal mudflats. Journal of Experimental Marine Biology and Ecology, 2014, 457, 128-134.	0.7	13
202	Temperature dependence of trophic interactions are driven by asymmetry of species responses and foraging strategy. Journal of Animal Ecology, 2014, 83, 70-84.	1.3	370
203	Space-fractional Fokker–Planck equation and optimization of random search processes in the presence of an external bias. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P11031.	0.9	23
204	The Effect of Detection Mechanisms on Spatial Search and Foraging. , 2014, , 346-365.		Ο

	CITATION	REPORT	
#	Article	IF	CITATIONS
205	Distinguishing between Lévy walks and strong alternative models: reply. Ecology, 2014, 95, 1109-1112.	1.5	2
206	Aging phenomena, probability distribution functions and numerical implementations for Lévy walks. Materials Research Innovations, 2015, 19, S8-32-S8-37.	1.0	0
207	Interfacing Mind and Environment: The Central Role of Search in Cognition. Topics in Cognitive Science, 2015, 7, 384-390.	1.1	4
208	Mussels realize Weierstrassian Lévy walks as composite correlated random walks. Scientific Reports, 2014, 4, 4409.	1.6	44
209	Inferring Lévy walks from curved trajectories: A rescaling method. Physical Review E, 2015, 92, 022147.	0.8	9
210	Data-driven coarse graining in action: Modeling and prediction of complex systems. Physical Review E, 2015, 92, 042139.	0.8	22
211	Lévy flights with power-law absorption. Physical Review E, 2015, 92, 042156.	0.8	3
212	Power-law ansatz in complex systems: Excessive loss of information. Physical Review E, 2015, 92, 062925.	0.8	7
213	Survival in patchy landscapes: the interplay between dispersal, habitat loss and fragmentation. Scientific Reports, 2015, 5, 11898.	1.6	63
214	A neural coding scheme reproducing foraging trajectories. Scientific Reports, 2015, 5, 18009.	1.6	15
215	Inherent noise appears as a LÃ $ m  ilde{O}$ vy walk in fish schools. Scientific Reports, 2015, 5, 10605.	1.6	35
216	A priority-based queuing process explanation for scale-free foraging behaviours. Animal Behaviour, 2015, 108, 67-71.	0.8	12
217	Bias correction and uncertainty characterization of Dead-Reckoned paths of marine mammals. Animal Biotelemetry, 2015, 3, .	0.8	11
218	Bioinspired multiobjective synthesis of Xâ€band FSS via general regression neural network and cuckoo search algorithm. Microwave and Optical Technology Letters, 2015, 57, 2400-2405.	0.9	19
219	Utilisation of Intensive Foraging Zones by Female Australian Fur Seals. PLoS ONE, 2015, 10, e0117997.	1.1	26
220	Lévy Walks Suboptimal under Predation Risk. PLoS Computational Biology, 2015, 11, e1004601.	1.5	16
221	Gevrey regularity for integro-differential operators. Journal of Mathematical Analysis and Applications, 2015, 428, 1225-1238.	0.5	8
222	Aquatic animal telemetry: A panoramic window into the underwater world. Science, 2015, 348, 1255642.	6.0	1,038

#	Article	IF	CITATIONS
223	Superdiffusive Dispersion and Mixing of Swarms. ACM Transactions on Autonomous and Adaptive Systems, 2015, 10, 1-24.	0.4	9
224	Dynamical evolution of an internet social network: A case study on an event of protecting plane trees in Nanjing, China. , 2015, , .		0
225	Long-range dispersal, stochasticity and the broken accelerating wave of advance. Theoretical Population Biology, 2015, 100, 39-55.	0.5	6
226	Basking sharks and oceanographic fronts: quantifying associations in the northâ€east Atlantic. Functional Ecology, 2015, 29, 1099-1109.	1.7	63
227	Understanding movements of organisms: it's time to abandon the Lévy foraging hypothesis. Methods in Ecology and Evolution, 2015, 6, 1-16.	2.2	115
228	How the movement characteristics of large marine predators influence estimates of their abundance. Ecological Modelling, 2015, 313, 223-236.	1.2	2
229	Genetic Dissection of a Regionally Differentiated Network for Exploratory Behavior in Drosophila Larvae. Current Biology, 2015, 25, 1319-1326.	1.8	55
230	Extending Lévy search theory from one to higher dimensions: Lévy walking favours the blind. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150123.	1.0	9
231	Why Lévy Foraging does not need to be â€~unshackled' from Optimal Foraging Theory. Physics of Life Reviews, 2015, 14, 102-104.	1.5	6
232	Fractional diffusion on circulant networks: emergence of a dynamical small world. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P07015.	0.9	28
233	Stepping molecular motor amid Lévy white noise. Physical Review E, 2015, 91, 042713.	0.8	85
234	Objective classification of latent behavioral states in bioâ€logging data using multivariateâ€normal hidden Markov models. Ecological Applications, 2015, 25, 1244-1258.	1.8	18
235	Liberating Lévy walk research from the shackles of optimal foraging. Physics of Life Reviews, 2015, 14, 59-83.	1.5	142
236	Purposeful wanderings: mate search strategies of male white-tailed deer. Journal of Mammalogy, 2015, 96, 279-286.	0.6	34
237	On uses, misuses and potential abuses of fractal analysis in zooplankton behavioral studies: A review, a critique and a few recommendations. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 410-434.	1.2	13
238	Feedback from Network States Generates Variability in a Probabilistic Olfactory Circuit. Cell, 2015, 161, 215-227.	13.5	204
239	Searching behavior in social Hymenoptera. Learning and Motivation, 2015, 50, 59-67.	0.6	43
240	From A to B, randomly: a point-to-point random trajectory generator for animal movement. International Journal of Geographical Information Science, 2015, 29, 912-934.	2.2	42

#	Article	IF	CITATIONS
241	Experimental evidence for inherent Lévy search behaviour in foraging animals. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150424.	1.2	54
242	Hopf bifurcation in a fractional diffusion food-limited models with feedback control. Journal of Mathematical Chemistry, 2015, 53, 1393-1411.	0.7	4
243	Apparent power-law distributions in animal movements can arise from intraspecific interactions. Journal of the Royal Society Interface, 2015, 12, 20140927.	1.5	15
244	Exponentially Tempered Lévy Sums in Random Lasers. Physical Review Letters, 2015, 114, 183903.	2.9	35
245	Intrinsic Lévy behaviour in organisms – searching for a mechanism. Physics of Life Reviews, 2015, 14, 111-114.	1.5	7
246	Energy and the Scaling of Animal Space Use. American Naturalist, 2015, 186, 196-211.	1.0	108
247	Relative roles of resource stimulus and vegetation architecture on the paths of flies foraging for fruit. Oikos, 2015, 124, 337-346.	1.2	8
248	Characterizing users' check-in activities using their scores in a location-based social network. Multimedia Systems, 2016, 22, 87-98.	3.0	8
249	Reflections of the social environment in chimpanzee memory: applying rational analysis beyond humans. Royal Society Open Science, 2016, 3, 160293.	1.1	6
250	The Spatial Dynamics of Predators and the Benefits and Costs of Sharing Information. PLoS Computational Biology, 2016, 12, e1005147.	1.5	30
251	Integrated Monitoring of Mola mola Behaviour in Space and Time. PLoS ONE, 2016, 11, e0160404.	1.1	22
252	Rationalizing spatial exploration patterns of wild animals and humans through a temporal discounting framework. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8747-8752.	3.3	31
253	What makes some fisheries references highly cited?. Fish and Fisheries, 2016, 17, 1094-1133.	2.7	15
254	Transitions in a genetic transcriptional regulatory system under Lévy motion. Scientific Reports, 2016, 6, 29274.	1.6	41
255	Quantifying and predicting Drosophila larvae crawling phenotypes. Scientific Reports, 2016, 6, 27972.	1.6	41
256	Fronts under arrest: Nonlocal boundary dynamics in biology. Physical Review E, 2016, 94, 060401.	0.8	2
257	Fuzzing binaries with LÃ $@$ vy flight swarms. Eurasip Journal on Information Security, 2016, 2016, .	2.2	1
258	The role of randomization tests in vegetation boundary detection with moving splitâ€window analysis. Journal of Vegetation Science, 2016, 27, 1288-1296.	1.1	6

#	Article		CITATIONS
259	Population assessment of tropical tuna based on their associative behavior around floating objects. Scientific Reports, 2016, 6, 36415.	1.6	14
260	Observations of in situ Atlantic bluefin tuna (Thunnus thynnus) with 500-kHz multibeam sonar. ICES Journal of Marine Science, 2016, 73, 1975-1986.	1.2	17
261	Michal Janáĕand Martin Reichard 12. Methodologies for Investigating Diadromous Fish Movements:. , 2016, , 222-258.		5
262	A Probabilistic Motivation. Lecture Notes of the Unione Matematica Italiana, 2016, , 1-5.	0.4	3
263	Nonlocal Diffusion and Applications. Lecture Notes of the Unione Matematica Italiana, 2016, , .	0.4	270
264	A single predator charging a herd of prey: effects of self volume and predator–prey decision-making. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 225601.	0.7	21
265	Lévy patterns in seabirds are multifaceted describing both spatial and temporal patterning. Frontiers in Zoology, 2016, 13, 29.	0.9	6
266	Caradoc: A Pragmatic Approach to PDF Parsing and Validation. , 2016, , .		13
267	A spatial approach to understanding herring population dynamics. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 177-188.	0.7	21
268	Search reliability and search efficiency of combined Lévy–Brownian motion: long relocations mingled with thorough local exploration. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 394002.	0.7	30
269	Chile2015: Lévy Flight and Long-Range Correlation Analysis of Earthquake Magnitudes in Chile. Pure and Applied Geophysics, 2016, 173, 2257-2266.	0.8	3
270	Retention of plankton within ocean eddies. Global Ecology and Biogeography, 2016, 25, 1264-1277.	2.7	62
271	Effective-medium approximation for lattice random walks with long-range jumps. Physical Review E, 2016, 94, 012135.	0.8	8
272	Evaluating random search strategies in three mammals from distinct feeding guilds. Journal of Animal Ecology, 2016, 85, 1411-1421.	1.3	27
273	Swarm Intelligence. Lecture Notes in Computer Science, 2016, , .	1.0	11
274	Random Walks in Swarm Robotics: An Experiment with Kilobots. Lecture Notes in Computer Science, 2016, , 185-196.	1.0	50
275	Hunting Bugs with Lévy Flight Foraging. , 2016, , .		3
276	Bayesian data fusion approaches to predicting spatial tracks: Application to marine mammals. Annals of Applied Statistics, 2016, 10, .	0.5	12

#	Article	IF	CITATIONS
277	Into the deep: the functionality of mesopelagic excursions by an oceanic apex predator. Ecology and Evolution, 2016, 6, 5290-5304.	0.8	39
278	Piscivorous fish exhibit temperatureâ€influenced binge feeding during an annual prey pulse. Journal of Animal Ecology, 2016, 85, 1307-1317.	1.3	33
279	A Liouville type theorem for Lane–Emden systems involving the fractional Laplacian. Nonlinearity, 2016, 29, 2279-2297.	0.6	21
280	Single integrodifferential wave equation for a Lévy walk. Physical Review E, 2016, 93, 020101.	0.8	22
281	Transition in the decay rates of stationary distributions of Lévy motion in an energy landscape. Physical Review E, 2016, 93, 022135.	0.8	11
282	Fractional diffusion equation for an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mi>n</mml:mi>-dimensional correlated Lévy walk. Physical Review E, 2016, 94, 012104.</mml:math 	0.8	16
283	Interfacial Molecular Searching Using Forager Dynamics. Physical Review Letters, 2016, 116, 098303.	2.9	21
284	Discrete Truncated Powerâ€Law Distributions. Australian and New Zealand Journal of Statistics, 2016, 58, 197-209.	0.4	4
285	Subjective expectation of rewards can change the behavior of smart but impatient foragers. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8571-8573.	3.3	4
286	Consistent scaling of population structure across landscapes despite intraspecific variation in movement and connectivity. Journal of Animal Ecology, 2016, 85, 1563-1573.	1.3	25
287	Covering Ground: Movement Patterns and Random Walk Behavior in <i>Aquilonastra anomala</i> Sea Stars. Biological Bulletin, 2016, 231, 130-141.	0.7	6
288	Optimal search patterns in honeybee orientation flights are robust against emerging infectious diseases. Scientific Reports, 2016, 6, 32612.	1.6	23
290	Understanding the spatiotemporal pattern of grazing cattle movement. Scientific Reports, 2016, 6, 31967.	1.6	18
291	Ecological patterns emerging as a result of the density distribution of organisms. Physics of Life Reviews, 2016, 19, 139-141.	1.5	3
292	Signatures of a globally optimal searching strategy in the three-dimensional foraging flights of bumblebees. Scientific Reports, 2016, 6, 30401.	1.6	28
293	Numerical analysis of homogeneous and inhomogeneous intermittent search strategies. Physical Review E, 2016, 94, 042133.	0.8	7
294	Proliferating Lévy Walkers and Front Propagation. Mathematical Modelling of Natural Phenomena, 2016, 11, 157-178.	0.9	6
295	Signatures of chaos in animal search patterns. Scientific Reports, 2016, 6, 23492.	1.6	28

#	Article	IF	CITATIONS
296	A fishery-independent survey of juvenile shortfin mako (Isurus oxyrinchus) and blue (Prionace glauca) sharks in the Southern California Bight, 1994–2013. Fisheries Research, 2016, 183, 233-243.	0.9	15
297	Energetic cost determines voluntary movement speed only in familiar environments. Journal of Experimental Biology, 2016, 219, 1625-1631.	0.8	25
298	Scale-dependent to scale-free: daily behavioural switching and optimized searching in a marine predator. Animal Behaviour, 2016, 113, 189-201.	0.8	16
299	Environmental influence on the seasonal movements of satellite-tracked ocean sunfish Mola mola in the north-east Atlantic. Animal Biotelemetry, 2016, 4, .	0.8	36
300	Twoâ€regime Pattern in Human Mobility: Evidence from <scp>GPS</scp> Taxi Trajectory Data. Geographical Analysis, 2016, 48, 157-175.	1.9	23
301	On the uniqueness of solutions of a nonlocal elliptic system. Mathematische Annalen, 2016, 365, 105-153.	0.7	17
302	Effector T-cell trafficking between the leptomeninges and the cerebrospinal fluid. Nature, 2016, 530, 349-353.	13.7	305
303	Scaling law in free walking of mice in circular open fields of various diameters. Journal of Biological Physics, 2016, 42, 259-270.	0.7	6
304	Consumption and foraging behaviors for common stimulants (nicotine, caffeine). Journal of Addictive Diseases, 2016, 35, 15-21.	0.8	7
305	Fisheries stocks from an ecological perspective: Disentangling ecological connectivity from genetic interchange. Fisheries Research, 2016, 179, 333-341.	0.9	46
306	Key Questions in Marine Megafauna Movement Ecology. Trends in Ecology and Evolution, 2016, 31, 463-475.	4.2	397
307	Spatial memory in foraging games. Cognition, 2016, 148, 85-96.	1.1	19
308	Incorporating movement in the modelling of shark and ray population dynamics: approaches and management implications. Reviews in Fish Biology and Fisheries, 2016, 26, 13-24.	2.4	17
309	Search and tracking algorithms for swarms of robots: A survey. Robotics and Autonomous Systems, 2016, 75, 422-434.	3.0	134
310	Which explanatory role for mathematics in scientific models? Reply to "The Explanatory Dispensability of Idealizations― SynthÃ^se, 2016, 193, 387-401.	0.6	4
311	A study of cognitive strategies for an autonomous search. Information Fusion, 2016, 28, 1-9.	11.7	75
312	Is a nonlocal diffusion strategy convenient for biological populations in competition?. Journal of Mathematical Biology, 2017, 74, 113-147.	0.8	40
313	Sampling mobile oceanic fishes and sharks: implications for fisheries and conservation planning. Biological Reviews, 2017, 92, 627-646.	4.7	32

# 314	ARTICLE The Ecology of Human Mobility. Trends in Ecology and Evolution, 2017, 32, 198-210.	IF 4.2	CITATIONS
315	Nonlocal transmission problems with fractional diffusion and boundary conditions on non-smooth interfaces. Communications in Partial Differential Equations, 2017, 42, 579-625.	1.0	37
316	A Lévy-flight diffusion model to predict transgenic pollen dispersal. Journal of the Royal Society Interface, 2017, 14, 20160889.	1.5	19
317	What makes fish vulnerable to capture by hooks? A conceptual framework and a review of key determinants. Fish and Fisheries, 2017, 18, 986-1010.	2.7	92
318	Optimizing mating encounters by sexually dimorphic movements. Journal of the Royal Society Interface, 2017, 14, 20170086.	1.5	21
319	Optimal potentials for diffusive search strategies. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 185003.	0.7	10
320	Alcohol consumption, dependence and foraging. Journal of Substance Use, 2017, 22, 624-629.	0.3	2
321	Simulating individual-based movement in dynamic environments. Ecological Modelling, 2017, 356, 59-72.	1.2	10
322	Diel and seasonal patterns in activity and home range size of green turtles on their foraging grounds revealed by extended Fastloc-GPS tracking. Marine Biology, 2017, 164, 1.	0.7	61
323	Shallow divers, deep waters and the rise of behavioural stochasticity. Marine Biology, 2017, 164, 1.	0.7	14
324	A rigidity result for non-local semilinear equations. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2017, 147, 1009-1018.	0.8	3
325	Fractal analysis provides new insights into the complexity of marine mammal behavior: A review, two methods, their application to diving and surfacing patterns, and their relevance to marine mammal welfare assessment. Marine Mammal Science, 2017, 33, 847-879.	0.9	8
326	Lotka–Volterra models with fractional diffusion. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2017, 147, 505-528.	0.8	3
327	A New Type of Identification Problems: Optimizing the Fractional Order in a Nonlocal Evolution Equation. SIAM Journal on Control and Optimization, 2017, 55, 70-93.	1.1	37
328	The topography of the environment alters the optimal search strategy for active particles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11350-11355.	3.3	66
329	Modified differential evolution algorithm for contrast and brightness enhancement of satellite images. Applied Soft Computing Journal, 2017, 61, 622-641.	4.1	52
330	Effects of age and reproductive status on individual foraging site fidelity in a long-lived marine predator. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171068.	1.2	85
331	Random walks and diffusion on networks. Physics Reports, 2017, 716-717, 1-58.	10.3	420

#	Article	IF	CITATIONS
332	Nonstationary dynamics of encounters: Mean valuable territory covered by a random searcher. Physical Review E, 2017, 96, 032111.	0.8	5
333	Comparison of pure and combined search strategies for single and multiple targets. European Physical Journal B, 2017, 90, 1.	0.6	23
334	Oceanographic drivers of the vertical distribution of a highly migratory, endothermic shark. Scientific Reports, 2017, 7, 10434.	1.6	27
335	North Sea coastal ecology: Future challenges. Journal of Sea Research, 2017, 127, 227-230.	0.6	2
336	Big data analyses reveal patterns and drivers of the movements of southern elephant seals. Scientific Reports, 2017, 7, 112.	1.6	33
337	Autonomous change of behavior for environmental context: <scp>An</scp> intermittent search model with misunderstanding search pattern. Mathematical Methods in the Applied Sciences, 2017, 40, 7013-7021.	1.2	1
338	Foraging patterns in online searches. Physical Review E, 2017, 95, 032145.	0.8	8
339	Automatic carrier landing system based on active disturbance rejection control with a novel parameters optimizer. Aerospace Science and Technology, 2017, 69, 149-160.	2.5	81
340	Earthquake recurrence assessment of the active Shanchiao Fault in northern Taiwan. Natural Hazards, 2017, 88, 835-851.	1.6	0
341	Statistical modelling of individual animal movement: an overview of key methods and a discussion of practical challenges. AStA Advances in Statistical Analysis, 2017, 101, 399-438.	0.4	122
342	An efficient modified grey wolf optimizer with Lévy flight for optimization tasks. Applied Soft Computing Journal, 2017, 60, 115-134.	4.1	349
343	Infinite Speed of Propagation and Regularity of Solutions to the Fractional Porous Medium Equation in General Domains. Communications on Pure and Applied Mathematics, 2017, 70, 1472-1508.	1.2	27
344	High-frequency side-scan sonar fish reconnaissance by autonomous underwater vehicles. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 240-255.	0.7	14
345	The Weierstrassian movement patterns of snails. Royal Society Open Science, 2017, 4, 160941.	1.1	11
346	Robot Swarm for Efficient Area Coverage Inspired by Ant Foraging: The Case of Adaptive Switching Between Brownian Motion and Lévy Flight. , 2017, , .		11
347	Changing measurements or changing movements? Sampling scale and movement model identifiability across generations of biologging technology. Ecology and Evolution, 2017, 7, 9257-9266.	0.8	4
348	Identifying ecologically relevant scales of habitat selection: diel habitat selection in elk. Ecosphere, 2017, 8, e02013.	1.0	16
349	An overlapping community detection algorithm based on LÃ ${ m  ilde C}$ vy flight. , 2017, , .		Ο

#	Article	IF	CITATIONS
350	Fishing ground distribution of neon flying squid (Ommastrephes bartramii) in relation to oceanographic conditions in the Northwest Pacific Ocean. Journal of Ocean University of China, 2017, 16, 1157-1166.	0.6	6
351	Correlated Disorder in Myelinated Axons Orientational Geometry and Structure. Condensed Matter, 2017, 2, 29.	0.8	5
352	Fractional Diffusion Emulates a Human Mobility Network during a Simulated Disease Outbreak. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	9
353	Convergent Foraging Tactics of Marine Predators with Different Feeding Strategies across Heterogeneous Ocean Environments. Frontiers in Marine Science, 2017, 4, .	1.2	20
354	The evolutionary origins of Lévy walk foraging. PLoS Computational Biology, 2017, 13, e1005774.	1.5	67
355	Biogeophysical and physiological processes drive movement patterns in a marine predator. Movement Ecology, 2017, 5, 16.	1.3	20
356	Autonomous change of behavior for environmental context: An intermittent search model with misunderstanding search pattern. AIP Conference Proceedings, 2017, , .	0.3	0
357	Convergence of marine megafauna movement patterns in coastal and open oceans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3072-3077.	3.3	103
358	Optimizing random searches on three-dimensional lattices. Physica A: Statistical Mechanics and Its Applications, 2018, 501, 120-125.	1.2	5
359	Primates adjust movement strategies due to changing food availability. Behavioral Ecology, 2018, 29, 368-376.	1.0	35
360	Entrotaxis as a strategy for autonomous search and source reconstruction in turbulent conditions. Information Fusion, 2018, 42, 179-189.	11.7	65
361	Nanoscale Correlated Disorder in Out-of-Equilibrium Myelin Ultrastructure. ACS Nano, 2018, 12, 729-739.	7.3	19
362	Plasticity in the diel vertical movement of two pelagic predators ( <i>Prionace glauca</i> and) Tj ETQq0 0 0 rgBT /	Overlock 1	.0 Tf 50 262
363	Using stable distributions to characterize proton pencil beams. Medical Physics, 2018, 45, 2278-2288.	1.6	4
364	A class of shape optimization problems for some nonlocal operators. Advances in Calculus of Variations, 2018, 11, 373-386.	0.7	8
365	Applications of random search methods to foraging in ecological environments and other natural phenomena–A review. Environmetrics, 2018, 29, e2451.	0.6	2
366	Continuity results with respect to domain perturbation for the fractional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml1" display="inline" overflow="scroll" altimg="si1.gif"&gt;<mml:mi>p</mml:mi>-Laplacian. Applied Mathematics Letters, 2018, 75, 59-67.</mml:math 	1,5	2
367	Best dispersal strategies in spatially heterogeneous environments: optimization of the principal eigenvalue for indefinite fractional Neumann problems. Journal of Mathematical Biology, 2018, 76, 1357-1386.	0.8	24

#	Article	IF	CITATIONS
368	Analytics of movement through checkpoints. International Journal of Geographical Information Science, 2018, 32, 1282-1303.	2.2	11
369	Can <scp>Al</scp> predict animal movements? Filling gaps in animal trajectories using inverse reinforcement learning. Ecosphere, 2018, 9, e02447.	1.0	23
370	Evidence for encounter-conditional, area-restricted search in a preliminary study of Colombian blowgun hunters. PLoS ONE, 2018, 13, e0207633.	1.1	15
371	Lévy foraging patterns of rural humans. PLoS ONE, 2018, 13, e0199099.	1.1	30
372	Acousticâ€ŧelemetry payload control of an autonomous underwater vehicle for mapping tagged fish. Limnology and Oceanography: Methods, 2018, 16, 760-772.	1.0	4
373	Lévy-like movement patterns of metastatic cancer cells revealed in microfabricated systems and implicated in vivo. Nature Communications, 2018, 9, 4539.	5.8	73
374	Small systems of laser-driven active Brownian particles: Evolution and dynamic entropy. Europhysics Letters, 2018, 124, 45001.	0.7	10
375	Anxiety and exploratory behavior in the African striped mouse, <i>Rhabdomys</i> , taxa are partially modified by the physical rearing environment. Developmental Psychobiology, 2019, 61, 179-190.	0.9	4
376	Developing Efficient Random Flight Searches in Bounded Domains. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2018, , 161-178.	0.0	0
377	Satellite Tracking Sea Turtles: Opportunities and Challenges to Address Key Questions. Frontiers in Marine Science, 2018, 5, .	1.2	80
378	An efficient opposition based Lévy Flight Antlion optimizer for optimization problems. Journal of Computational Science, 2018, 29, 119-141.	1.5	54
379	Passive particles Lévy walk through turbulence mirroring the diving patterns of marine predators. Journal of Physics Communications, 2018, 2, 085003.	0.5	5
380	A Generalized Crank-Nicolson Method for the Solution of the Subdiffusion Equation. , 2018, , .		1
382	The concentration-compactness principle for fractional order Sobolev spaces in unbounded domains and applications to the generalized fractional Brezis–Nirenberg problem. Nonlinear Differential Equations and Applications, 2018, 25, 1.	0.4	23
383	Multi-dimensional Precision Livestock Farming: a potential toolbox for sustainable rangeland management. PeerJ, 2018, 6, e4867.	0.9	28
384	Entangled time in flocking: Multi-time-scale interaction reveals emergence of inherent noise. PLoS ONE, 2018, 13, e0195988.	1.1	6
385	Mobility and Location Choice of Offenders. , 2018, , .		1
386	High-veracity functional imaging in scanning probe microscopy via Graph-Bootstrapping. Nature Communications, 2018, 9, 2428.	5.8	12

		CITATION REPORT		
#	Article		IF	Citations
387	Revealing the full ocean migration of individual Atlantic salmon. Animal Biotelemetry, 2	018, 6, .	0.8	35
388	A general model of forager search: Adaptive encounter-conditional heuristics outperfor flights in the search for patchily distributed prey. Journal of Theoretical Biology, 2018, 4	m Lévy ⊦55, 357-369.	0.8	13
389	The shape of a memorised random walk. Journal of Statistical Mechanics: Theory and Ex 2018, 083207.	periment, 2018,	0.9	2
390	Radial symmetry for positive solutions of fractional p-Laplacian equations via constrain minimization method. Applied Mathematics and Computation, 2018, 337, 54-62.	ed	1.4	3
391	Characterizing snow crab ( <i>Chionoecetes opilio</i> ) movements in the Sydney Bight and Aquatic Sciences, 2019, 76, 334-346.	(Nova Scotia,) Tj ETQqO (	0 0 rgBT /C 0.7	Overlock 10 20
392	Analysis of Cuckoo Search Efficiency. , 2019, , .			3
393	A New Framework for Metaheuristic Search Based on Animal Foraging. Lecture Notes ir Engineering, 2019, , 173-181.	ı Electrical	0.3	0
394	Migratory corridor linking Atlantic green turtle, Chelonia mydas, nesting site on Bioko I Equatorial Guinea to Ghanaian foraging grounds. PLoS ONE, 2019, 14, e0213231.	sland,	1.1	12
395	Animal-Borne Telemetry: An Integral Component of the Ocean Observing Toolkit. Front Science, 2019, 6, .	iers in Marine	1.2	127
396	First-passage properties of asymmetric Lévy flights. Journal of Physics A: Mathematic Theoretical, 2019, 52, 454004.	al and	0.7	30
397	Habitat use, seasonality and demography of the broadnose sevengill shark <i>Notorynd cepedianus</i> in central Patagonia: Another piece of the puzzle. Austral Ecology, 2019	:hus ), 44, 1463-1470.	0.7	9
398	Approach to the inverse problem of superdiffusion on finite systems based on time-dep long-range navigation. Physical Review E, 2019, 100, 030101.	endent	0.8	3
399	Integrating the influence of weather into mechanistic models of butterfly movement. N Ecology, 2019, 7, 24.	lovement	1.3	13
400	Resource distribution and internal factors interact to govern movement of a freshwater Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191610.	' snail.	1.2	9
401	Optimal foraging and the information theory of gambling. Journal of the Royal Society 116, 20190162.	nterface, 2019,	1.5	14
402	Existence and approximation of nonlocal optimal design problems driven by parabolic e Mathematical Methods in the Applied Sciences, 2019, 42, 6049-6066.	quations.	1.2	3
403	Biased Lévy-walk pattern in the exploratory behavior of the Physarum plasmodium. B 182, 52-58.	ioSystems, 2019,	0.9	6
404	Adaptive switch to sexually dimorphic movements by partner-seeking termites. Science 5, eaau6108.	Advances, 2019,	4.7	26

		CITATION RE	PORT	
#	Article		IF	CITATIONS
405	Ocean predation and mortality of adult Atlantic salmon. Scientific Reports, 2019, 9, 78	90.	1.6	41
406	Resynthesizing behavior through phylogenetic refinement. Attention, Perception, and P 2019, 81, 2265-2287.	sychophysics,	0.7	160
407	Environmental drivers of humpback whale foraging behavior in the remote Southern Oc of Experimental Marine Biology and Ecology, 2019, 517, 1-12.	ean. Journal	0.7	21
408	The Galerkin–Fourier method for the study of nonlocal parabolic equations. Zeitschrif Angewandte Mathematik Und Physik, 2019, 70, 1.	t Fur	0.7	1
409	Analysing the impact of trap shape and movement behaviour of groundâ€dwelling arth efficiency. Methods in Ecology and Evolution, 2019, 10, 1246-1264.	ropods on trap	2.2	31
410	Nahua mushroom gatherers use area-restricted search strategies that conform to marg theorem predictions. Proceedings of the National Academy of Sciences of the United St America, 2019, 116, 10339-10347.	nal value ates of	3.3	34
411	Multiple tracking and machine learning reveal dopamine modulation for area-restricted behaviors via velocity change in Caenorhabditis elegans. Neuroscience Letters, 2019, 70	foraging )6, 68-74.	1.0	4
412	Fitting methods and seasonality effects on the assessment of pelagic fish communities China. Ecological Indicators, 2019, 103, 346-354.	in Daya Bay,	2.6	4
413	Fractional order Orlicz-Sobolev spaces. Journal of Functional Analysis, 2019, 277, 333-3	67.	0.7	71
414	From Biology to Physics and Back: The Problem of Brownian Movement. Annual Review Matter Physics, 2019, 10, 275-293.	of Condensed	5.2	14
415	Population connectivity of pelagic megafauna in the Cuba-Mexico-United States triangl Reports, 2019, 9, 1663.	e. Scientific	1.6	32
416	SiMRiv: an R package for mechanistic simulation of individual, spatially-explicit multistation in rivers, heterogeneous and homogeneous spaces incorporating landscape bias. Mover 2019, 7, 11.		1.3	17
417	Lévy walk process in self-organization of pedestrian crowds. Journal of the Royal Soci 2019, 16, 20180939.	ety Interface,	1.5	35
418	Uniqueness of minimal energy solutions for a semilinear problem involving the fractiona Proceedings of the American Mathematical Society, 2019, 147, 2925-2936.	I Laplacian.	0.4	3
419	Satellite Remote Sensing in Shark and Ray Ecology, Conservation and Management. Fro Science, 2019, 6, .	ontiers in Marine	1.2	23
420	Parallel Multimodal Circuits Control an Innate Foraging Behavior. Neuron, 2019, 102, 4	07-419.e8.	3.8	60
421	Adolescent offenders' current whereabouts predict locations of their future crimes. PLo 14, e0210733.	S ONE, 2019,	1.1	16
422	Harris hawks optimization: Algorithm and applications. Future Generation Computer Sy 849-872.	stems, 2019, 97,	4.9	3,345

#	Article	IF	CITATIONS
423	Search optimization, funnel topography, and dynamical criticality on the string landscape. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 014-014.	1.9	14
424	Fractional dynamics on circulant multiplex networks: optimal coupling and long-range navigation for continuous-time random walks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 123302.	0.9	6
425	Heteroclinic connections for nonlocal equations. Mathematical Models and Methods in Applied Sciences, 2019, 29, 2585-2636.	1.7	6
426	Information-Based Search for an Atmospheric Release Using a Mobile Robot: Algorithm and Experiments. IEEE Transactions on Control Systems Technology, 2019, 27, 2388-2402.	3.2	50
427	What, where and when: spatial foraging decisions in primates. Biological Reviews, 2019, 94, 483-502.	4.7	82
428	The Impact of Fisheries Discards on Scavengers in the Sea. , 2019, , 129-162.		8
429	Risk and resilience: High stakes for sharks making transjurisdictional movements to use a conservation area. Biological Conservation, 2019, 230, 58-66.	1.9	8
430	Fokker-Planck equation driven by asymmetric Lévy motion. Advances in Computational Mathematics, 2019, 45, 787-811.	0.8	4
431	Symmetry of components and Liouville-type theorems for semilinear elliptic systems involving the fractional Laplacian. Nonlinear Analysis: Theory, Methods & Applications, 2019, 180, 208-224.	0.6	10
432	Space-time fractional diffusion in cell movement models with delay. Mathematical Models and Methods in Applied Sciences, 2019, 29, 65-88.	1.7	23
433	Information-Driven Autonomous Search and Source Reconstruction Using Cooperative Mobile Sensors. , 2019, , .		2
434	Movements and habitat use of juvenile silky sharks in the Pacific Ocean inform conservation strategies. Fisheries Research, 2019, 210, 131-142.	0.9	24
435	Oceanic nomad or coastal resident? Behavioural switching in the shortfin mako shark (Isurus) Tj ETQq0 0 0 rgBT	Oyerlock	10 Tf 50 262
436	Three solutions for a nonlocal problem with critical growth. Journal of Mathematical Analysis and Applications, 2019, 469, 841-851.	0.5	5
437	On the decay at infinity of solutions of fractional SchrĶdinger equations. Complex Variables and Elliptic Equations, 2020, 65, 141-151.	0.4	1
438	Some bifurcation results for fractional Laplacian problems. Nonlinear Analysis: Theory, Methods & Applications, 2020, 191, 111642.	0.6	3
439	Deep learning enabled Lagrangian particle trajectory simulation. Journal of Aerosol Science, 2020, 139, 105468.	1.8	8
	Coarse- and fine-scale acoustic telemetry elucidates movement patterns and temporal variability in		

440	Coarse- and fine-scale acoustic telemetry elucidates movement patterns and temporal variability in individual territories for a key coastal mesopredator. Environmental Biology of Fishes, 2020, 103, 13, 29	0.4	10
	13-29.		

#	Article	IF	CITATIONS
441	Spatial scaling of multiple landscape features in the conterminous United States. Landscape Ecology, 2020, 35, 223-247.	1.9	18
442	<pre><mml:math altimg="si3.svg" display="inline" id="d1e21" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow></mml:msup></mml:math></pre>	:mi>1.5	l:ʉrow>
443	Patterns of Cannabis Consumption, Social Networks, and Foraging. Journal of Drug Issues, 2020, 50, 63-76.	0.6	2
444	Finite element methods for fractional-order diffusion problems with optimal convergence order. Computers and Mathematics With Applications, 2020, 80, 2105-2114.	1.4	1
445	Parameters extraction of single and double diodes photovoltaic models using Marine Predators Algorithm and Lambert W function. Solar Energy, 2020, 209, 674-693.	2.9	81
446	Optimizing multiple ONUs placement in Fiber-Wireless (FiWi) access network using Grasshopper and Harris Hawks Optimization Algorithms. Optical Fiber Technology, 2020, 60, 102357.	1.4	14
447	Anomalous versus Normal Room-Temperature Diffusion of Metal Adatoms on Graphene. Journal of Physical Chemistry Letters, 2020, 11, 8930-8936.	2.1	14
448	An Improved Moth Flame Optimization Algorithm for Minimizing Specific Fuel Consumption of Variable Cycle Engine. IEEE Access, 2020, 8, 142725-142735.	2.6	2
449	Entrotaxis-Jump as a hybrid search algorithm for seeking an unknown emission source in a large-scale area with road network constraint. Expert Systems With Applications, 2020, 157, 113484.	4.4	26
450	Exploratory dynamics of vocal foraging during infant-caregiver communication. Scientific Reports, 2020, 10, 10469.	1.6	9
451	Development of an automatic turntable-type multiple T-maze device and observation of pill bug behavior. Review of Scientific Instruments, 2020, 91, 104104.	0.6	11
452	Central place foraging drives niche partitioning in seabirds. Oikos, 2020, 129, 1704-1713.	1.2	11
453	Temporal Patterns Underlying Domestic Departure Passengers Behavior in the Airport. IEEE Access, 2020, 8, 127969-127980.	2.6	2
454	Fractional-in-Time Semilinear Parabolic Equations and Applications. Mathématiques Et Applications, 2020, , .	0.6	26
455	Functional advantages of Lévy walks emerging near a critical point. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24336-24344.	3.3	24
456	Modified Harris Hawks Optimization Algorithm for Global Optimization Problems. Arabian Journal for Science and Engineering, 2020, 45, 10949-10974.	1.7	39
457	Termite males enhance mating encounters by changing speed according to density. Journal of Animal Ecology, 2020, 89, 2542-2552.	1.3	18
458	Solving the Optimal Reactive Power Dispatch Using Marine Predators Algorithm Considering the Uncertainties in Load and Wind-Solar Generation Systems. Energies, 2020, 13, 4316.	1.6	59

#	Article	IF	CITATIONS
459	Lévy noise-driven escape from arctangent potential wells. Chaos, 2020, 30, 123103.	1.0	11
460	Ranging Ecology: The View from Above. Current Biology, 2020, 30, R1378-R1380.	1.8	0
461	Shark movement strategies influence poaching risk and can guide enforcement decisions in a large, remote marine protected area. Journal of Applied Ecology, 2020, 57, 1782-1792.	1.9	37
462	Modeling navigation by weaver ants in an unfamiliar, featureless environment. Physical Review E, 2020, 101, 052404.	0.8	2
463	A Framework for Nonlocal, Nonlinear Initial Value Problems. SIAM Journal on Mathematical Analysis, 2020, 52, 2383-2410.	0.9	3
464	On a Minimum Distance Procedure for Threshold Selection in Tail Analysis. SIAM Journal on Mathematics of Data Science, 2020, 2, 75-102.	1.0	13
465	Marine Predators Algorithm: A nature-inspired metaheuristic. Expert Systems With Applications, 2020, 152, 113377.	4.4	1,239
466	Jellyfish and Fish Solve the Challenges of Turning Dynamics Similarly to Achieve High Maneuverability. Fluids, 2020, 5, 106.	0.8	13
467	Customizable Recorder of Animal Kinesis (CRoAK): A multi-axis instrumented enclosure for measuring animal movements. HardwareX, 2020, 8, e00116.	1.1	3
468	Numerical analysis and applications of Fokker-Planck equations for stochastic dynamical systems with multiplicative α-stable noises. Applied Mathematical Modelling, 2020, 87, 711-730.	2.2	7
469	An inverse problem for the fractional Schrödinger equation in a magnetic field. Inverse Problems, 2020, 36, 045004.	1.0	18
470	Inverse Square Lévy Walks are not Optimal Search Strategies for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;<mml:mi>d</mml:mi><mml:mo>≥</mml:mo><mml:mn>2</mml:mn>. Physical Review Letters. 2020. 124. 080601.</mml:math 	2.9	38
471	A Langevin dynamics approach to the distribution of animal move lengths. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 023406.	0.9	4
472	Using fisheries data to model the oceanic habitats of juvenile silky shark (Carcharhinus falciformis) in the tropical eastern Atlantic Ocean. Biodiversity and Conservation, 2020, 29, 2377-2397.	1.2	22
473	Multi-population differential evolution-assisted Harris hawks optimization: Framework and case studies. Future Generation Computer Systems, 2020, 111, 175-198.	4.9	259
474	Fractional pâ€Laplacian problem with indefinite weight in RN: Eigenvalues and existence. Mathematical Methods in the Applied Sciences, 2021, 44, 2585-2599.	1.2	4
475	The role of the range of dispersal in a nonlocal Fisher-KPP equation: An asymptotic analysis. Communications in Contemporary Mathematics, 2021, 23, 2050032.	0.6	2
476	The Free-movement pattern Y-maze: A cross-species measure of working memory and executive function. Behavior Research Methods, 2021, 53, 536-557.	2.3	43

#	Article	IF	CITATIONS
477	Hunters, busybodies and the knowledge network building associated with deprivation curiosity. Nature Human Behaviour, 2021, 5, 327-336.	6.2	47
478	Quantifying people's experience during flood events with implications for hazard risk communication. PLoS ONE, 2021, 16, e0244801.	1.1	1
479	Local boundedness and Hölder continuity for the parabolic fractional p-Laplace equations. Calculus of Variations and Partial Differential Equations, 2021, 60, 1.	0.9	21
480	TLMPA: Teaching-learning-based Marine Predators algorithm. AIMS Mathematics, 2020, 6, 1395-1442.	0.7	25
481	An Efficient Marine Predators Algorithm for Feature Selection. IEEE Access, 2021, 9, 60136-60153.	2.6	75
482	A Levy Flight Sine Cosine Algorithm for Global Optimization Problems. International Journal of Distributed Systems and Technologies, 2021, 12, 49-66.	0.6	4
483	A Novel Theoretical and Practical Methodology for Extracting the Parameters of the Single and Double Diode Photovoltaic Models. SSRN Electronic Journal, 0, , .	0.4	2
484	A recipe for an optimal power law tailed walk. Chaos, 2021, 31, 023128.	1.0	6
485	Prey Preferences and Body Mass Most Influence Movement Behavior and Home Range Area of Komodo Dragons. Ichthyology and Herpetology, 2021, 109, .	0.3	2
486	From diffusion in compartmentalized media to non-Gaussian random walks. Scientific Reports, 2021, 11, 5101.	1.6	15
487	Foraging behavior in visual search: A review of theoretical and mathematical models in humans and animals. Psychological Research, 2022, 86, 331-349.	1.0	9
488	Toward a least-effort principle for evaluating prices of elements as indicators of sustainability. MRS Energy & Sustainability, 2021, 8, 16-32.	1.3	3
489	Intermittent inverse-square Lévy walks are optimal for finding targets of all sizes. Science Advances, 2021, 7, .	4.7	18
490	Lévy Gradient Descent: Augmented Random Search for Geophysical Inverse Problems. Surveys in Geophysics, 2021, 42, 899-921.	2.1	3
491	Power Laws Derived from a Bayesian Decision-Making Model in Non-Stationary Environments. Symmetry, 2021, 13, 718.	1.1	2
492	A review and tests of validation and sensitivity of geolocation models for marine fish tracking. Fish and Fisheries, 2021, 22, 1041-1066.	2.7	13
493	A note on "The distribution of union size: Canada, 1913–2014― Physica A: Statistical Mechanics and Its Applications, 2021, 570, 125786.	1.2	0
494	Quantifying model uncertainty for the observed non-Gaussian data by the Hellinger distance. Communications in Nonlinear Science and Numerical Simulation, 2021, 96, 105720.	1.7	1

#	Article	IF	CITATIONS
495	Remote Sensing–Based Urban Green Space Detection Using Marine Predators Algorithm Optimized Machine Learning Approach. Mathematical Problems in Engineering, 2021, 2021, 1-22.	0.6	14
496	Lévy walk dynamics explain gamma burst patterns in primate cerebral cortex. Communications Biology, 2021, 4, 739.	2.0	11
497	Heavy-tailed distributions in haptic perception of wielded rods. Experimental Brain Research, 2021, 239, 2331-2343.	0.7	0
498	Search efficiency of discrete fractional Brownian motion in a random distribution of targets. Physical Review Research, 2021, 3, .	1.3	8
500	First-passage problem for stochastic differential equations with combined parametric Gaussian and Lévy white noises via path integral method. Journal of Computational Physics, 2021, 435, 110264.	1.9	30
501	The foraging perspective in criminology: A review of research literature. European Journal of Criminology, 0, , 147737082110258.	1.5	3
503	On some partial data Calderón type problems with mixed boundary conditions. Journal of Differential Equations, 2021, 288, 141-203.	1.1	3
504	A role for lakes in revealing the nature of animal movement using high dimensional telemetry systems. Movement Ecology, 2021, 9, 40.	1.3	13
505	Oceanic Diel Vertical Movement Patterns of Blue Sharks Vary With Water Temperature and Productivity to Change Vulnerability to Fishing. Frontiers in Marine Science, 2021, 8, .	1.2	13
506	Search via Parallel Lévy Walks on Z2. , 2021, , .		3
506 508	Search via Parallel Lévy Walks on Z2. , 2021, , . The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159.	5.1	3 35
	The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review	5.1	
508	The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159. Description of an ecological niche for a mixed local/nonlocal dispersal: An evolution equation and a new Neumann condition arising from the superposition of Brownian and Lévy processes. Physica A:		35
508 509	<ul> <li>The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159.</li> <li>Description of an ecological niche for a mixed local/nonlocal dispersal: An evolution equation and a new Neumann condition arising from the superposition of Brownian and Lévy processes. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126052.</li> <li>Anomalous Diffusion and Lévy Walks Distinguish Active from Inertial Turbulence. Physical Review</li> </ul>	1.2	35 29
508 509 510	The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159. Description of an ecological niche for a mixed local/nonlocal dispersal: An evolution equation and a new Neumann condition arising from the superposition of Brownian and Lévy processes. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126052. Anomalous Diffusion and Lévy Walks Distinguish Active from Inertial Turbulence. Physical Review Letters, 2021, 127, 118001. Comprehensive analytical approaches reveal speciesâ€specific search strategies in sympatric apex	1.2 2.9	35 29 27
508 509 510 511	The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159. Description of an ecological niche for a mixed local/nonlocal dispersal: An evolution equation and a new Neumann condition arising from the superposition of Brownian and Lévy processes. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126052. Anomalous Diffusion and Lévy Walks Distinguish Active from Inertial Turbulence. Physical Review Letters, 2021, 127, 118001. Comprehensive analytical approaches reveal speciesâ€specific search strategies in sympatric apex predatory sharks. Ecography, 2021, 44, 1544-1556. A self-adaptive hybridized differential evolution naked mole-rat algorithm for engineering	1.2 2.9 2.1	35 29 27 2
508 509 510 511 512	<ul> <li>The Functional and Ecological Significance of Deep Diving by Large Marine Predators. Annual Review of Marine Science, 2022, 14, 129-159.</li> <li>Description of an ecological niche for a mixed local/nonlocal dispersal: An evolution equation and a new Neumann condition arising from the superposition of Brownian and L©vy processes. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126052.</li> <li>Anomalous Diffusion and L©vy Walks Distinguish Active from Inertial Turbulence. Physical Review Letters, 2021, 127, 118001.</li> <li>Comprehensive analytical approaches reveal speciesâ€specific search strategies in sympatric apex predatory sharks. Ecography, 2021, 44, 1544-1556.</li> <li>A self-adaptive hybridized differential evolution naked mole-rat algorithm for engineering optimization problems. Computer Methods in Applied Mechanics and Engineering, 2021, 383, 113916.</li> <li>An Optimized Adaptive Protection Scheme for Numerical and Directional Overcurrent Relay</li> </ul>	1.2 2.9 2.1 3.4	35 29 27 2 20

ARTICLE IF CITATIONS # Lévy Walk in Swarm Models Based on Bayesian and Inverse Bayesian Inference. Computational and 517 1.9 11 Structural Biotechnology Journal, 2021, 19, 247-260. Hybrid Harris Hawks Optimization with Differential Evolution for Data Clustering. Studies in Computational Intelligence, 2021, , 267-299. Numerical Method for the One Phase 1D Fractional Stefan Problem Supported by an Artificial Neural 519 0.5 4 Network. Advances in Intelligent Systems and Computing, 2021, , 568-587. Search for Food of Birds, Fish and Insects., 2018, , 49-69. 521 Microparticle transport networks with holographic optical tweezers and cavitation bubbles. Optics 527 1.7 4 Letters, 2019, 44, 4610. Inferring cell state by quantitative motility analysis reveals a dynamic state system and broken detailed balance. PLoS Computational Biology, 2018, 14, e1005927. 1.5 Modeling the Spatial Distribution and Fruiting Pattern of a Key Tree Species in a Neotropical Forest: 529 1.1 44 Methodology and Potential Applications. PLoS ONE, 2010, 5, e15002. Statistical Analyses Support Power Law Distributions Found in Neuronal Avalanches. PLoS ONE, 2011, 1.1 6, e19779. 531 Zigzag Turning Preference of Freely Crawling Cells. PLoS ONE, 2011, 6, e20255. 28 1.1 Individual Analyses of Lévy Walk in Semi-Free Ranging Tonkean Macaques (Macaca tonkeana). PLoS ONE, 1.1 2011, 6, e26788. Spatial Dynamics and Expanded Vertical Niche of Blue Sharks in Oceanographic Fronts Reveal Habitat 533 1.1 78 Targets for Conservation. PLoS ONE, 2012, 7, e32374. Constructing a Stochastic Model of Bumblebee Flights from Experimental Data. PLoS ONE, 2013, 8, 534 1.1 e59036. Adaptive Lévy Processes and Area-Restricted Search in Human Foraging. PLoS ONE, 2013, 8, e60488. 535 1.1 90 Motile Male Gametes of the Araphid Diatom Tabularia fasciculata Search Randomly for Mates. PLoS 1.1 ONE, 2014, 9, e101767. Generalized Pareto for Pattern-Oriented Random Walk Modelling of Organisms' Movements. PLoS 537 2 1.1 ONE, 2015, 10, e0132231. Ringed Seal Search for Global Optimization via a Sensitive Search Model. PLoS ONE, 2016, 11, e0144371. 1.1 Computational Methods for Tracking, Quantitative Assessment, and Visualization of C. elegans 539 1.1 13 Locomotory Behavior. PLoS ONE, 2015, 10, e0145870. Space Use and Movement Patterns in a Semi-Free-Ranging Herd of European Bison (Bison bonasus). PLoS 540 1.1 ONE, 2016, 11, e0147404.

#	Article	IF	CITATIONS
541	Revisiting the vulnerability of juvenile bigeye (Thunnus obesus) and yellowfin (T. albacares) tuna caught by purse-seine fisheries while associating with surface waters and floating objects. PLoS ONE, 2017, 12, e0179045.	1.1	15
542	Optimal rearrangement problem and normalized obstacle problem in the fractional setting. Advances in Nonlinear Analysis, 2020, 9, 1592-1606.	1.3	5
543	Jumping to Conclusion? A Lévy Flight Model of Decision Making. The Quantitative Methods for Psychology, 2020, 16, 120-132.	0.6	12
544	The Fractal Primate:. Primate Research, 2014, 30, 95-119.	0.0	13
545	Ontogeny in marine tagging and tracking science: technologies and data gaps. Marine Ecology - Progress Series, 2012, 457, 221-240.	0.9	158
546	Depth and temperature preferences of the deepwater flatfish Greenland halibut Reinhardtius hippoglossoides in an Arctic marine ecosystem. Marine Ecology - Progress Series, 2012, 467, 193-205.	0.9	30
547	Corticosterone administration leads to a transient alteration of foraging behaviour and complexity in a diving seabird. Marine Ecology - Progress Series, 2014, 496, 249-262.	0.9	22
548	Density of reef sharks estimated by applying an agent-based model to video surveys. Marine Ecology - Progress Series, 2014, 508, 201-209.	0.9	9
549	Lévy night flights by the jellyfish Periphylla periphylla. Marine Ecology - Progress Series, 2014, 513, 121-130.	0.9	6
550	Consistent variation in individual migration strategies of brown skuas. Marine Ecology - Progress Series, 2017, 578, 213-225.	0.9	22
551	Two's company, three's a crowd: fine-scale habitat partitioning by depth among sympatric species of marine mesopredator. Marine Ecology - Progress Series, 2016, 561, 173-187.	0.9	31
552	Foraging behavior of juvenile loggerhead sea turtles in the open ocean: from Lévy exploration to area-restricted search. Marine Ecology - Progress Series, 2018, 595, 203-215.	0.9	14
553	Diverse resource-use strategies in a large-bodied marine predator guild: evidence from differential use of resource subsidies and intraspecific isotopic variation. Marine Ecology - Progress Series, 2019, 623, 71-83.	0.9	20
554	Non-Gaussian dynamics of a tumor growth system with immunization. Inverse Problems and Imaging, 2013, 7, 697-716.	0.6	3
555	A logistic equation with nonlocal interactions. Kinetic and Related Models, 2017, 10, 141-170.	0.5	25
556	Nonlocal elliptic equations in bounded domains: a survey. Publicacions Matematiques, 2016, 60, 3-26.	0.2	135
557	An Improved Particle Swarm Optimization for Protein Folding Prediction. International Journal of Information Engineering and Electronic Business, 2011, 3, 1-8.	1.0	18
558	Probabilistic analysis of the lateral diffusion of secondary electrons in multicarrier multipactor. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 220205.	0.2	4

#	Article	IF	CITATIONS
559	Lévy-like Distribution Shown by Intermittent Search Model with Misunderstanding Switch Pattern. , 0, , .		1
560	Maximally informative foraging by Caenorhabditis elegans. ELife, 2014, 3, .	2.8	98
561	Looking for blood. ELife, 2015, 4, .	2.8	1
562	A stochastic neuronal model predicts random search behaviors at multiple spatial scales in C. elegans. ELife, 2016, 5, .	2.8	83
563	Optimal searching behaviour generated intrinsically by the central pattern generator for locomotion. ELife, 2019, 8, .	2.8	44
564	Modelling foraging movements of diving predators: a theoretical study exploring the effect of heterogeneous landscapes on foraging efficiency. PeerJ, 2014, 2, e544.	0.9	4
565	Different Collective Behaviors in Different Small Schools of <i>Plecoglossus altivelis</i> . Transactions of the Society of Instrument and Control Engineers, 2016, 52, 257-263.	0.1	1
566	A strategy for autonomous source searching using the Gaussian Mixture Model to fit the estimate of the source location. , 2021, , .		1
567	Bayesian inference of Lévy walks via hidden Markov models. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 484001.	0.7	12
568	The scent of fear makes sea urchins go ballistic. Movement Ecology, 2021, 9, 50.	1.3	4
569	Architecture and Design Among Plants and Animals: Convergent and Divergent Developmental Mechanisms. Cellular Origin and Life in Extreme Habitats, 2012, , 325-341.	0.3	0
571	Cyclical game coupling with Levy flight and Brownian motion and stable coexistence conditions of species. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 168701.	0.2	1
572	Random Walks. , 2014, , 389-424.		0
574	Coalitional Search and Swarm Dynamics. , 2015, , 171-244.		0
576	Global threshold analysis of multicarrier multipactor based on the critical density of electrons. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 047901.	0.2	0
578	Effects of Locomotive Drift in Scale-Invariant Robotic Search Strategies. Lecture Notes in Computer Science, 2017, , 161-169.	1.0	2
579	Chile2015: Lévy Flight and Long-Range Correlation Analysis of Earthquake Magnitudes in Chile. , 2017, , 113-122.		0
587	Systems of Fractional Kinetic Equations. Mathématiques Et Applications, 2020, , 125-152.	0.6	Ο

#	Article	IF	CITATIONS
588	Vertical and horizontal movements of bigeye tuna ( <i>Thunnus obesus</i> ) in southeastern Taiwan. Marine and Freshwater Behaviour and Physiology, 2021, 54, 1-21.	0.4	4
589	Habitat-Dependent Search Behavior in the Colorado Checkered Whiptail (Aspidoscelis neotesselata). Western North American Naturalist, 2020, 80, 11.	0.2	4
591	A learning automata-based hybrid MPA and JS algorithm for numerical optimization problems and its application on data clustering. Knowledge-Based Systems, 2022, 236, 107682.	4.0	18
593	An Improved Animal Migration Optimization Algorithm to Train the Feed-Forward Artificial Neural Networks. Arabian Journal for Science and Engineering, 2022, 47, 9557-9581.	1.7	10
595	Resource ephemerality influences effectiveness of altruistic behavior in collective foraging. Swarm Intelligence, 2021, 15, 427-457.	1.3	1
598	An Effective Coordination Setting for Directional Overcurrent Relays Using Modified Harris Hawk Optimization. Electronics (Switzerland), 2021, 10, 3007.	1.8	8
599	Global existence, exponential decay and blow-up of solutions for a class of fractional pseudo-parabolic equations with logarithmic nonlinearity. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 4337.	0.6	3
600	Group size and resource fractality drive multimodal search strategies: A quantitative analysis on group foraging. Physica A: Statistical Mechanics and Its Applications, 2022, 590, 126702.	1.2	5
601	EEG/ERP signal enhancement through an optimally tuned adaptive filter based on marine predators algorithm. Biomedical Signal Processing and Control, 2022, 73, 103427.	3.5	13
602	Drivers of fineâ€scale diurnal space use by a coralâ€reef mesopredatory fish. Journal of Fish Biology, 2022, 100, 1009-1024.	0.7	4
603	The evolutionary maintenance of Lévy flight foraging. PLoS Computational Biology, 2022, 18, e1009490.	1.5	14
604	Trade-offs between foraging reward and mortality risk drive sex-specific foraging strategies in sexually dimorphic northern elephant seals. Royal Society Open Science, 2022, 9, 210522.	1.1	17
605	Front Propagation of Exponentially Truncated Fractional-Order Epidemics. Fractal and Fractional, 2022, 6, 53.	1.6	3
606	A Novel Theoretical and Practical Methodology for Extracting the Parameters of the Single and Double Diode Photovoltaic Models. IEEE Access, 2022, 10, 11110-11137.	2.6	23
607	Exact and approximate mean first passage times on trees and other necklace structures: a local equilibrium approach. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 115001.	0.7	4
608	A fractional diffusion model of CD8+ T cells response to parasitic infection in the brain. Mathematical Modelling of Natural Phenomena, 2022, 17, 3.	0.9	0
609	Efficient approach to time-dependent super-diffusive Lévy random walks on finite 2D-tori using circulant analogues. Physica A: Statistical Mechanics and Its Applications, 2022, 592, 126833.	1.2	0
610	Three-dimensional pattern dynamics of a fractional predator-prey model with cross-diffusion and herd behavior. Applied Mathematics and Computation, 2022, 421, 126955.	1.4	6

#	Article	IF	CITATIONS
611	Adaptive Guided Spatial Compressive Cuckoo Search for Optimization Problems. Mathematics, 2022, 10, 495.	1.1	2
612	Macroscopic limit of a kinetic model describing the switch in T cell migration modes via binary interactions. European Journal of Applied Mathematics, 0, , 1-27.	1.4	0
613	Hunting forÂDual-Target Set onÂaÂClass ofÂHierarchical Networks. Lecture Notes in Computer Science, 2022, , 94-111.	1.0	0
614	A Generalized Distribution Interpolated between the Exponential and Power Law Distributions and Applied to Pill Bug (Armadillidium Vulgare) Walking Data. SSRN Electronic Journal, 0, , .	0.4	0
615	Characteristic and affecting factors of wetland herbs' distribution in the radiant belt toward land of lake–terrestrial ecotone in Tibet, China. Environmental Sciences Europe, 2022, 34, .	2.6	3
616	Feeding tactics of resident Bryde's whales in New Zealand. Marine Mammal Science, 2022, 38, 1104-1117.	0.9	7
617	Improvement of the Seagull Optimization Algorithm and Its Application in Path Planning. Journal of Physics: Conference Series, 2022, 2216, 012076.	0.3	2
618	Türkiye'de Trafik Sigorta Primlerinin Harris Şahinleri Algoritması ile Tahmini. European Journal of Science and Technology, 0, , .	0.5	1
619	On the problem formulation for parameter extraction of the photovoltaic model: Novel integration of hybrid evolutionary algorithm and Levenberg Marquardt based on adaptive damping parameter formula. Energy Conversion and Management, 2022, 256, 115403.	4.4	17
620	Stochastic pursuit-evasion curves for foraging dynamics. Physica A: Statistical Mechanics and Its Applications, 2022, 597, 127324.	1.2	1
621	Composite Brownian walks best explain the movement patterns of Asian black bears, irrespective of sex, seasonality, and food availability. Ecological Research, 2022, 37, 522-531.	0.7	2
622	Search Foraging Strategies of Migratory Raptors Under Different Environmental Conditions. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	3
623	Simulation of foraging behavior using a decision-making agent with Bayesian and inverse Bayesian inference: Temporal correlations and power laws in displacement patterns. Chaos, Solitons and Fractals, 2022, 157, 111976.	2.5	3
624	Adopting Scenario-Based approach to solve optimal reactive power Dispatch problem with integration of wind and solar energy using improved Marine predator algorithm. Ain Shams Engineering Journal, 2022, 13, 101726.	3.5	23
625	Wind Energy Potential Approximation with Various Metaheuristic Optimization Techniques Deployment. , 2021, , .		6
626	Periodic solutions for one-dimensional nonlinear nonlocal problem with drift including singular nonlinearities. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2023, 153, 229-261.	0.8	0
627	Intrinsic and environmental factors modulating autonomous robotic search under high uncertainty. Scientific Reports, 2021, 11, 24509.	1.6	2
628	Entropic Compressibility of Lévy Processes. IEEE Transactions on Information Theory, 2022, 68, 4949-4963.	1.5	1

#	Article	IF	CITATIONS
629	On the Neumann problem for fractional semilinear elliptic equations arising from Keller–Segel model. Mathematical Methods in the Applied Sciences, 0, , .	1.2	1
633	Individual exploration and selective social learning: balancing exploration–exploitation trade-offs in collective foraging. Journal of the Royal Society Interface, 2022, 19, 20210915.	1.5	5
634	Mechanisms of Variability Underlying Odor-Guided Locomotion. Frontiers in Behavioral Neuroscience, 2022, 16, .	1.0	4
635	Two dimensional searching paths exhibit fractal distribution that change with food availability (Normalized Difference Infrared Index, NDII). Ecological Indicators, 2022, 139, 108940.	2.6	0
636	A modified fireworks algorithm with dynamic search interval based on closed-loop control. Mathematics and Computers in Simulation, 2022, 200, 329-360.	2.4	3
637	The principle and applications of random walks in various disciplines. , 2022, , .		0
638	Two GPSes in a Ball: Deciphering the Endosomal Tug-of-War Using Plasmonic Dark-Field STORM. Jacs Au, 0, , .	3.6	2
639	Enhancement of Detection of Diabetic Retinopathy Using Harris Hawks Optimization with Deep Learning Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	53
640	An island parallel Harris hawks optimization algorithm. Neural Computing and Applications, 0, , .	3.2	2
641	Receding Horizon-Based Infotaxis With Random Sampling for Source Search and Estimation in Complex Environments. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 591-609.	2.6	2
642	Source Term Estimation Using Deep Reinforcement Learning With Gaussian Mixture Model Feature Extraction for Mobile Sensors. IEEE Robotics and Automation Letters, 2022, 7, 8323-8330.	3.3	3
643	An Improved Arithmetic Optimization Algorithm for Numerical Optimization Problems. Mathematics, 2022, 10, 2152.	1.1	11
644	Move and you're dead: commercial trawl fisheries select for fish that don't move far. ICES Journal of Marine Science, 0, , .	1.2	1
645	Foraging behaviour and patch size distribution jointly determine population dynamics in fragmented landscapes. Journal of the Royal Society Interface, 2022, 19, .	1.5	2
646	A Hybrid Multi-objective Algorithm for Imbalanced Controller Placement in Software-Defined Networks. Journal of Network and Systems Management, 2022, 30, .	3.3	3
647	Source searching in unknown obstructed environments through source estimation, target determination, and path planning. Building and Environment, 2022, 221, 109266.	3.0	8
648	Predicting foraging dive outcomes in chinstrap penguins using biologging and animal-borne cameras. Behavioral Ecology, 2022, 33, 989-998.	1.0	8
649	The role of context in elucidating drivers of animal movement. Ecology and Evolution, 2022, 12, .	0.8	12

#	Article	IF	CITATIONS
650	Swarm Crawler Robots Using Lévy Flight for Targets Exploration in Large Environments. Robotics, 2022, 11, 76.	2.1	7
651	Spatial dynamics of a fractional predator-prey system with time delay and Allee effect. Chaos, Solitons and Fractals, 2022, 162, 112434.	2.5	5
652	Size distribution patterns of silky shark Carcharhinus falciformis shaped by environmental factors in the Pacific Ocean. Science of the Total Environment, 2022, 850, 157927.	3.9	6
653	On the Calderón problem for nonlocal Schrödinger equations with homogeneous, directionally antilocal principal symbols. Journal of Differential Equations, 2022, 341, 79-149.	1.1	3
654	Marine predator inspired naked mole-rat algorithm for global optimization. Expert Systems With Applications, 2023, 212, 118822.	4.4	11
655	Training Neural Networks with Lévy Flight Distribution Algorithm. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 93-103.	0.5	2
656	Generalized diffusion and random search processes. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 093201.	0.9	5
657	Turing Pattern Dynamics in an SI Epidemic Model with Superdiffusion. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	3
658	Efficiency functionals for the Lévy flight foraging hypothesis. Journal of Mathematical Biology, 2022, 85, .	0.8	5
659	Maximum principles involving the uniformly elliptic nonlocal operator. Mathematical Methods in the Applied Sciences, 2023, 46, 3721-3740.	1.2	0
660	Effect of the search space dimensionality for finding close and faraway targets in random searches. Physical Review E, 2022, 106, .	0.8	0
661	A novel predictive localization algorithm for underwater wireless sensor networks. Wireless Networks, 0, , .	2.0	0
662	Optimization of MLP neural network for modeling flow boiling performance of Al2O3/water nanofluids in a horizontal tube. Engineering Analysis With Boundary Elements, 2022, 145, 363-395.	2.0	4
663	Exploring Millions of Footprints in Location Sharing Services. Proceedings of the International AAAI Conference on Weblogs and Social Media, 2011, 5, 81-88.	1.5	148
664	Modified Marine Predators Algorithm hybridized with teaching-learning mechanism for solving optimization problems. Mathematical Biosciences and Engineering, 2022, 20, 93-127.	1.0	1
665	Gazelle optimization algorithm: a novel nature-inspired metaheuristic optimizer. Neural Computing and Applications, 2023, 35, 4099-4131.	3.2	97
666	Individual differences in diel and vertical activity patterns in a large pelagic predator, the oceanic whitetip shark. Marine Biology, 2022, 169, .	0.7	1
667	Assessing Team Effectiveness by How Players Structure Their Search in a Firstâ€Person Multiplayer Video Game. Cognitive Science, 2022, 46, .	0.8	2

#	Article	IF	CITATIONS
668	Singleâ€cell/nanoparticle trajectories reveal twoâ€ŧier Lévyâ€ŀike interactions across bacterial swarms. View, 2022, 3, .	2.7	7
669	Multi-workflow scheduling and resource provisioning in Mobile Edge Computing using opposition-based Marine-Predator Algorithm. Pervasive and Mobile Computing, 2022, 87, 101715.	2.1	4
670	Most probable trajectory of a tumor model with immune response subjected to asymmetric Lévy noise. Chaos, Solitons and Fractals, 2022, 165, 112765.	2.5	1
671	A Bourgain-Brezis-Mironescu formula for anisotropic fractional Sobolev spaces and applications to anisotropic fractional differential equations. Journal of Mathematical Analysis and Applications, 2023, 519, 126805.	0.5	4
672	On random walk models as a baseline for animal movement in three-dimensional space. Ecological Modelling, 2023, 475, 110169.	1.2	0
673	Deciding on a Continuum of Equivalent Alternatives Engaging Uncertainty through Behavior Patterning. Foundations, 2022, 2, 1080-1100.	0.4	0
674	Giant Trevally Optimizer (GTO): A Novel Metaheuristic Algorithm for Global Optimization and Challenging Engineering Problems. IEEE Access, 2022, 10, 121615-121640.	2.6	23
675	Asymptotics for logistic-type equations with Dirichlet fractional Laplace operator. , 2023, 28, .		0
676	A Novel Hybrid Quantum Particle Swarm Optimization With Marine Predators for Engineering Design Problems. IEEE Access, 2022, 10, 129322-129343.	2.6	0
677	Uniqueness for the Fractional Calderón Problem with Quasilocal Perturbations. SIAM Journal on Mathematical Analysis, 2022, 54, 6136-6163.	0.9	3
678	Detecting physical laws from data of stochastic dynamical systems perturbed by non-Gaussian \$alpha\$-stable Lévy noise. Chinese Physics B, O, , .	0.7	0
679	Noise color influence on escape times in nonlinear oscillators - experimental and numerical results. Theoretical and Applied Mechanics Letters, 2023, 13, 100420.	1.3	1
680	Adaptation of Drosophila larva foraging in response to changes in food resources. ELife, 0, 11, .	2.8	6
682	Multi-Stage RF Emitter Search and Geolocation With UAV: A Cognitive Learning-Based Method. IEEE Transactions on Vehicular Technology, 2023, 72, 6349-6362.	3.9	3
683	Review on Intelligent Unmanned Swarm Mission Planning. , 2022, , .		0
684	Using pseudo-absence models to test for environmental selection in marine movement ecology: the importance of sample size and selection strength. Movement Ecology, 2022, 10, .	1.3	4
685	Brain-localized CD4 and CD8 T cells perform correlated random walks and not Levy walks. F1000Research, 0, 12, 87.	0.8	1
687	Modified Butterfly Optimization Algorithm based on Convergence Factor and Disturbance Strategy. , 2022, , .		0

#	Article	IF	CITATIONS
688	Pattern dynamics analysis of spatial fractional predator–prey system with fear factor and refuge. Nonlinear Dynamics, 2023, 111, 10653-10676.	2.7	1
689	Signal propagation in complex networks. Physics Reports, 2023, 1017, 1-96.	10.3	50
690	Planning the temporary takeoff/landing site's location for a pesticide spraying helicopter based on an intelligent fusion algorithm. Computers and Electronics in Agriculture, 2023, 209, 107826.	3.7	1
691	Data-driven approximation for extracting the transition dynamics of a genetic regulatory network with non-Gaussian Lévy noise. Journal of Statistical Mechanics: Theory and Experiment, 2023, 2023, 023403.	0.9	Ο
692	An Inclusive Survey on Marine Predators Algorithm: Variants andÂApplications. Archives of Computational Methods in Engineering, 2023, 30, 3133-3172.	6.0	8
693	A Modified Lévy Flight Grey Wolf Optimizer Feature Selection Approach toÂBreast Cancer Dataset. Lecture Notes in Networks and Systems, 2023, , 407-419.	0.5	1
694	Intermittency, fluctuations and maximal chaos in an emergent universal state of active turbulence. Nature Physics, 2023, 19, 891-897.	6.5	4
695	Exponential increase of transition rates in metastable systems driven by non-Gaussian noise. Scientific Reports, 2023, 13, .	1.6	2
696	Fractal Brownian Motion of Colloidal Particles in Plasma. Plasma Physics Reports, 2023, 49, 57-64.	0.3	1
697	Density of predating Asian hornets at hives disturbs the <scp>3D</scp> flight performance of honey bees and decreases predation success. Ecology and Evolution, 2023, 13, .	0.8	0
698	Sardine Feast Metaheuristic Optimization with Random Walk for Global Optimization. , 2022, , .		0
701	Primate Movements Across the Nutritional Landscapes of Africa. , 2023, , 115-131.		0
702	Search for Food of Birds, Fish, and Insects. , 2023, , 53-74.		1
703	Crowd-Powered Source Searching inÂComplex Environments. Communications in Computer and Information Science, 2023, , 201-215.	0.4	1
728	Mixed Strategy-Based Improved Pelican Optimization Algorithm. , 2023, , .		0
730	The biology and ecology of the basking shark: A review. Advances in Marine Biology, 2023, , 113-257.	0.7	0
737	Efficient Harris's Hawk Optimization algorithm by used the quadratic interpolation search method for global optimization problems. AIP Conference Proceedings, 2023, , .	0.3	0
742	Novel Maximum Power Point Tracking Implementation Using Satin Bowerbird Algorithm. , 2023, , .		0

# ARTICLE

IF CITATIONS