James E Cloern

List of Publications by Year
in descending order

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85 papers	12,683 citations	36203 51 h-index	54797 84 g-index
85 all docs	85 docs citations	85 times ranked	9723 citing authors

#	Article	IF	Citations
1	Engaging the next generation of editorial talent through a handsâ€on fellowship model. Ecology Letters, 2021, 24, 1297-1301.	3.0	4
2	The Great (Toilet) Paper Chase: Our Study of the 1979 San Francisco Bay Sewage Spill (As Motivated by) Tj ETQq0 0 0 rgBT /Overlock 10 e2020CN000132.	0.2	1
3	Virtual Networking Between Editors and Early Career Scientists: Benefits, Silver Linings, and Lessons Learned. Limnology and Oceanography Bulletin, 2020, 29, 141-144.	0.2	4
4	ASLO Takes a Next Step toward Open Science: Introducing Data Papers, a New Article Type in Limnology & Oceanography Letters. Limnology and Oceanography Bulletin, 2019, 28, 142-143.	0.2	1
5	Prediction of unprecedented biological shifts in the global ocean. Nature Climate Change, 2019, 9, 237-243.	8.1	80
6	Patterns, pace, and processes of waterâ€quality variability in a longâ€studied estuary. Limnology and Oceanography, 2019, 64, S192.	1.6	27
7	Blurred lines: Multiple freshwater and marine algal toxins at the land-sea interface of San Francisco Bay, California. Harmful Algae, 2018, 73, 138-147.	2.2	57
8	Why large cells dominate estuarine phytoplankton. Limnology and Oceanography, 2018, 63, S392.	1.6	70
9	Estuaryâ€“ocean connectivity: fast physics, slow biology. Global Change Biology, 2017, 23, 2345-2357.	4.2	29
10	Ecosystem variability along the estuarine salinity gradient: Examples from longâ€term study of San Francisco Bay. Limnology and Oceanography, 2017, 62, S272.	1.6	117
11	Water quality measurements in San Francisco Bay by the U.S. Geological Survey, 1969â€“2015. Scientific Data, 2017, 4, 170098.	2.4	28
12	The landâ€“sea interface: A source of highâ€quality phytoplankton to support secondary production. Limnology and Oceanography, 2017, 62, S258.	1.6	53
13	Human activities and climate variability drive fastâ€paced change across the world's estuarineâ€“coastal ecosystems. Global Change Biology, 2016, 22, 513-529.	4.2	368
14	Estuarine fish communities respond to climate variability over both river and ocean basins. Global Change Biology, 2015, 21, 3608-3619.	4.2	62
15	Phytoplankton blooms in estuarine and coastal waters: Seasonal patterns and key species. Estuarine, Coastal and Shelf Science, 2015, 162, 98-109.	0.9	201
16	Resolving variability of phytoplankton species composition and blooms in coastal ecosystems. Estuarine, Coastal and Shelf Science, 2015, 162, 4-6.	0.9	6
17	Comparative biogeochemistryâ€“ecosystemâ€“human interactions on dynamic continental margins. Journal of Marine Systems, 2015, 141, 3-17.	0.9	49
18	Phytoplankton primary production in the world's estuarine-coastal ecosystems. Biogeosciences, 2014, 11, 2477-2501.	1.3	477

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19	Perils of correlating CUSUMâ€transformed variables to infer ecological relationships (Breton et al.) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	8
20	Global Patterns of Phytoplankton Dynamics in Coastal Ecosystems. Eos, 2011, 92, 85-85.	0.1	2
21	Seasonal variations in ectotherm growth rates: Quantifying growth as an intermittent non steady state compensatory process. Journal of Sea Research, 2011, 65, 355-361.	0.6	8
22	Projected Evolution of California's San Francisco Bay-Delta-River System in a Century of Climate Change. PLoS ONE, 2011, 6, e24465.	1.1	180
23	Patterns and Scales of Phytoplankton Variability in Estuarineâ€“Coastal Ecosystems. Estuaries and Coasts, 2010, 33, 230-241.	1.0	268
24	The annual cycles of phytoplankton biomass. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3215-3226.	1.8	232
25	Biological communities in San Francisco Bay track largeâ€scale climate forcing over the North Pacific. Geophysical Research Letters, 2010, 37, .	1.5	90
26	Primary production and carrying capacity of former salt ponds after reconnection to San Francisco Bay. Wetlands, 2008, 28, 841-851.	0.7	40
27	Complex seasonal patterns of primary producers at the landâ€“sea interface. Ecology Letters, 2008, 11, 1294-1303.	3.0	182
28	On Phytoplankton Trends. Science, 2008, 319, 1346-1348.	6.0	91
29	A cold phase of the East Pacific triggers new phytoplankton blooms in San Francisco Bay. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18561-18565.	3.3	153
30	Habitat Connectivity and Ecosystem Productivity: Implications from a Simple Model. American Naturalist, 2007, 169, E21-E33.	1.0	75
31	Ecological Values of Shallow-Water Habitats: Implications for the Restoration of Disturbed Ecosystems. Ecosystems, 2006, 9, 422-440.	1.6	63
32	Phytoplankton community ecology: principles applied in San Francisco Bay. Marine Ecology - Progress Series, 2005, 285, 11-28.	0.9	254
33	Detritus fuels ecosystem metabolism but not metazoan food webs in San Francisco estuary's freshwater delta. Estuaries and Coasts, 2005, 28, 124-137.	1.7	79
34	Climate anomalies generate an exceptional dinoflagellate bloom in San Francisco Bay. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	91
35	Clams as CO₂ generators: The Potamocorbula amurensis example in San Francisco Bay. Limnology and Oceanography, 2003, 48, 2086-2092.	1.6	81
36	Effects of spatial and temporal variability of turbidity on phytoplankton blooms. Marine Ecology - Progress Series, 2003, 254, 111-128.	0.9	132

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37	Stable carbon and nitrogen isotope composition of aquatic and terrestrial plants of the San Francisco Bay estuarine system. Limnology and Oceanography, 2002, 47, 713-729.	1.6	548
38	Bioavailability of organic matter in a highly disturbed estuary: The role of detrital and algal resources. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8101-8105.	3.3	123
39	A comment on the use of flushing time, residence time, and age as transport time scales. Limnology and Oceanography, 2002, 47, 1545-1553.	1.6	582
40	Annual primary production: Patterns and mechanisms of change in a nutrientâ€rich tidal ecosystem. Limnology and Oceanography, 2002, 47, 698-712.	1.6	185
41	Effects of tidal shallowing and deepening on phytoplankton production dynamics: A modeling study. Estuaries and Coasts, 2002, 25, 497-507.	1.7	39
42	Microphytobenthic potential productivity estimated in three tidal embayments of the San Francisco Bay: A comparative study. Estuaries and Coasts, 2002, 25, 409-417.	1.7	27
43	Our evolving conceptual model of the coastal eutrophication problem. Marine Ecology - Progress Series, 2001, 210, 223-253.	0.9	2,301
44	Organic matter sources and rehabilitation of the Sacramento-San Joaquin Delta (California, USA). Aquatic Conservation: Marine and Freshwater Ecosystems, 2000, 10, 323-352.	0.9	116
45	Spatial and temporal variability of picocyanobacteria Synechococcus sp. in San Francisco Bay. Limnology and Oceanography, 2000, 45, 695-702.	1.6	54
46	Dynamics of nutrient cycling and related benthic nutrient and oxygen fluxes during a spring phytoplankton bloom in South San Francisco Bay (USA). Marine Ecology - Progress Series, 2000, 197, 67-80.	0.9	86
47	Title is missing!. , 1999, 33, 3-15.		240
48	Processes governing phytoplankton blooms in estuaries. I:The local production-loss balance. Marine Ecology - Progress Series, 1999, 187, 1-15.	0.9	110
49	Processes governing phytoplankton blooms in estuaries. II:The role of horizontal transport. Marine Ecology - Progress Series, 1999, 187, 17-30.	0.9	123
50	Metal uptake by phytoplankton during a bloom in South San Francisco Bay: Implications for metal cycling in estuaries. Limnology and Oceanography, 1998, 43, 1007-1016.	1.6	90
51	Changes in production and respiration during a spring phytoplankton bloom in San Francisco Bay, California, USA:implications for net ecosystem metabolism. Marine Ecology - Progress Series, 1998, 172, 1-12.	0.9	63
52	The Design of Sampling Transects for Characterizing Water Quality in Estuaries. Estuarine, Coastal and Shelf Science, 1997, 45, 285-302.	0.9	26
53	Phytoplankton bloom dynamics in coastal ecosystems: A review with some general lessons from sustained investigation of San Francisco Bay, California. Reviews of Geophysics, 1996, 34, 127-168.	9.0	636
54	Molecular and isotopic tracers used to examine sources of organic matter and its incorporation into the food webs of San Francisco Bay. Limnology and Oceanography, 1995, 40, 67-81.	1.6	219

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55	An empirical model of the phytoplankton chlorophyll : carbon ratioâ€the conversion factor between productivity and growth rate. Limnology and Oceanography, 1995, 40, 1313-1321.	1.6	401
56	Notes on a Mesodinium rubrum red tide in San Francisco Bay (California, USA). Journal of Plankton Research, 1994, 16, 1269-1276.	0.8	22
57	Coupled effects of vertical mixing and benthic grazing on phytoplankton populations in shallow, turbid estuaries. Journal of Marine Research, 1993, 51, 843-868.	0.3	106
58	Trophic interactions and direct physical effects control phytoplankton biomass and production in an estuary. Limnology and Oceanography, 1992, 37, 946-955.	1.6	441
59	Seasonal changes in the spatial distribution of phytoplankton in small, temperate-zone lakes. Journal of Plankton Research, 1992, 14, 1017-1024.	0.8	17
60	Measurement of filtration rates by infaunal bivalves in a recirculating flume. Marine Biology, 1992, 113, 219-225.	0.7	59
61	Tidal stirring and phytoplankton bloom dynamics in an estuary. Journal of Marine Research, 1991, 49, 203-221.	0.3	216
62	Episodic changes in lateral transport and phytoplankton distribution in South San Francisco Bay. Limnology and Oceanography, 1990, 35, 472-478.	1.6	19
63	Trace metal associations in the water column of South San Francisco Bay, California. Estuarine, Coastal and Shelf Science, 1989, 28, 307-325.	0.9	73
64	Spatial and temporal variability in South San Francisco Bay (USA). I. Horizontal distributions of salinity, suspended sediments, and phytoplankton biomass and productivity. Estuarine, Coastal and Shelf Science, 1989, 28, 583-597.	0.9	69
65	Spatial and temporal variability in South San Francisco Bay (USA). II. Temporal changes in salinity, suspended sediments, and phytoplankton biomass and productivity over tidal time scales. Estuarine, Coastal and Shelf Science, 1989, 28, 599-613.	0.9	84
66	Microbial and biogeochemical processes in Big Soda Lake, Nevada. Geological Society Special Publication, 1988, 40, 59-75.	0.8	7
67	Big Soda Lake (Nevada). 4. Vertical fluxes of particulate matter: Seasonality and variations across the chemocline. Limnology and Oceanography, 1987, 32, 815-824.	1.6	18
68	Big Soda Lake (Nevada). 1. Pelagic bacterial heterotrophy and biomass1. Limnology and Oceanography, 1987, 32, 781-793.	1.6	36
69	Turbidity as a control on phytoplankton biomass and productivity in estuaries. Continental Shelf Research, 1987, 7, 1367-1381.	0.9	601
70	Modeling of Estuarne Chlorophyll a from an Airborne Scanner. IEEE Transactions on Geoscience and Remote Sensing, 1987, GE-25, 662-669.	2.7	6
71	The phytoplankton component of seston in San Francisco Bay. Journal of Sea Research, 1987, 21, 25-33.	1.0	38
72	Biomass and Productivity of Three Phytoplankton Size Classes in San Francisco Bay. Estuaries and Coasts, 1986, 9, 117.	1.7	38

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73	The Modification of an Estuary. Science, 1986, 231, 567-573.	6.0	492
74	Temporal dynamics of estuarine phytoplankton: A case study of San Francisco Bay. Hydrobiologia, 1985, 129, 153-176.	1.0	126
75	Seasonal cycles of zooplankton from San Francisco Bay. Hydrobiologia, 1985, 129, 177-197.	1.0	60
76	Time scales and mechanisms of estuarine variability, a synthesis from studies of San Francisco Bay. Hydrobiologia, 1985, 129, 229-237.	1.0	58
77	Remote sensing of tidal chlorophyll-a variations in estuaries. International Journal of Remote Sensing, 1985, 6, 1685-1706.	1.3	21
78	Differences in in vivo fluorescence yield between three phytoplankton size classes. Journal of Plankton Research, 1985, 7, 381-390.	0.8	40
79	Chemistry and Microbiology of a Sewage Spill in South San Francisco Bay. Estuaries and Coasts, 1983, 6, 399.	1.7	10
80	Seasonal changes in the chemistry and biology of a meromictic lake (Big Soda Lake, Nevada, U.S.A.). Hydrobiologia, 1983, 105, 195-206.	1.0	45
81	River discharge controls phytoplankton dynamics in the northern San Francisco Bay estuary. Estuarine, Coastal and Shelf Science, 1983, 16, 415-429.	0.9	210
82	Autotrophic processes in meromictic Big Soda Lake, Nevada. Limnology and Oceanography, 1983, 28, 1049-1061.	1.6	85
83	Simulation model of Skeletonema costatum population dynamics in northern San Francisco Bay, California. Estuarine, Coastal and Shelf Science, 1981, 12, 83-100.	0.9	29
84	Empirical model of Skeletonema costatum photosynthetic rate, with applications in the San Francisco Bay estuary. Advances in Water Resources, 1978, 1, 267-274.	1.7	15
85	Simulation model of Cryptomonas ovata population dynamics in southern Kootenay Lake, British Columbia. Ecological Modelling, 1978, 4, 133-149.	1.2	10