

Peter C Chu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3880544/publications.pdf>

Version: 2024-02-01

165
papers

4,040
citations

126907

33
h-index

155660

55
g-index

201
all docs

201
docs citations

201
times ranked

3010
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoscale eddies in the South China Sea observed with altimeter data. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	377
2	A Three-Point Combined Compact Difference Scheme. <i>Journal of Computational Physics</i> , 1998, 140, 370-399.	3.8	207
3	Dynamical Mechanisms for the South China Sea Seasonal Circulation and Thermohaline Variabilities. <i>Journal of Physical Oceanography</i> , 1999, 29, 2971-2989.	1.7	177
4	South China Sea Isopycnal-Surface Circulation. <i>Journal of Physical Oceanography</i> , 2000, 30, 2419-2438.	1.7	135
5	An airborne expendable bathythermograph survey of the South China Sea, May 1995. <i>Journal of Geophysical Research</i> , 1998, 103, 21637-21652.	3.3	94
6	Seasonal variability of the Yellow Sea/East China Sea surface fluxes and thermohaline structure. <i>Advances in Atmospheric Sciences</i> , 2005, 22, 1-20.	4.3	84
7	Particulate air pollution in Lanzhou China. <i>Environment International</i> , 2008, 34, 698-713.	10.0	84
8	Interannual-to-interdecadal variability of the Yellow Sea Cold Water Mass in 1967–2008: Characteristics and seasonal forcings. <i>Journal of Marine Systems</i> , 2011, 87, 177-193.	2.1	84
9	Response of the South China Sea to Tropical Cyclone Ernie 1996. <i>Journal of Geophysical Research</i> , 2000, 105, 13991-14009.	3.3	81
10	South China Sea Wind-Wave Characteristics. Part I: Validation of Wavewatch-III Using TOPEX/Poseidon Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 1718-1733.	1.3	74
11	Spring Land Surface and Subsurface Temperature Anomalies and Subsequent Downstream Late Spring–Summer Droughts/Floods in North America and East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5001-5019.	3.3	65
12	A parametric model for the Yellow Sea thermal variability. <i>Journal of Geophysical Research</i> , 1997, 102, 10499-10507.	3.3	60
13	Determination of Vertical Thermal Structure from Sea Surface Temperature. <i>Journal of Atmospheric and Oceanic Technology</i> , 2000, 17, 971-979.	1.3	60
14	Sixth-Order Difference Scheme for Sigma Coordinate Ocean Models. <i>Journal of Physical Oceanography</i> , 1997, 27, 2064-2071.	1.7	56
15	Seasonal and intraseasonal thermocline variability in the central south China Sea. <i>Geophysical Research Letters</i> , 2001, 28, 4467-4470.	4.0	55
16	Seasonal Variability of Thermohaline Front in the Central South China Sea. <i>Journal of Oceanography</i> , 2003, 59, 65-78.	1.7	53
17	Wave energy potential in the Eastern Mediterranean Levantine Basin. An integrated 10-year study. <i>Renewable Energy</i> , 2014, 69, 311-323.	8.9	53
18	Japan Sea Thermohaline Structure and Circulation. Part I: Climatology. <i>Journal of Physical Oceanography</i> , 2001, 31, 244-271.	1.7	52

#	ARTICLE	IF	CITATIONS
19	Thermal and haline fronts in the Yellow/East China Seas: Surface and subsurface seasonality comparison. <i>Journal of Oceanography</i> , 2006, 62, 617-638.	1.7	52
20	A Three-Point Sixth-Order Nonuniform Combined Compact Difference Scheme. <i>Journal of Computational Physics</i> , 1999, 148, 663-674.	3.8	51
21	Simulation of More Realistic Upper-Ocean Processes from an OGCM with a New Ocean Mixed Layer Model. <i>Journal of Physical Oceanography</i> , 2002, 32, 1284-1307.	1.7	51
22	The impact of spring subsurface soil temperature anomaly in the western U.S. on North American summer precipitation: A case study using regional climate model downscaling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	51
23	South China Sea warm pool detected in spring from the Navy's Master Oceanographic Observational Data Set (MOODS). <i>Journal of Geophysical Research</i> , 1997, 102, 15761-15771.	3.3	50
24	South china sea warm pool in boreal spring. <i>Advances in Atmospheric Sciences</i> , 1997, 14, 195-206.	4.3	46
25	A numerical modeling study on desert oasis self-supporting mechanisms. <i>Journal of Hydrology</i> , 2005, 312, 256-276.	5.4	45
26	Experiment of falling cylinder through the water column. <i>Experimental Thermal and Fluid Science</i> , 2005, 29, 555-568.	2.7	44
27	Geostrophic Circulation in the Tropical North Pacific Ocean Based on Argo Profiles. <i>Journal of Physical Oceanography</i> , 2014, 44, 558-575.	1.7	41
28	Analysis of Sparse and Noisy Ocean Current Data Using Flow Decomposition. Part I: Theory. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003, 20, 478-491.	1.3	38
29	Two Kinds of Predictability in the Lorenz System. <i>Journals of the Atmospheric Sciences</i> , 1999, 56, 1427-1432.	1.7	37
30	Evidence of a Barrier Layer in the Sulu and Celebes Seas. <i>Journal of Physical Oceanography</i> , 2002, 32, 3299-3309.	1.7	35
31	South China Sea wave characteristics during typhoon Muifa passage in winter 2004. <i>Journal of Oceanography</i> , 2008, 64, 1-21.	1.7	35
32	A new methodology for the extension of the impact of data assimilation on ocean wave prediction. <i>Ocean Dynamics</i> , 2009, 59, 523-535.	2.2	35
33	On long baroclinic Rossby waves in the tropical North Atlantic observed from profiling floats. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
34	Atmospheric effects on winter SO ₂ pollution in Lanzhou, China. <i>Atmospheric Research</i> , 2008, 89, 365-373.	4.1	34
35	Wave height characteristics in the Mediterranean Sea by means of numerical modeling, satellite data, statistical and geometrical techniques. <i>Marine Geophysical Researches</i> , 2012, 33, 1-15.	1.2	34
36	Analysis of Sparse and Noisy Ocean Current Data Using Flow Decomposition. Part II: Applications to Eulerian and Lagrangian Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003, 20, 492-512.	1.3	33

#	ARTICLE	IF	CITATIONS
37	World Ocean Isopycnal Level Absolute Geostrophic Velocity (WOIL-V) Inverted from GDEM with the P-Vector Method. Data, 2018, 3, 1.	2.3	33
38	Temporal and spatial scales of the Yellow Sea thermal variability. Journal of Geophysical Research, 1997, 102, 5655-5667.	3.3	32
39	Seasonal variability of the Black Sea chlorophyll-a concentration. Journal of Marine Systems, 2005, 56, 243-261.	2.1	32
40	Maximum angle method for determining mixed layer depth from seaglider data. Journal of Oceanography, 2011, 67, 219-230.	1.7	31
41	Optimal Linear Fitting for Objective Determination of Ocean Mixed Layer Depth from Glider Profiles. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1893-1898.	1.3	30
42	Title is missing!. Journal of Oceanography, 2001, 57, 549-563.	1.7	29
43	Ship Routing Utilizing Strong Ocean Currents. Journal of Navigation, 2013, 66, 825-835.	1.7	28
44	Japan Sea Thermohaline Structure and Circulation. Part II: A Variational P-Vector Method. Journal of Physical Oceanography, 2001, 31, 2886-2902.	1.7	27
45	A Geometric Model for the Beaufort/Chukchi Sea Thermohaline Structure. Journal of Atmospheric and Oceanic Technology, 1999, 16, 613-632.	1.3	26
46	Summer temperature trend over the past two millennia using air content in Himalayan ice. Climate of the Past, 2007, 3, 89-95.	3.4	26
47	Site selection of ocean current power generation from drifter measurements. Renewable Energy, 2015, 80, 737-745.	8.9	26
48	Observed near-surface flows under all tropical cyclone intensity levels using drifters in the northwestern Pacific. Journal of Geophysical Research: Oceans, 2013, 118, 2367-2377.	2.6	25
49	Derivative-optimized empirical mode decomposition for the Hilbert-Huang transform. Journal of Computational and Applied Mathematics, 2014, 259, 57-64.	2.0	25
50	P-Vector Spirals and Determination of Absolute Velocities. Journal of Oceanography, 2000, 56, 591-599.	1.7	24
51	Interannual SST variability in the Japan/East Sea and relationship with environmental variables. Journal of Oceanography, 2006, 62, 115-132.	1.7	24
52	On Haney-Type Surface Thermal Boundary Conditions for Ocean Circulation Models. Journal of Physical Oceanography, 1998, 28, 890-901.	1.7	23
53	Hydrostatic correction for sigma coordinate ocean models. Journal of Geophysical Research, 2003, 108, .	3.3	22
54	Prediction of Falling Cylinder Through Air-Water-Sediment Columns. Journal of Applied Mechanics, Transactions ASME, 2006, 73, 300-314.	2.2	22

#	ARTICLE	IF	CITATIONS
55	Triple Coordinate Transforms for Prediction of Falling Cylinder Through the Water Column. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 292-298.	2.2	22
56	Temporal and spatial variabilities of Japan Sea surface temperature and atmospheric forcings. Journal of Oceanography, 1998, 54, 273-284.	1.7	21
57	On non-linear sensitivity of marine biological models to parameter variations. Ecological Modelling, 2007, 206, 369-382.	2.5	21
58	Statistical Characteristics of the Global Surface Current Speeds Obtained From Satellite Altimetry and Scatterometer Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2009, 2, 27-32.	4.9	21
59	Statistical post processes for the improvement of the results of numerical wave prediction models. A combination of Kolmogorov-Zurbenko and Kalman filters. Journal of Operational Oceanography, 2011, 4, 23-31.	1.2	21
60	Evaluation of the U.S. Navy's Modular Ocean Data Assimilation System (MODAS) Using South China Sea Monsoon Experiment (SCSMEX) Data. Journal of Oceanography, 2004, 60, 1007-1021.	1.7	20
61	COMPACT EMPIRICAL MODE DECOMPOSITION: AN ALGORITHM TO REDUCE MODE MIXING, END EFFECT, AND DETREND UNCERTAINTY. Advances in Adaptive Data Analysis, 2012, 04, 1250017.	0.6	20
62	Speleothem evidence for temporal-spatial variation in the East Asian Summer Monsoon since the Medieval Warm Period. Journal of Quaternary Science, 2012, 27, 901-910.	2.1	20
63	Fuel-saving ship route using the Navy's ensemble meteorological and oceanic forecasts. Journal of Defense Modeling and Simulation, 2015, 12, 41-56.	1.7	20
64	On the two-phase thermodynamics of the coupled cloud-ocean mixed layer. Journal of Geophysical Research, 1991, 96, 3425-3436.	3.3	19
65	Tropical cyclone footprint in the ocean mixed layer observed by Argo in the Northwest Pacific. Journal of Geophysical Research: Oceans, 2014, 119, 8078-8092.	2.6	19
66	Impact of Langmuir Turbulence on the Thermal Response of the Ocean Surface Mixed Layer to Supertyphoon Haitang (2005). Journal of Physical Oceanography, 2018, 48, 1651-1674.	1.7	19
67	Circulation in the Archipelago de Colón (Galapagos Islands), November, 1993. Deep-Sea Research Part II: Topical Studies in Oceanography, 1998, 45, 1093-1114.	1.4	18
68	Mine-Impact Burial Model (IMPACT35) Verification and Improvement Using Sediment Bearing Factor Method. IEEE Journal of Oceanic Engineering, 2007, 32, 34-48.	3.8	18
69	Observed near-surface currents under high wind speeds. Journal of Geophysical Research, 2012, 117, .	3.3	18
70	A three-point sixth-order staggered combined compact difference scheme. Mathematical and Computer Modelling, 2000, 32, 323-340.	2.0	17
71	Wave height characteristics in the north Atlantic ocean: a new approach based on statistical and geometrical techniques. Stochastic Environmental Research and Risk Assessment, 2012, 26, 83-103.	4.0	17
72	Impact of sea spray on the yellow and East China Seas thermal structure during the passage of Typhoon Rammasun (2002). Journal of Geophysical Research: Oceans, 2017, 122, 7783-7802.	2.6	17

#	ARTICLE	IF	CITATIONS
73	Evaluation of the Princeton Ocean Model Using South China Sea Monsoon Experiment (SCSMEX) Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2001, 18, 1521-1539.	1.3	16
74	ROTATION METHOD FOR RECONSTRUCTING PROCESS AND FIELD FROM IMPERFECT DATA. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 2991-2997.	1.7	16
75	Probability distribution function of the upper equatorial Pacific current speeds. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	16
76	Global upper ocean heat content and climate variability. <i>Ocean Dynamics</i> , 2011, 61, 1189-1204.	2.2	16
77	Generation of Low-Frequency Unstable Modes in a Coupled Equatorial Troposphere and Ocean Mixed-Layer Model. <i>Journals of the Atmospheric Sciences</i> , 1993, 50, 731-749.	1.7	15
78	Determination of Open Boundary Conditions with an Optimization Method. <i>Journal of Atmospheric and Oceanic Technology</i> , 1997, 14, 723-734.	1.3	15
79	P-Vector inverse method evaluated using the modular ocean model (MOM). <i>Journal of Oceanography</i> , 1998, 54, 185-198.	1.7	15
80	Synoptic distributions of thermal surface mixed layer and thermocline in the southern yellow and East China Seas. <i>Journal of Oceanography</i> , 2007, 63, 1021-1028.	1.7	15
81	An inverse model for calculation of global volume transport from wind and hydrographic data. <i>Journal of Marine Systems</i> , 2007, 65, 376-399.	2.1	14
82	Conceptual Design of Future Undersea Unmanned Vehicle (UUV) System for Mine Disposal. <i>IEEE Systems Journal</i> , 2014, 8, 43-51.	4.6	14
83	Northwest Pacific subtropical countercurrent on isopycnal surface in summer. <i>Geophysical Research Letters</i> , 2002, 29, 23-1-23-4.	4.0	13
84	Power law decay in model predictability skill. <i>Geophysical Research Letters</i> , 2002, 29, 38-1-38-4.	4.0	13
85	Probabilistic Stability of an Atmospheric Model to Various Amplitude Perturbations. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 2860-2873.	1.7	13
86	Japan Sea Thermohaline Structure and Circulation. Part III: Autocorrelation Functions. <i>Journal of Physical Oceanography</i> , 2002, 32, 3596-3615.	1.7	13
87	Observed near-surface currents under four super typhoons. <i>Journal of Marine Systems</i> , 2014, 139, 311-319.	2.1	13
88	Low-Frequency Variability of the Yellow Sea Cold Water Mass Identified from the China Coastal Waters and Adjacent Seas Reanalysis. <i>Advances in Meteorology</i> , 2015, 2015, 1-14.	1.6	13
89	Ekman Spiral in a Horizontally Inhomogeneous Ocean with Varying Eddy Viscosity. <i>Pure and Applied Geophysics</i> , 2015, 172, 2831-2857.	1.9	13
90	Afforestation for reduction of NOX concentration in Lanzhou China. <i>Environment International</i> , 2008, 34, 688-697.	10.0	11

#	ARTICLE	IF	CITATIONS
91	Mine Impact Burial Prediction From One to Three Dimensions. Applied Mechanics Reviews, 2009, 62, .	10.1	11
92	Observed strong currents under global tropical cyclones. Journal of Marine Systems, 2016, 159, 33-40.	2.1	11
93	Title is missing!. Journal of Oceanography, 1999, 55, 543-558.	1.7	10
94	Pseudocylinder Parametrization For Mine Impact Burial Prediction. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 1215-1220.	1.5	10
95	On stochastic stability of regional ocean models to finite-amplitude perturbations of initial conditions. Dynamics of Atmospheres and Oceans, 2007, 43, 199-225.	1.8	10
96	Global ocean synoptic thermocline gradient, isothermal-layer depth, and other upper ocean parameters. Scientific Data, 2019, 6, 119.	5.3	10
97	An Ice Breeze Mechanism for an Ice Divergence-Convergence Criterion in the Marginal Ice Zone. Journal of Physical Oceanography, 1987, 17, 1627-1632.	1.7	9
98	Relationship between thermally forced surface wind and sea surface temperature gradient. Pure and Applied Geophysics, 1989, 130, 31-45.	1.9	8
99	An Accuracy Progressive Sixth-Order Finite-Difference Scheme. Journal of Atmospheric and Oceanic Technology, 2001, 18, 1245-1257.	1.3	8
100	Change of multifractal thermal characteristics in the western Philippine sea upper layer during internal wave-soliton propagation. Journal of Oceanography, 2007, 63, 927-939.	1.7	8
101	A Conserved Minimal Adjustment Scheme for Stabilization of Hydrographic Profiles. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1072-1083.	1.3	8
102	Accuracy Progressive Calculation of Lagrangian Trajectories from a Gridded Velocity Field. Journal of Atmospheric and Oceanic Technology, 2014, 31, 1615-1627.	1.3	8
103	Absolute geostrophic velocity inverted from World Ocean Atlas 2013 (WOAV 13) with the P&E vector method. Geoscience Data Journal, 2015, 2, 78-82.	4.4	8
104	Comment on "A coupled dynamic&thermodynamic model of an ice&ocean system in the marginal ice zone" by Sirpa H&Akkinen. Journal of Geophysical Research, 1988, 93, 5155-5156.	3.3	7
105	Thermodynamic feedback between clouds and the ocean surface mixed layer. Advances in Atmospheric Sciences, 1990, 7, 1-10.	4.3	7
106	Determination of the current system on isopycnal surface between Mindanao and New Guinea from GDEM. Chinese Journal of Oceanology and Limnology, 2003, 21, 193-213.	0.7	7
107	Multi-fractal thermal characteristics of the southwestern GIN sea upper layer. Chaos, Solitons and Fractals, 2004, 19, 275-284.	5.1	7
108	Effect of wave boundary layer on sea-to-air dimethylsulfide transfer velocity during typhoon passage. Journal of Marine Systems, 2007, 66, 122-129.	2.1	7

#	ARTICLE	IF	CITATIONS
109	Observational studies on association between eastward equatorial jet and Indian Ocean dipole. <i>Journal of Oceanography</i> , 2010, 66, 429-434.	1.7	7
110	Geostrophic meridional transport in tropical Northwest Pacific based on Argo profiles. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 656-664.	0.7	7
111	Variational Estimation of Wave-Affected Parameters in a Two-Equation Turbulence Model. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 528-546.	1.3	7
112	An instability theory of ice-air interaction for the migration of the marginal ice zone. <i>Geophysical Journal International</i> , 1986, 86, 863-883.	2.4	6
113	Nutrient pumping/advection by propagating Rossby Waves in the Kuroshio Extension. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010, 57, 1809-1819.	1.4	6
114	Ocean spectral data assimilation without background error covariance matrix. <i>Ocean Dynamics</i> , 2016, 66, 1143-1163.	2.2	6
115	Prediction of Mobility and Burial of Objects on Sandy Seafloor. <i>IEEE Journal of Oceanic Engineering</i> , 2022, 47, 111-125.	3.8	6
116	Lagrangian predictability of high-resolution regional models: the special case of the Gulf of Mexico. <i>Nonlinear Processes in Geophysics</i> , 2004, 11, 47-66.	1.3	5
117	Statistical characteristics of irreversible predictability time in regional ocean models. <i>Nonlinear Processes in Geophysics</i> , 2005, 12, 129-138.	1.3	5
118	Japan/East Sea model predictability. <i>Continental Shelf Research</i> , 2005, 25, 2107-2121.	1.8	5
119	Probability Density Function of Underwater Bomb Trajectory Deviation Due to Stochastic Ocean Surface Slope. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2011, 133, .	1.6	5
120	Effect of Cylindrically Shaped Atoll on Westward-Propagating Anticyclonic Eddy—A Case Study. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2012, 9, 43-46.	3.1	5
121	Optimal Spectral Decomposition (OSD) for Ocean Data Assimilation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 828-841.	1.3	5
122	Global Energy-saving Map of Strong Ocean Currents. <i>Journal of Navigation</i> , 2016, 69, 75-92.	1.7	5
123	Exponential leap-forward gradient scheme for determining the isothermal layer depth from profile data. <i>Journal of Oceanography</i> , 2017, 73, 503-526.	1.7	5
124	Technical note: Two types of absolute dynamic ocean topography. <i>Ocean Science</i> , 2018, 14, 947-957.	3.4	5
125	True gravity in ocean dynamics Part 1 Ekman transport. <i>Dynamics of Atmospheres and Oceans</i> , 2021, 96, 101268.	1.8	5
126	Oceanic responses to gradual transitions of equator-to-pole temperature-gradients. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1998, 124, 2817-2828.	2.7	4

#	ARTICLE	IF	CITATIONS
127	Backward Fokker-Planck equation for determining model valid prediction period. Journal of Geophysical Research, 2002, 107, 11-1.	3.3	4
128	Characteristics of thermal finestructure in the southern Yellow Sea and the East China Sea from airborne expendable bathythermograph measurements. Journal of Oceanography, 2008, 64, 859-875.	1.7	4
129	Improvement of short-term forecasting in the northwest Pacific through assimilating Argo data into initial fields. Acta Oceanologica Sinica, 2013, 32, 57-65.	1.0	4
130	Generation of Unstable Modes of the Iceward-attenuating Swell by Ice Breeze. Journal of Physical Oceanography, 1987, 17, 828-832.	1.7	3
131	Extremely strong thermohaline sources/sinks generated by diagnostic initialization. Geophysical Research Letters, 2003, 30, .	4.0	3
132	First-passage time for stability analysis of the Kaldor model. Chaos, Solitons and Fractals, 2006, 27, 1355-1368.	5.1	3
133	Weibull Distribution for the Global Surface Current Speeds Obtained from Satellite Altimetry. , 2008, , .		3
134	Diagnostic-Photographic Determination of Drag/Lift/Torque Coefficients of a High Speed Rigid Body in a Water Column. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	2.2	3
135	Objective determination of global ocean surface mixed layer depth. , 2010, , .		3
136	A Fully Conserved Minimal Adjustment Scheme with (T, S) Coherency for Stabilization of Hydrographic Profiles. Journal of Atmospheric and Oceanic Technology, 2012, 29, 1854-1865.	1.3	3
137	Coupled Delft3D-Object Model to Predict Mobility of Munition on Sandy Seafloor. Fluids, 2021, 6, 330.	1.7	3
138	Use of Global Satellite Altimeter and Drifter Data for Ocean Current Resource Characterization. , 2017, , 159-177.		3
139	A thermal oscillation under a restorative forcing. Quarterly Journal of the Royal Meteorological Society, 1998, 124, 793-809.	2.7	2
140	Evaluation of Haney-type surface thermal boundary conditions using a coupled atmosphere and ocean model. Advances in Atmospheric Sciences, 2001, 18, 355-375.	4.3	2
141	First Passage Time Analysis on Climate Indices. Journal of Atmospheric and Oceanic Technology, 2008, 25, 258-270.	1.3	2
142	Environmental effects on underwater optical transmission. Proceedings of SPIE, 2017, , .	0.8	2
143	Synoptic monthly gridded global and regional four-dimensional World Ocean Database and Global Temperature and Salinity Profile Programme (T , S , u , v) fields with the optimal spectral decomposition and vector methods. Geoscience Data Journal, 2017, 4, 50-71.	4.4	2
144	Steepest Ascent Low/Non-Low-Frequency Ratio in Empirical Mode Decomposition to Separate Deterministic and Stochastic Velocities From a Single Lagrangian Drifter. Journal of Geophysical Research: Oceans, 2018, 123, 1708-1721.	2.6	2

#	ARTICLE	IF	CITATIONS
145	Underwater optical detection after passage of tropical storm. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	2
146	Determination of Dynamic Ocean Topography Using the Minimum Energy State. Universal Journal of Geoscience, 2018, 6, 25-39.	0.7	2
147	C-vector for identification of oceanic secondary circulations across Arctic Fronts in Fram Strait. Geophysical Research Letters, 2002, 29, 10-1-10-4.	4.0	1
148	Sensitivity of Satellite Altimetry Data Assimilation on a Weapon Acoustic Preset. IEEE Journal of Oceanic Engineering, 2007, 32, 453-468.	3.8	1
149	Effect of Internal Solitary Waves on Underwater Acoustic Propagation. Marine Technology Society Journal, 2010, 44, 10-16.	0.4	1
150	Operational atmospheric and wave modelling in the California's coastline and offshore area with applications to wave energy monitoring and assessment. Journal of Operational Oceanography, 2017, 10, 135-153.	1.2	1
151	Spatial and temporal variability of the California Current identified from the synoptic monthly gridded World Ocean Database (WOD). Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 151, 37-48.	1.4	1
152	World Ocean Thermocline Weakening and Isothermal Layer Warming. Applied Sciences (Switzerland), 2020, 10, 8185.	2.5	1
153	Underwater Optical Path Loss after Passage of a Tropical Storm. Applied Sciences (Switzerland), 2020, 10, 4777.	2.5	1
154	Semi-empirical formulas of drag/lift coefficients for high speed rigid body manoeuvring in water column. , 2008, , .		1
155	Sediment accretion in a lower-energetic location during two consecutive cold fronts. Journal of Operational Oceanography, 2023, 16, 256-266.	1.2	1
156	Reply to "Comment on "A parametric model for the Yellow Sea thermal variability" by P. C. Chu et al." Journal of Geophysical Research, 1999, 104, 18463-18466.	3.3	0
157	A Terrain-Following Crystal Grid Finite Volume Ocean Circulation Model. Journal of Oceanography, 2004, 60, 945-952.	1.7	0
158	The role of the halted baroclinic mode at the central equatorial Pacific in El Niño event. Advances in Atmospheric Sciences, 2006, 23, 45-53.	4.3	0
159	Optimal Spectral Decomposition (OSD) for Remotely Sensed Ocean Data Assimilation. , 2008, , .		0
160	Effect of inter- and intra-annual thermohaline variability on acoustic propagation. Proceedings of SPIE, 2017, , .	0.8	0
161	Lagrangian Drifter to Identify Ocean Eddy Characteristics. Climate, 2019, 7, 137.	2.8	0
162	World ocean annual mean absolute geostrophic velocity on marine geoid of EIGEN6C4 from WOA13. Geoscience Data Journal, 2022, 9, 131-139.	4.4	0

#	ARTICLE	IF	CITATIONS
163	Optimization of the Navy's three-dimensional mine impact burial prediction simulation model, Impact35, using high-order numerical methods. Journal of Defense Modeling and Simulation, 0, , 154851292110286.	1.7	0
164	Analysis of remotely sensed ocean data by the optimal spectral decomposition (OSD) method. , 2009, , .		0
165	Temporal and spatial variability of bottom sedimentation for survey periodicity. WIT Transactions on Ecology and the Environment, 2011, , .	0.0	0