

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	Our evolving conceptual model of the coastal eutrophication problem. <i>Marine Ecology - Progress Series</i> , 2001, 210, 223-253.	0.9	2,301
2	Phytoplankton bloom dynamics in coastal ecosystems: A review with some general lessons from sustained investigation of San Francisco Bay, California. <i>Reviews of Geophysics</i> , 1996, 34, 127-168.	9.0	636
3	Turbidity as a control on phytoplankton biomass and productivity in estuaries. <i>Continental Shelf Research</i> , 1987, 7, 1367-1381.	0.9	601
4	A comment on the use of flushing time, residence time, and age as transport time scales. <i>Limnology and Oceanography</i> , 2002, 47, 1545-1553.	1.6	582
5	Stable carbon and nitrogen isotope composition of aquatic and terrestrial plants of the San Francisco Bay estuarine system. <i>Limnology and Oceanography</i> , 2002, 47, 713-729.	1.6	548
6	The Modification of an Estuary. <i>Science</i> , 1986, 231, 567-573.	6.0	492
7	Phytoplankton primary production in the world's estuarine-coastal ecosystems. <i>Biogeosciences</i> , 2014, 11, 2477-2501.	1.3	477
8	Trophic interactions and direct physical effects control phytoplankton biomass and production in an estuary. <i>Limnology and Oceanography</i> , 1992, 37, 946-955.	1.6	441
9	An empirical model of the phytoplankton chlorophyll : carbon ratio—the conversion factor between productivity and growth rate. <i>Limnology and Oceanography</i> , 1995, 40, 1313-1321.	1.6	401
10	Human activities and climate variability drive fast-paced change across the world's estuarine-coastal ecosystems. <i>Global Change Biology</i> , 2016, 22, 513-529.	4.2	368
11	Patterns and Scales of Phytoplankton Variability in Estuarine-Coastal Ecosystems. <i>Estuaries and Coasts</i> , 2010, 33, 230-241.	1.0	268
12	Phytoplankton community ecology: principles applied in San Francisco Bay. <i>Marine Ecology - Progress Series</i> , 2005, 285, 11-28.	0.9	254
13	Title is missing!. , 1999, 33, 3-15.		240
14	The annual cycles of phytoplankton biomass. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3215-3226.	1.8	232
15	Molecular and isotopic tracers used to examine sources of organic matter and its incorporation into the food webs of San Francisco Bay. <i>Limnology and Oceanography</i> , 1995, 40, 67-81.	1.6	219
16	Tidal stirring and phytoplankton bloom dynamics in an estuary. <i>Journal of Marine Research</i> , 1991, 49, 203-221.	0.3	216
17	River discharge controls phytoplankton dynamics in the northern San Francisco Bay estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1983, 16, 415-429.	0.9	210
18	Phytoplankton blooms in estuarine and coastal waters: Seasonal patterns and key species. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 162, 98-109.	0.9	201

#	ARTICLE	IF	CITATIONS
19	Annual primary production: Patterns and mechanisms of change in a nutrient-rich tidal ecosystem. <i>Limnology and Oceanography</i> , 2002, 47, 698-712.	1.6	185
20	Complex seasonal patterns of primary producers at the land-sea interface. <i>Ecology Letters</i> , 2008, 11, 1294-1303.	3.0	182
21	Projected Evolution of California's San Francisco Bay-Delta-River System in a Century of Climate Change. <i>PLoS ONE</i> , 2011, 6, e24465.	1.1	180
22	A cold phase of the East Pacific triggers new phytoplankton blooms in San Francisco Bay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 18561-18565.	3.3	153
23	Effects of spatial and temporal variability of turbidity on phytoplankton blooms. <i>Marine Ecology - Progress Series</i> , 2003, 254, 111-128.	0.9	132
24	Temporal dynamics of estuarine phytoplankton: A case study of San Francisco Bay. <i>Hydrobiologia</i> , 1985, 129, 153-176.	1.0	126
25	Bioavailability of organic matter in a highly disturbed estuary: The role of detrital and algal resources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8101-8105.	3.3	123
26	Processes governing phytoplankton blooms in estuaries. II: The role of horizontal transport. <i>Marine Ecology - Progress Series</i> , 1999, 187, 17-30.	0.9	123
27	Ecosystem variability along the estuarine salinity gradient: Examples from long-term study of San Francisco Bay. <i>Limnology and Oceanography</i> , 2017, 62, S272.	1.6	117
28	Organic matter sources and rehabilitation of the Sacramento-San Joaquin Delta (California, USA). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2000, 10, 323-352.	0.9	116
29	Processes governing phytoplankton blooms in estuaries. I: The local production-loss balance. <i>Marine Ecology - Progress Series</i> , 1999, 187, 1-15.	0.9	110
30	Coupled effects of vertical mixing and benthic grazing on phytoplankton populations in shallow, turbid estuaries. <i>Journal of Marine Research</i> , 1993, 51, 843-868.	0.3	106
31	Climate anomalies generate an exceptional dinoflagellate bloom in San Francisco Bay. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	91
32	On Phytoplankton Trends. <i>Science</i> , 2008, 319, 1346-1348.	6.0	91
33	Metal uptake by phytoplankton during a bloom in South San Francisco Bay: Implications for metal cycling in estuaries. <i>Limnology and Oceanography</i> , 1998, 43, 1007-1016.	1.6	90
34	Biological communities in San Francisco Bay track large-scale climate forcing over the North Pacific. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	90
35	Dynamics of nutrient cycling and related benthic nutrient and oxygen fluxes during a spring phytoplankton bloom in South San Francisco Bay (USA). <i>Marine Ecology - Progress Series</i> , 2000, 197, 67-80.	0.9	86
36	Autotrophic processes in meromictic Big Soda Lake, Nevada. <i>Limnology and Oceanography</i> , 1983, 28, 1049-1061.	1.6	85

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37	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. <i>Estuarine, Coastal and Shelf Science</i> , 1989, 28, 599-613.	0.9	84
38	Clams as CO ₂ generators: The <i>Potamocorbula amurensis</i> example in San Francisco Bay. <i>Limnology and Oceanography</i> , 2003, 48, 2086-2092.	1.6	81
39	Prediction of unprecedented biological shifts in the global ocean. <i>Nature Climate Change</i> , 2019, 9, 237-243.	8.1	80
40	Detritus fuels ecosystem metabolism but not metazoan food webs in San Francisco estuary's freshwater delta. <i>Estuaries and Coasts</i> , 2005, 28, 124-137.	1.7	79
41	Habitat Connectivity and Ecosystem Productivity: Implications from a Simple Model. <i>American Naturalist</i> , 2007, 169, E21-E33.	1.0	75
42	Trace metal associations in the water column of South San Francisco Bay, California. <i>Estuarine, Coastal and Shelf Science</i> , 1989, 28, 307-325.	0.9	73
43	Why large cells dominate estuarine phytoplankton. <i>Limnology and Oceanography</i> , 2018, 63, S392.	1.6	70
44	Spatial and temporal variability in South San Francisco Bay (USA). I. Horizontal distributions of salinity, suspended sediments, and phytoplankton biomass and productivity. <i>Estuarine, Coastal and Shelf Science</i> , 1989, 28, 583-597.	0.9	69
45	Changes in production and respiration during a spring phytoplankton bloom in San Francisco Bay, California, USA: implications for net ecosystem metabolism. <i>Marine Ecology - Progress Series</i> , 1998, 172, 1-12.	0.9	63
46	Ecological Values of Shallow-Water Habitats: Implications for the Restoration of Disturbed Ecosystems. <i>Ecosystems</i> , 2006, 9, 422-440.	1.6	63
47	Estuarine fish communities respond to climate variability over both river and ocean basins. <i>Global Change Biology</i> , 2015, 21, 3608-3619.	4.2	62
48	Seasonal cycles of zooplankton from San Francisco Bay. <i>Hydrobiologia</i> , 1985, 129, 177-197.	1.0	60
49	Measurement of filtration rates by infaunal bivalves in a recirculating flume. <i>Marine Biology</i> , 1992, 113, 219-225.	0.7	59
50	Time scales and mechanisms of estuarine variability, a synthesis from studies of San Francisco Bay. <i>Hydrobiologia</i> , 1985, 129, 229-237.	1.0	58
51	Blurred lines: Multiple freshwater and marine algal toxins at the land-sea interface of San Francisco Bay, California. <i>Harmful Algae</i> , 2018, 73, 138-147.	2.2	57
52	Spatial and temporal variability of picocyanobacteria <i>Synechococcus</i> sp. in San Francisco Bay. <i>Limnology and Oceanography</i> , 2000, 45, 695-702.	1.6	54
53	The land-sea interface: A source of high-quality phytoplankton to support secondary production. <i>Limnology and Oceanography</i> , 2017, 62, S258.	1.6	53
54	Comparative biogeochemistry-ecosystem-human interactions on dynamic continental margins. <i>Journal of Marine Systems</i> , 2015, 141, 3-17.	0.9	49

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55	Seasonal changes in the chemistry and biology of a meromictic lake (Big Soda Lake, Nevada, U.S.A.). <i>Hydrobiologia</i> , 1983, 105, 195-206.	1.0	45
56	Differences in in vivo fluorescence yield between three phytoplankton size classes. <i>Journal of Plankton Research</i> , 1985, 7, 381-390.	0.8	40
57	Primary production and carrying capacity of former salt ponds after reconnection to San Francisco Bay. <i>Wetlands</i> , 2008, 28, 841-851.	0.7	40
58	Effects of tidal shallowing and deepening on phytoplankton production dynamics: A modeling study. <i>Estuaries and Coasts</i> , 2002, 25, 497-507.	1.7	39
59	Biomass and Productivity of Three Phytoplankton Size Classes in San Francisco Bay. <i>Estuaries and Coasts</i> , 1986, 9, 117.	1.7	38
60	The phytoplankton component of seston in San Francisco Bay. <i>Journal of Sea Research</i> , 1987, 21, 25-33.	1.0	38
61	Big Soda Lake (Nevada). 1. Pelagic bacterial heterotrophy and biomass. <i>Limnology and Oceanography</i> , 1987, 32, 781-793.	1.6	36
62	Simulation model of <i>Skeletonema costatum</i> population dynamics in northern San Francisco Bay, California. <i>Estuarine, Coastal and Shelf Science</i> , 1981, 12, 83-100.	0.9	29
63	Estuary-ocean connectivity: fast physics, slow biology. <i>Global Change Biology</i> , 2017, 23, 2345-2357.	4.2	29
64	Water quality measurements in San Francisco Bay by the U.S. Geological Survey, 1969-2015. <i>Scientific Data</i> , 2017, 4, 170098.	2.4	28
65	Microphytobenthic potential productivity estimated in three tidal embayments of the San Francisco Bay: A comparative study. <i>Estuaries and Coasts</i> , 2002, 25, 409-417.	1.7	27
66	Patterns, pace, and processes of water quality variability in a long-studied estuary. <i>Limnology and Oceanography</i> , 2019, 64, S192.	1.6	27
67	The Design of Sampling Transects for Characterizing Water Quality in Estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 1997, 45, 285-302.	0.9	26
68	Notes on a <i>Mesodinium rubrum</i> red tide in San Francisco Bay (California, USA). <i>Journal of Plankton Research</i> , 1994, 16, 1269-1276.	0.8	22
69	Remote sensing of tidal chlorophyll-a variations in estuaries. <i>International Journal of Remote Sensing</i> , 1985, 6, 1685-1706.	1.3	21
70	Episodic changes in lateral transport and phytoplankton distribution in South San Francisco Bay. <i>Limnology and Oceanography</i> , 1990, 35, 472-478.	1.6	19
71	Big Soda Lake (Nevada). 4. Vertical fluxes of particulate matter: Seasonality and variations across the chemocline. <i>Limnology and Oceanography</i> , 1987, 32, 815-824.	1.6	18
72	Seasonal changes in the spatial distribution of phytoplankton in small, temperate-zone lakes. <i>Journal of Plankton Research</i> , 1992, 14, 1017-1024.	0.8	17

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73	Empirical model of <i>Skeletonema costatum</i> photosynthetic rate, with applications in the San Francisco Bay estuary. <i>Advances in Water Resources</i> , 1978, 1, 267-274.	1.7	15
74	Simulation model of <i>Cryptomonas ovata</i> population dynamics in southern Kootenay Lake, British Columbia. <i>Ecological Modelling</i> , 1978, 4, 133-149.	1.2	10
75	Chemistry and Microbiology of a Sewage Spill in South San Francisco Bay. <i>Estuaries and Coasts</i> , 1983, 6, 399.	1.7	10
76	Seasonal variations in ectotherm growth rates: Quantifying growth as an intermittent non steady state compensatory process. <i>Journal of Sea Research</i> , 2011, 65, 355-361.	0.6	8
77	Perils of correlating CUSUM-transformed variables to infer ecological relationships (Breton et al.) <i>Tj ETQq1 1 0.784314 rgBT / Overlook</i>	1.6	8
78	Microbial and biogeochemical processes in Big Soda Lake, Nevada. <i>Geological Society Special Publication</i> , 1988, 40, 59-75.	0.8	7
79	Modeling of Estuarine Chlorophyll a from an Airborne Scanner. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 1987, GE-25, 662-669.	2.7	6
80	Resolving variability of phytoplankton species composition and blooms in coastal ecosystems. <i>Estuarine, Coastal and Shelf Science</i> , 2015, 162, 4-6.	0.9	6
81	Virtual Networking Between Editors and Early Career Scientists: Benefits, Silver Linings, and Lessons Learned. <i>Limnology and Oceanography Bulletin</i> , 2020, 29, 141-144.	0.2	4
82	Engaging the next generation of editorial talent through a hands-on fellowship model. <i>Ecology Letters</i> , 2021, 24, 1297-1301.	3.0	4
83	Global Patterns of Phytoplankton Dynamics in Coastal Ecosystems. <i>Eos</i> , 2011, 92, 85-85.	0.1	2
84	ASLO Takes a Next Step toward Open Science: Introducing Data Papers, a New Article Type in <i>Limnology & Oceanography Letters</i> . <i>Limnology and Oceanography Bulletin</i> , 2019, 28, 142-143.	0.2	1
85	The Great (Toilet) Paper Chase: Our Study of the 1979 San Francisco Bay Sewage Spill (As Motivated by) <i>Tj ETQq1 1 0.784314 rgBT / Overlook</i> e2020CN000132.	0.2	1