Alan B Bolten

List of Publications by Year
in descending order

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110 papers	6,579 citations	57758 44 h-index	76900 74 g-index
110 all docs	110 docs citations	110 times ranked	3980 citing authors

#	Article	IF	Citations
1	Tracking green turtle nesting trends at a remote oceanic rookery. Marine Biology, 2022, 169, 1.	1.5	2
2	Hydrogen isotope assimilation and discrimination in green turtles. Journal of Experimental Biology, 2021, 224, .	1.7	3
3	Recovery of a cultivation grazer: A mechanism for compensatory growth of Thalassia testudinum in a Caribbean seagrass meadow grazed by green turtles. Journal of Ecology, 2021, 109, 3031-3045.	4.0	15
4	Divergence and hybridization in sea turtles: Inferences from genome data show evidence of ancient gene flow between species. Molecular Ecology, 2021, 30, 6178-6192.	3.9	24
5	Role of ingesta particle size in the green turtle grazing strategy, ontogenetic diet shifts, and responses to seagrass declines. Marine Biology, 2021, 168, 1.	1.5	8
6	Sizeâ€based differences in isotopic niche width (Î´ 13 C and Î´ 15 N) of green turtles (Chelonia mydas) nesting on PrÃncipe Island, Gulf of Guinea. Marine Ecology, 2021, 42, .	1.1	2
7	Seagrass ecosystem metabolic carbon capture in response to green turtle grazing across Caribbean meadows. Journal of Ecology, 2020, 108, 1101-1114.	4.0	14
8	Simulated green turtle grazing affects benthic infauna abundance and community composition but not diversity in a Thalassia testudinum seagrass meadow. Journal of Experimental Marine Biology and Ecology, 2020, 522, 151266.	1.5	7
9	Recovery of a large herbivore changes regulation of seagrass productivity in a naturally grazed Caribbean ecosystem. Ecology, 2020, 101, e03180.	3.2	12
10	Identifying patterns in foraging-area origins in breeding aggregations of migratory species: Loggerhead turtles in the Northwest Atlantic. PLoS ONE, 2020, 15, e0231325.	2.5	5
11	Population recovery changes population composition at a major southern Caribbean juvenile developmental habitat for the green turtle, Chelonia mydas. Scientific Reports, 2019, 9, 14392.	3.3	14
12	Relative abundance of oceanic juvenile loggerhead sea turtles in relation to nest production at source rookeries: implications for recruitment dynamics. Scientific Reports, 2019, 9, 13019.	3.3	12
13	Swirling in the ocean: Immature loggerhead turtles seasonally target old anticyclonic eddies at the fringe of the North Atlantic gyre. Progress in Oceanography, 2019, 175, 345-358.	3.2	25
14	Rates of Sediment Resuspension and Erosion Following Green Turtle Grazing in a Shallow Caribbean Thalassia testudinum Meadow. Ecosystems, 2019, 22, 1787-1802.	3.4	13
15	Hitchhiking the high seas: Global genomics of rafting crabs. Ecology and Evolution, 2019, 9, 957-974.	1.9	11
16	Effects of green turtle grazing on seagrass and macroalgae diversity vary spatially among seagrass meadows. Aquatic Botany, 2019, 152, 10-15.	1.6	16
17	Phylogeny, biogeography and methodology: a meta-analytic perspective on heterogeneity in adult marine turtle survival rates. Scientific Reports, 2018, 8, 5852.	3.3	19
18	Blood analytes of oceanic-juvenile loggerhead sea turtles (Caretta caretta) from Azorean waters: reference intervals, size-relevant correlations and comparisons to neritic loggerheads from western Atlantic coastal waters. , 2018, 6, coy006.		22

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19	Foraging niche segregation between juvenile and adult hawksbill turtles (Eretmochelys imbricata) at PrÃncipe island, West Africa. Journal of Experimental Marine Biology and Ecology, 2018, 498, 1-7.	1.5	20
20	Effects of hybridization on sea turtle fitness. Conservation Genetics, 2018, 19, 1311-1322.	1.5	11
21	Comparison of reproductive output of hybrid sea turtles and parental species. Marine Biology, 2017, 164, 1.	1.5	16
22	Plastic ingestion in oceanic-stage loggerhead sea turtles (Caretta caretta) off the North Atlantic subtropical gyre. Marine Pollution Bulletin, 2017, 121, 222-229.	5.0	102
23	Ecological regime shift drives declining growth rates of sea turtles throughout the West Atlantic. Global Change Biology, 2017, 23, 4556-4568.	9.5	59
24	Blue carbon stores in tropical seagrass meadows maintained under green turtle grazing. Scientific Reports, 2017, 7, 13545.	3.3	26
25	Evidence of Diversity, Site, and Host Specificity of Sea Turtle Blood Flukes (Digenea:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 103, 756-767.	0.7	17
26	Somatic growth dynamics of West Atlantic hawksbill sea turtles: a spatioâ€temporal perspective. Ecosphere, 2016, 7, e01279.	2.2	36
27	Long-term resource use and foraging specialization in male loggerhead turtles. Marine Biology, 2016, 163, 1.	1.5	23
28	Biomarkers reveal sea turtles remained in oiled areas following the Deepwater Horizon oil spill. Ecological Applications, 2016, 26, 2145-2155.	3.8	30
29	Development and validation of a competitive enzyme-linked immunosorbent assay for the measurement of total plasma immunoglobulins in healthy loggerhead sea (Caretta caretta) and green turtles (Chelonia mydas). Journal of Veterinary Diagnostic Investigation, 2016, 28, 5-11.	1.1	8
30	Deeper Mitochondrial Sequencing Reveals Cryptic Diversity and Structure in Brazilian Green Turtle Rookeries. Chelonian Conservation and Biology, 2015, 14, 167.	0.6	25
31	Age and size at maturation- and adult-stage duration for loggerhead sea turtles in the western North Atlantic. Marine Biology, 2015, 162, 1749-1767.	1.5	61
32	Determining origin in a migratory marine vertebrate: a novel method to integrate stable isotopes and satellite tracking. Ecological Applications, 2015, 25, 320-335.	3.8	70
33	Mother-egg stable isotope conversions and effects of lipid extraction and ethanol preservation on loggerhead eggs. , 2014, 2, cou049-cou049.		21
34	Foraging areas differentially affect reproductive output and interpretation of trends in abundance of loggerhead turtles. Marine Biology, 2014, 161, 585-598.	1.5	53
35	Stable isotopic comparison between loggerhead sea turtle tissues. Rapid Communications in Mass Spectrometry, 2014, 28, 2059-2064.	1.5	23
36	From refugia to rookeries: Phylogeography of Atlantic green turtles. Journal of Experimental Marine Biology and Ecology, 2014, 461, 306-316.	1.5	39

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37	Hitchhikers reveal cryptic host behavior: new insights from the association between Planes major and sea turtles in the Pacific Ocean. Marine Biology, 2014, 161, 2167-2178.	1.5	20
38	Identifying oceanic foraging grounds of sea turtles in the Atlantic using lead isotopes. Marine Biology, 2014, 161, 2269-2278.	1.5	9
39	Demography and ecology of blue shark (Prionace glauca) in the central North Atlantic. Fisheries Research, 2014, 153, 89-102.	1.7	41
40	Geographic Patterns of Genetic Variation in a Broadly Distributed Marine Vertebrate: New Insights into Loggerhead Turtle Stock Structure from Expanded Mitochondrial DNA Sequences. PLoS ONE, 2014, 9, e85956.	2.5	93
41	Threshold to maturity in a long-lived reptile: interactions of age, size, and growth. Marine Biology, 2013, 160, 607-616.	1.5	65
42	Temporal consistency and individual specialization in resource use by green turtles in successive life stages. Oecologia, 2013, 173, 767-777.	2.0	76
43	Temporal, spatial, and body size effects on growth rates of loggerhead sea turtles (Caretta caretta) in the Northwest Atlantic. Marine Biology, 2013, 160, 2711-2721.	1.5	49
44	Accounting for Imperfect Detection Is Critical for Inferring Marine Turtle Nesting Population Trends. PLoS ONE, 2013, 8, e62326.	2.5	49
45	Inherent Variation in Stable Isotope Values and Discrimination Factors in Two Life Stages of Green Turtles. Physiological and Biochemical Zoology, 2012, 85, 431-441.	1.5	55
46	Assignment of nesting loggerhead turtles to their foraging areas in the Northwest Atlantic using stable isotopes. Ecosphere, 2012, 3, 1-18.	2.2	50
47	Distribution of foraging habitats of male loggerhead turtles (Caretta caretta) as revealed by stable isotopes and satellite telemetry. Marine Biology, 2012, 159, 1255-1267.	1.5	50
48	Marineâ€derived Nutrients from Green Turtle Nests Subsidize Terrestrial Beach Ecosystems. Biotropica, 2012, 44, 294-301.	1.6	22
49	Mitogenomic sequences better resolve stock structure of southern Greater Caribbean green turtle rookeries. Molecular Ecology, 2012, 21, 2330-2340.	3.9	79
50	Quantifying multiple threats to endangered species: an example from loggerhead sea turtles. Frontiers in Ecology and the Environment, 2011, 9, 295-301.	4.0	90
51	Sympatry in grapsoid crabs (genera Planes and Plagusia) from olive ridley sea turtles (Lepidochelys) Tj ETQq1 1 0.784314 rgBT /Overlo 1699-1708.	1.5	16
52	Global Conservation Priorities for Marine Turtles. PLoS ONE, 2011, 6, e24510.	2.5	389
53	Polymodal foraging in adult female loggerheads (Caretta caretta). Marine Biology, 2010, 157, 113-121.	1.5	78
54	Hawksbill sea turtles in seagrass pastures: success in a peripheral habitat. Marine Biology, 2010, 157, 135-145.	1.5	81

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55	Regional Management Units for Marine Turtles: A Novel Framework for Prioritizing Conservation and Research across Multiple Scales. PLoS ONE, 2010, 5, e15465.	2.5	483
56	Spirorchiidiasis in stranded loggerhead Caretta caretta and green turtles Chelonia mydas in Florida (USA): host pathology and significance. Diseases of Aquatic Organisms, 2010, 89, 237-259.	1.0	49
57	Individual specialists in a generalist population: results from a long-term stable isotope series. Biology Letters, 2010, 6, 711-714.	2.3	199
58	Use of a Portable Point-of-Care (Vetscan Vs2) Biochemical Analyzer for Measuring Plasma Biochemical Levels in Free-Living Loggerhead Sea Turtles (Caretta caretta). Journal of Zoo and Wildlife Medicine, 2010, 41, 585-593.	0.6	33
59	Detection of Spirorchiid Trematodes in Gastropod Tissues by Polymerase Chain Reaction: Preliminary Identification of an Intermediate Host of Learedius learedi. Journal of Parasitology, 2010, 96, 752-757.	0.7	26
60	Reference intervals and relationships between health status, carapace length, body mass, and water temperature and concentrations of plasma total protein and protein electrophoretogram fractions in Atlantic loggerhead sea turtles and green turtles. Journal of the American Veterinary Medical Association, 2010, 237, 561-567.	0.5	50
61	Effect of repeated tissue sampling on growth rates of juvenile loggerhead turtles Caretta caretta. Diseases of Aquatic Organisms, 2010, 88, 271-273.	1.0	14
62	Biochemical indices as correlates of recent growth in juvenile green turtles (Chelonia mydas). Journal of Experimental Marine Biology and Ecology, 2009, 376, 59-67.	1.5	10
63	Compensatory responses to food restriction in juvenile green turtles (Chelonia mydas). Ecology, 2009, 90, 2524-2534.	3.2	24
64	Encouraging outlook for recovery of a once severely exploited marine megaherbivore. Global Ecology and Biogeography, 2008, 17, 297-304.	5.8	207
65	Annual variation in source contributions to a mixed stock: implications for quantifying connectivity. Molecular Ecology, 2008, 17, 2185-2193.	3.9	52
66	Stable Carbon and Nitrogen Isotope Discrimination and Turnover in Pond Sliders Trachemys Scripta: Insights for Trophic Study of Freshwater Turtles. Copeia, 2007, 2007, 534-542.	1.3	85
67	The â€˜lost yearsâ€™ of green turtles: using stable isotopes to study cryptic lifestages. Biology Letters, 2007, 3, 712-714.	2.3	231
68	Incorporating multiple mixed stocks in mixed stock analysis: â€˜many-to-manyâ€™ analyses. Molecular Ecology, 2007, 16, 685-695.	3.9	122
69	Movement Patterns of Green Turtles (Chelonia mydas) in Cuba and Adjacent Caribbean Waters Inferred from Flipper Tag Recaptures. Journal of Herpetology, 2006, 40, 22-34.	0.5	22
70	Population Structure and Diversity of Brazilian Green Turtle Rookeries Based on Mitochondrial DNA Sequences. Chelonian Conservation and Biology, 2006, 5, 262-268.	0.6	41
71	EVALUATING TRENDS IN ABUNDANCE OF IMMATURE GREEN TURTLES, CHELONIA MYDAS, IN THE GREATER CARIBBEAN. , 2005, 15, 304-314.		75
72	Intraspecific application of the mid-domain effect model: spatial and temporal nest distributions of green turtles, Chelonia mydas, at Tortuguero, Costa Rica. Ecology Letters, 2005, 8, 918-924.	6.4	22

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73	Population structure and genetic diversity in green turtles nesting at Tortuguero, Costa Rica, based on mitochondrial DNA control region sequences. Marine Biology, 2005, 147, 1449-1457.	1.5	59
74	Diet and Fecundity of Columbus Crabs, Planes Minutus, Associated with Oceanic-Stage Loggerhead Sea Turtles, Caretta Caretta, and Inanimate Flotsam. Journal of Crustacean Biology, 2004, 24, 350-355.	0.8	24
75	Natal homing in juvenile loggerhead turtles (Caretta caretta). Molecular Ecology, 2004, 13, 3797-3808.	3.9	149
76	COMPENSATORY GROWTH IN OCEANIC LOGGERHEAD SEA TURTLES: RESPONSE TO A STOCHASTIC ENVIRONMENT. Ecology, 2003, 84, 1237-1249.	3.2	120
77	SEA TURTLE STOCK ESTIMATION USING GENETIC MARKERS: ACCOUNTING FOR SAMPLING ERROR OF RARE GENOTYPES. , 2003, 13, 763-775.		42
78	Variation in Sea Turtle Life History Patterns. Marine Biology, 2002, , 243-257.	0.1	67
79	Annual variation in nesting numbers of marine turtles: the effect of sea surface temperature on re-migration intervals. Ecology Letters, 2002, 5, 742-746.	6.4	126
80	GREEN TURTLE SOMATIC GROWTH MODEL: EVIDENCE FOR DENSITY DEPENDENCE. , 2000, 10, 269-282.		135
81	GREEN TURTLE SOMATIC GROWTH MODEL: EVIDENCE FOR DENSITY DEPENDENCE. , 2000, 10, 269.		1
82	Twenty-Six Years of Green Turtle Nesting at Tortuguero, Costa Rica: An Encouraging Trend. Conservation Biology, 1999, 13, 126-134.	4.7	136
83	TRANSATLANTIC DEVELOPMENTAL MIGRATIONS OF LOGGERHEAD SEA TURTLES DEMONSTRATED BY mtDNA SEQUENCE ANALYSIS. , 1998, 8, 1-7.		185
84	TRANSATLANTIC DEVELOPMENTAL MIGRATIONS OF LOGGERHEAD SEA TURTLES DEMONSTRATED BY mtDNA SEQUENCE ANALYSIS. , 1998, 8, 1.		2
85	Plasma Corticosterone Concentrations Associated with Acute Captivity Stress in Wild Loggerhead Sea Turtles (Caretta caretta). General and Comparative Endocrinology, 1996, 104, 312-320.	1.8	91
86	Probability of Tag Loss in Green Turtles Nesting at Tortuguero, Costa Rica. Journal of Herpetology, 1996, 30, 566.	0.5	20
87	Effects of Beach Nourishment on Sea Turtles: Review and Research Initiatives. Restoration Ecology, 1995, 3, 95-104.	2.9	65
88	Size-Dependent, Sex-Dependent, and Seasonal Changes in Insulin-like Growth Factor I in the Loggerhead Sea Turtle (Caretta caretta). General and Comparative Endocrinology, 1995, 98, 219-226.	1.8	18
89	Identification of Sex in Hatchling Loggerhead Turtles (Caretta caretta) by Analysis of Steroid Concentrations in Chorioallantoic/Amniotic Fluid. General and Comparative Endocrinology, 1995, 99, 204-210.	1.8	53
90	Estimation of Green Turtle (Chelonia mydas) Growth Rates from Length-Frequency Analysis. Copeia, 1995, 1995, 71.	1.3	16

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91	Support for Natal Homing in Green Turtles from Mitochondrial DNA Sequences. Copeia, 1994, 1994, 34.	1.3	102
92	Molecular evolution and population genetics of Greater Caribbean green turtles (Chelonia mydas) as inferred from mitochondrial DNA control region sequences. Genetica, 1994, 94, 57-66.	1.1	54
93	Ingestion of marine debris by juvenile sea turtles in coastal Florida habitats. Marine Pollution Bulletin, 1994, 28, 154-158.	5.0	213
94	Decline of the Nesting Population of Hawksbill Turtles at Tortuguero, Costa Rica. Conservation Biology, 1993, 7, 925-927.	4.7	16
95	Spatial Distribution of Green Turtle (Chelonia mydas) Nests at Tortuguero, Costa Rica. Copeia, 1992, 1992, 45.	1.3	44
96	BLOOD PROFILES FOR A WILD POPULATION OF GREEN TURTLES (CHELONIA MYDAS) IN THE SOUTHERN BAHAMAS: SIZE-SPECIFIC AND SEX-SPECIFIC RELATIONSHIPS. Journal of Wildlife Diseases, 1992, 28, 407-413.	0.8	160
97	Body Size and Digestive Efficiency in a Herbivorous Freshwater Turtle: Advantages of Small Bite Size. Physiological Zoology, 1992, 65, 1028-1039.	1.5	36
98	Plasma estradiol-17Î², progesterone, prostaglandin F, and prostaglandin E2 concentrations during natural oviposition in the loggerhead turtle (Caretta caretta). General and Comparative Endocrinology, 1991, 82, 121-130.	1.8	33
99	Digestive Fermentation in Herbivores: Effect of Food Particle Size. Physiological Zoology, 1990, 63, 710-721.	1.5	112
100	Growth Rates of Immature Green Turtles, Chelonia mydas, on Feeding Grounds in the Southern Bahamas. Copeia, 1988, 1988, 555.	1.3	102
101	Nectar-Foraging Characteristics of Africanized and European Honeybees in the Neotropics. Journal of Apicultural Research, 1984, 23, 70-79.	1.5	12
102	Food Sharing Between Honeybee Colonies in Flight Cages. Journal of Apicultural Research, 1983, 22, 98-100.	1.5	3
103	Hoarding Behavior of European and Africanized Honey Bees (Hymenoptera: Apidae)1. Journal of Economic Entomology, 1982, 75, 714-715.	1.8	6
104	Numbers of Spermatozoa in the Spermatheca of the Queen Honeybee after Multiple Inseminations with Small Volumes of Semen. Journal of Apicultural Research, 1982, 21, 7-10.	1.5	10
105	Size of Nest Cavities Selected by Swarms of Africanized Honeybees in Venezuela. Journal of Apicultural Research, 1981, 20, 160-164.	1.5	9
106	On the calculation of sugar concentration in flower nectar. Oecologia, 1979, 41, 301-304.	2.0	267
107	Additional Notes on the Floral Biology of Neotropical Lecythidaceae. Brittonia, 1978, 30, 113.	0.2	38
108	Why Do Hummingbird Flowers Secrete Dilute Nectar?. Biotropica, 1978, 10, 307.	1.6	98

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109	The Relationship of the Nutritive State of the Prey OrganismParamecium aureliato the Growth and Encystment ofDidinium nasutum. Journal of Protozoology, 1968, 15, 256-258.	0.8	18
110	Air-Breathing Visitors to Seamounts: Sea Turtles. , 0, , 239-244.		16