

Arata Kaneko

List of Publications by Year in descending order

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57
papers

1,177
citations

430754

18
h-index

414303

32
g-index

58
all docs

58
docs citations

58
times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in studies of the South China Sea circulation. <i>Journal of Oceanography</i> , 2008, 64, 753-762.	0.7	117
2	Seasonal variability in the Tsushima Warm Current, Tsushima-Korea Strait. <i>Continental Shelf Research</i> , 1994, 14, 23-35.	0.9	74
3	Assimilation of coastal acoustic tomography data into a barotropic ocean model. <i>Geophysical Research Letters</i> , 2000, 27, 3373-3376.	1.5	72
4	Long-term measurement of stream flow and salinity in a tidal river by the use of the fluvial acoustic tomography system. <i>Journal of Hydrology</i> , 2010, 380, 74-81.	2.3	61
5	A Continuous Mapping of Tidal Current Structures in the Kanmon Strait. <i>Journal of Oceanography</i> , 2005, 61, 283-294.	0.7	49
6	The Kuroshio East of Taiwan and in the East China Sea and the currents East of Ryukyu Islands during early summer of 1996. <i>Journal of Oceanography</i> , 1998, 54, 217-226.	0.7	48
7	Mapping Tidal Current Structures in Zhitouyang Bay, China, Using Coastal Acoustic Tomography. <i>IEEE Journal of Oceanic Engineering</i> , 2013, 38, 285-296.	2.1	47
8	The Northeastward current southeast of Okinawa Island observed during November 2000 to August 2001. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	45
9	Accurate imaging and prediction of Kanmon Strait tidal current structures by the coastal acoustic tomography data. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	44
10	Tomographic mapping of a coastal upwelling and the associated diurnal internal tides in Hiroshima Bay, Japan. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 4288-4305.	1.0	36
11	Numerical and observational estimates of Indian Ocean Kelvin wave intrusion into Lombok Strait. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	35
12	Computer Simulation of Coastal Acoustic Tomography by a Two-Dimensional Vortex Model. <i>Journal of Oceanography</i> , 2001, 57, 593-602.	0.7	33
13	Measuring discharge in a river with tidal bores by use of the coastal acoustic tomography system. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 104-105, 54-65.	0.9	33
14	Observing Internal Solitary Waves in the Lombok Strait by Coastal Acoustic Tomography. <i>Geophysical Research Letters</i> , 2019, 46, 10475-10483.	1.5	26
15	Mapping of a Typhoon-Driven Coastal Upwelling by Assimilating Coastal Acoustic Tomography Data. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 7822-7837.	1.0	25
16	Design of the acoustic tomography system for velocity measurement with an application to the coastal sea.. <i>Journal of the Acoustical Society of Japan (E)</i> , 1998, 19, 199-210.	0.1	24
17	Cross-stream velocity structures and their downstream variation of the Kuroshio around Japan. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992, 39, 1583-1594.	1.6	21
18	Application of acoustic tomography to reconstruct the horizontal flow velocity field in a shallow river. <i>Water Resources Research</i> , 2015, 51, 9665-9678.	1.7	20

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19	Optimum design of the ocean acoustic tomography system for the Sea of Japan. <i>Journal of Oceanography</i> , 1994, 50, 281-293.	0.7	19
20	Kuroshio Stream path variation and its associated velocity structures south of Shikoku, Japan. <i>Geophysical Research Letters</i> , 2001, 28, 4615-4618.	1.5	19
21	Measuring the Kuroshio Current with ocean acoustic tomography. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 3272-3281.	0.5	19
22	The characteristic distribution of silica over the East China Sea shelf slope. <i>Journal of Oceanography</i> , 1994, 50, 465-477.	0.7	16
23	Reciprocal sound transmission measurement of mean current and temperature variations in the central part (Aki-nada) of the Seto Inland Sea, Japan. <i>Journal of Oceanography</i> , 2011, 67, 173-182.	0.7	16
24	Acoustic Measurement of Multisubtidal Internal Modes Generated in Hiroshima Bay, Japan. <i>IEEE Journal of Oceanic Engineering</i> , 2009, 34, 103-112.	2.1	15
25	Long-term acoustic tomography measurement of ocean currents at the northern part of the Luzon Strait. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	15
26	Ocean variability along the southern coast of Java and Lesser Sunda Islands. <i>Journal of Oceanography</i> , 2013, 69, 557-570.	0.7	15
27	Acoustic measurement of the net transport through the Seto Inland Sea. <i>Acoustical Science and Technology</i> , 2016, 37, 10-20.	0.3	15
28	ADCP measurements from a towed fish. <i>Eos</i> , 1988, 69, 643.	0.1	14
29	Towed ADCP fish with Depth and Roll controllable wings and its application to the Kuroshio observation. <i>Journal of Oceanography</i> , 1993, 49, 383-395.	0.7	14
30	Profiling measurement of internal tides in Bali Strait by reciprocal sound transmission. <i>Acoustical Science and Technology</i> , 2017, 38, 246-253.	0.3	14
31	Diurnal variability and its quantification of subsurface sound scatterers in the western equatorial Pacific. <i>Journal of Oceanography</i> , 1996, 52, 655-674.	0.7	13
32	Monitoring Surface Velocity from Repeated ADCP Observations and Satellite Altimetry. <i>Journal of Oceanography</i> , 2004, 60, 365-374.	0.7	11
33	Currents in the Luzon Strait obtained from moored ADCP observations and a diagnostic calculation of circulation in spring 2008. <i>Dynamics of Atmospheres and Oceans</i> , 2012, 58, 20-43.	0.7	11
34	Tomographic measurement of tidal current and associated 3-h oscillation in Bali Strait. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 236, 106655.	0.9	11
35	Annual variation of the southern boundary current in the Banda Sea. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 50, 129-139.	0.7	10
36	Real-Time Offshore Coastal Acoustic Tomography Enabled With Mirror-Transpond Functionality. <i>IEEE Journal of Oceanic Engineering</i> , 2020, 45, 645-655.	2.1	10

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37	Monitoring of Yangtze River Discharge at Datong Hydrometric Station Using Acoustic Tomography Technology. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	10
38	Mapping of tidal current and associated nonlinear currents in the Xiangshan Bay by coastal acoustic tomography. <i>Ocean Dynamics</i> , 2021, 71, 811.	0.9	9
39	Long-term acoustic measurement of temperature variations in the Pacific North Equatorial Current. <i>Journal of Geophysical Research</i> , 1996, 101, 16373-16380.	3.3	8
40	Repeat meridional survey of the Western North Pacific Subtropical Gyre by a VOS ADCP during 1997 to 1998. <i>Geophysical Research Letters</i> , 2001, 28, 3429-3432.	1.5	8
41	Tidal current measurement in the Kurushima Strait by the reciprocal sound transmission method. <i>Acoustical Science and Technology</i> , 2012, 33, 45-51.	0.3	8
42	Dynamics of Tidal and Residual Currents Based on Coastal Acoustic Tomography Assimilated Data Obtained in Jiaozhou Bay, China. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017003.	1.0	8
43	Mapping Current Fields in a Bay Using a Coast-Fitting Tomographic Inversion. <i>Sensors</i> , 2020, 20, 558.	2.1	7
44	Prevalance of ADCP and the Associated Progress of Oceanography.. <i>Oceanography in Japan</i> , 1994, 3, 359-372.	0.5	7
45	A numerical experiment on nearshore circulation in standing edge waves. <i>Coastal Engineering</i> , 1983, 7, 271-284.	1.7	6
46	Nontidal sea level changes in Hiroshima Bay, Japan. <i>Acta Oceanologica Sinica</i> , 2014, 33, 47-55.	0.4	6
47	Observation of Internal Tides in the Qiongzhou Strait by Coastal Acoustic Tomography. <i>Journal of Ocean University of China</i> , 2021, 20, 1037-1045.	0.6	6
48	Estimation and Projection of Non-Linear Relative Sea-Level Rise in the Seto Inland Sea, Japan. <i>Atmosphere - Ocean</i> , 2015, 53, 398-411.	0.6	5
49	Long-term measurement of temperature variabilities off Mindanao Island by the ocean acoustic tomography. <i>Journal of Oceanography</i> , 1995, 51, 327-339.	0.7	4
50	Coastal Acoustic Tomography of the Neko-Seto Channel with a Focus on the Generation of Nonlinear Tidal Currents”Revisiting the First Experiment. <i>Remote Sensing</i> , 2022, 14, 1699.	1.8	4
51	Sea Surface Measurement by a Self-Contained Upward-Looking ADCP. <i>Journal of the Meteorological Society of Japan</i> , 1995, 73, 639-643.	0.7	3
52	A numerical approach to acoustic imaging of small-scale oceanic features. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 1379-1398.	1.6	2
53	The first Chinese coastal acoustic tomography experiment. , 2010, , .		2
54	Regional Projection of Relative Sea Level Rise in the Seto Inland Sea, Japan. <i>Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering)</i> , 2014, 70, I_1276-I_1280.	0.0	2

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55	Reciprocal sound transmission measurement of the 5-day temperature variation in the Kurushima Strait. <i>Acoustical Science and Technology</i> , 2012, 33, 59-63.	0.3	2
56	Correction to "Assimilation of coastal acoustic tomography data into a barotropic ocean model". <i>Geophysical Research Letters</i> , 2001, 28, 343-343.	1.5	1
57	A Laboratory Experiment of Beach Cusps. , 1985, , 1311.		0