Tadashi Tokai

List of Publications by Year
in descending order

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134	2,600	279487	223531
papers	citations	23 h-index	46 g-index

136	136	136	1987
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Future prospect in technologies and studies on fishing gears and practices for sustainable development of fisheries. Nippon Suisan Gakkaishi, 2022, 88, 216-224.	0.0	0
2	Microplastics on the sea surface of the semi-closed Tokyo Bay. Marine Pollution Bulletin, 2021, 162, 111887.	2.3	35
3	A newly developed soft-type turtle releasing device (Soft-TRD) for setnet fisheries. Aquaculture and Fisheries, 2021, 6, 359-366.	1.2	2
4	Mesh selectivity of neuston nets for microplastics. Marine Pollution Bulletin, 2021, 165, 112111.	2.3	41
5	A multilevel dataset of microplastic abundance in the worldâ€™s upper ocean and the Laurentian Great Lakes. Microplastics and Nanoplastics, 2021, 1, .	4.1	80
6	Differences in the behavioral characteristics between green and loggerhead turtles in a setnet bycatch simulation. Fisheries Research, 2021, 242, 106036.	0.9	2
7	PCBs and PBDEs in microplastic particles and zooplankton in open water in the Pacific Ocean and around the coast of Japan. Marine Pollution Bulletin, 2020, 151, 110806.	2.3	84
8	The current state of marine debris on the seafloor in offshore area around Japan. Marine Pollution Bulletin, 2020, 161, 111670.	2.3	14
9	Performance of new hyper-lift trawl door for both mid-water and bottom trawling. Ocean Engineering, 2020, 199, 106989.	1.9	10
10	Behavioural characteristics of loggerhead turtles (Caretta caretta) in a submerged bag net of a setnet observed in a bycatch simulation and the development of a turtle releasing device. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 2107-2115.	0.9	1
11	An interlaboratory comparison exercise for the determination of microplastics in standard sample bottles. Marine Pollution Bulletin, 2019, 146, 831-837.	2.3	79
12	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. Nature Communications, 2019, 10, 417.	5.8	288
13	Codend selectivity in the East China Sea of a trawl net with the legal minimum mesh size. Fisheries Science, 2019, 85, 19-32.	0.7	8
14	Deformation and drag force of model square fish cages in a uniform flow. Ocean Engineering, 2019, 171, 619-624.	1.9	21
15	Abundance of non-conservative microplastics in the upper ocean from 1957 to 2066. Nature Communications, 2019, 10, .	5.8	1
16	Closing force of the flap door in a turtle releasing device (TRD) for set nets with submerged bag nets. Nippon Suisan Gakkaishi, 2019, 85, 297-304.	0.0	2
17	Changes in drag and drag coefficient on small Sargassum horneri (Turner) C. Agardh individuals. Aquatic Botany, 2018, 144, 61-64.	0.8	9
18	Selectivity of research driftnet for blue shark <i>Prionace glauca</i> in the Northwest Pacific. Nippon Suisan Gakkaishi, 2018, 84, 23-31.	0.0	2

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19	Fate of microplastics and mesoplastics carried by surface currents and wind waves: A numerical model approach in the Sea of Japan. Marine Pollution Bulletin, 2017, 121, 85-96.	2.3	138
20	Microplastics in the Southern Ocean. Marine Pollution Bulletin, 2017, 114, 623-626.	2.3	287
21	CATCHABILITY DIFFERENCE OF GILL NET AND COLLAPSIBLE BAITED POT FOR JAPANESE ROCK CRAB. Indonesian Fisheries Research Journal, 2017, 12, 107.	0.2	1
22	Hydrodynamic characteristics of plane netting used for aquaculture net cages in uniform current. Nippon Suisan Gakkaishi, 2016, 82, 282-289.	0.0	8
23	Appropriate mesh size combination of research drift net series for chub mackerel resources off Hokkaido, Pacific. Nippon Suisan Gakkaishi, 2016, 82, 290-297.	0.0	5
24	Propulsive force generated by flipper beat of sea turtles. Nippon Suisan Gakkaishi, 2016, 82, 550-558.	0.0	1
25	Distribution of small plastic fragments floating in the western Pacific Ocean from 2000 to 2001. Fisheries Science, 2016, 82, 969-974.	0.7	14
26	Growth variability of Pacific saury Cololabis saira larvae under contrasting environments across the Kuroshio axis: survival potential of minority versus majority. Fisheries Oceanography, 2016, 25, 390-406.	0.9	9
27	Mesh selectivity of experimental drift net for Japanese sardine. Nippon Suisan Gakkaishi, 2015, 81, 290-292.	0.0	5
28	Variation in snow crab entry ratio among sections of footrope and its effect on trawl net catching efficiency. Fisheries Science, 2015, 81, 1013-1024.	0.7	0
29	East Asian seas: A hot spot of pelagic microplastics. Marine Pollution Bulletin, 2015, 101, 618-623.	2.3	335
30	Hydrodynamic characteristics of a hyper-lift otter board with wing-end plates. Fisheries Science, 2015, 81, 433-442.	0.7	27
31	Density estimation of the giant jellyfish Nemopilema nomurai around Japan using an alternative modified detection function for left truncation in a line transect survey. Fisheries Science, 2014, 80, 261-271.	0.7	4
32	Behavior of sea turtles to a turtle releasing device (TRD) for set nets of the mid-water and sea-bottom bagnet type. Nippon Suisan Gakkaishi, 2014, 80, 900-907.	0.0	8
33	Modeling of available size selectivity of the SURF-BRD for shrimp beam trawl. Fisheries Science, 2013, 79, 879-894.	0.7	3
34	II-2. Comment: Role of JSFS as a Public Interest Corporation and its activities on public relations and cooperation. Nippon Suisan Gakkaishi, 2013, 79, 449-449.	0.0	0
35	Natural hybrids of Branchiostegus japonicus and B. auratus landed at Nagasaki and Oita fish market. Nippon Suisan Gakkaishi, 2013, 79, 804-812.	0.0	0
36	Hydrodynamic characteristics of plane minnow netting made of high-strength polyethylene (Dyneema). Nippon Suisan Gakkaishi, 2012, 78, 180-188.	0.0	18

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37	Mesh selectivity of Danish seine for Japanese sandfish Arctoscopus japonicus. Nippon Suisan Gakkaishi, 2012, 78, 27-36.	0.0	4
38	Selectivity of experimental drift net for chub mackerel Scomber japonicus. Nippon Suisan Gakkaishi, 2012, 78, 681-691.	0.0	7
39	New autonomous multiple codend opening/closing control system for a midwater frame trawl. Methods in Oceanography, 2012, 3-4, 14-24.	1.5	9
40	Re-examination of growth and maturation of red tilefish Branchiostegus japonicus in the East China Sea. Nippon Suisan Gakkaishi, 2011, 77, 188-198.	0.0	8
41	Codend selectivity for jack mackerel and whitefin jack and unequal split parameter estimates observed in trouser trawl experiments. Fisheries Science, 2011, 77, 169-181.	0.7	5
42	Comparison of hook selectivity curve between two different-shaped hooks for red tilefish Branchiostegus japonicus. Nippon Suisan Gakkaishi, 2010, 76, 46-53.	0.0	3
43	Effect of square mesh window on codend selectivity for blackthroat seaperch and white-spotted conger in offshore trawl net. Nippon Suisan Gakkaishi, 2010, 76, 824-840.	0.0	6
44	Our sincere wish. Nippon Suisan Gakkaishi, 2010, 76, 85.	0.0	0
45	Responding to reviewers' comments. Nippon Suisan Gakkaishi, 2010, 76, 80-82.	0.0	0
46	Longline hook selectivity for red tilefish Branchiostegus japonicus in the East China Sea. Fisheries Science, 2009, 75, 863-874.	0.7	24
47	Improvement of species- and size-separation in SURF-BRD with high encounter probability of marine organisms. Nippon Suisan Gakkaishi, 2009, 75, 219-229.	0.0	3
48	Effect of water flow on 3-dimensional underwater shape of pelagic longline with midwater float. Nippon Suisan Gakkaishi, 2009, 75, 179-190.	0.0	2
49	Model test of trawl gear with a net-mouth opening device based on modified Tauti's law. Nippon Suisan Gakkaishi, 2009, 75, 793-801.	0.0	7
50	ã•ã•ã‚ã«. Nippon Suisan Gakkaishi, 2009, 75, 878.	0.0	0
51	Method for estimating buoyancy of midwater float required to standardize hook depth in pelagic longline. Fisheries Science, 2008, 74, 479-487.	0.7	7
52	Present status and challenge on the development of net sampling gears for the fisheries oceanography and fisheries resource analysis. Nippon Suisan Gakkaishi, 2007, 73, 922.	0.0	0
53	The problems of intellectual property in the field of fisheries. Nippon Suisan Gakkaishi, 2007, 73, 954.	0.0	0
54	Mesh selectivity of net pot for white-spotted conger-eel Conger myriaster in Ise Bay. Nippon Suisan Gakkaishi, 2007, 73, 703-710.	0.0	1

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55	II-3. Evaluation of size selection in sampling gear â€" mesh selectivity and size-dependent net avoidance. Nippon Suisan Gakkaishi, 2007, 73, 933-934.	0.0	1
56	Size selectivity of escape holes in conger tube traps for inshore hagfish Eptatretus burgeri and white-spotted conger Conger myriaster in Tokyo Bay. Fisheries Science, 2007, 73, 477-488.	0.7	29
57	Development of The Tuna Fish Catch Information Management System using RFID and a Communications Satellite. , 2006, , .		2
58	Mesh size selectivity of boat seine codend for anchovy larvae and juveniles. Nippon Suisan Gakkaishi, 2006, 72, 414-423.	0.0	1
59	Distribution of white-spotted conger eel Conger myriaster and hagfish Eptatretus burgeri in the shallow region of Tokyo Bay. Nippon Suisan Gakkaishi, 2006, 72, 894-904.	0.0	3
60	Effects of specifications of branch line on sinking characteristics of hooks in Japanese tuna longline. Nippon Suisan Gakkaishi, 2005, 71, 33-38.	0.0	9
61	Mesh selectivity of dredge bagnet for a clam, equilateral Venus Gomphina melanaegis. Nippon Suisan Gakkaishi, 2005, 71, 54-59.	0.0	7
62	Mesh selectivity of minnow netting used at codend of boat seine fishing gear for anchovy larvae. Nippon Suisan Gakkaishi, 2005, 71, 24-32.	0.0	4
63	Modelling the contact probability and size-selectivity of toothed dredges. Fisheries Science, 2005, 71, 703-712.	0.7	8
64	Effect of tooth spacing on the contact selection and available selection of a dredge for the equilateral Venus clam Gomphina melanaegis. Fisheries Science, 2005, 71, 713-720.	0.7	18
65	Development of automatic system for monitoring fishing effort in conger-eel tube fishery using radio frequency identification and global positioning system. Fisheries Science, 2005, 71, 992-1002.	0.7	10
66	Midwater float system for standardizing hook depths on tuna longlines to reduce sea turtle by-catch. Fisheries Science, 2005, 71, 1182-1184.	0.7	23
67	Size selectivity of a trammel net for oval squid Sepioteuthis lessoniana. Fisheries Science, 2004, 70, 945-951.	0.7	10
68	Statics of a gillnet placed in a uniform current. Ocean Engineering, 2004, 31, 1725-1740.	1.9	13
69	Early life history characteristics and genetic homogeneity of Conger myriaster leptocephali along the east coast of central Japan. Fisheries Research, 2004, 70, 61-69.	0.9	27
70	Mesh selectivity of boat seine fisheries for anchovy larvae on pocket-nets experiment. Nippon Suisan Gakkaishi, 2003, 69, 611-619.	0.0	7
71	Distribution and composition of litter on seabed of Tokyo Bay and its age analysis. Nippon Suisan Gakkaishi, 2003, 69, 770-781,853.	0.0	23
72	A method for analyzing the static response of submerged rope systems based on a finite element method. Fisheries Science, 2002, 68, 65-70.	0.7	23

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73	A static analysis of the tension and configuration of submerged plane nets. Fisheries Science, 2002, 68, 815-823.	0.7	40
74	Statistical estimation in cover-escape model for covered-codend experiments. Fisheries Science, 2002, 68, 1233-1241.	0.7	3
75	Implementation process of enlarged escape-holes to conger tube fishery in Tokyo Bay. Fisheries Science, 2002, 68, 467-468.	0.7	4
76	Computer simulation of shape and tension on fishing net and rope system. Fisheries Science, 2002, 68, 1853-1856.	0.7	1
77	Development of a new midwater sampling trawl. Fisheries Science, 2002, 68, 1899-1900.	0.7	4
78	Capture condition of thin-twine gillnet. Fisheries Science, 2002, 68, 469-470.	0.7	0
79	Title is missing!. Nippon Suisan Gakkaishi, 2001, 67, 129-130.	0.0	0
80	A Computer Simulation for the Net Position Control of Midwater Trawl System.. Nippon Suisan Gakkaishi, 2001, 67, 226-230.	0.0	8
81	Model Experiments of Improved SURF-BRD Trawl.. Nippon Suisan Gakkaishi, 2001, 67, 710-716.	0.0	3
82	Survival of Japanese whiting Sillago japonica and by-catch species captured by a sweeping trammel net. Fisheries Science, 2001, 67, 21-29.	0.7	13
83	Effects of drag coefficient of netting for dynamic similarity on model testing of trawl nets. Fisheries Science, 2001, 67, 84-89.	0.7	38
84	Scale model of a new midwater trawl system for sampling pelagic larval and juvenile fish. Fisheries Science, 2001, 67, 254-259.	0.7	25
85	Estimation of gillnet selectivity curve by maximum likelihood method. Fisheries Science, 2001, 67, 644-654.	0.7	64
86	Effect of thin twine on gill net size-selectivity analyzed with the direct estimation method. Fisheries Science, 2001, 67, 851-856.	0.7	26
87	Genetic variation in the mitochondrial and nuclear DNA of the Japanese conger Conger myriaster. Fisheries Science, 2001, 67, 1081-1087.	0.7	9
88	Modelling the size selectivities of a trawl codend and an associated square mesh panel. ICES Journal of Marine Science, 2001, 58, 657-671.	1.2	45
89	Size Selectivity of Net-pot for White-spotted Conger Eel Estimated from Paired-gear Tests with Change in Sampling Effort.. Nippon Suisan Gakkaishi, 2000, 66, 228-235.	0.0	9
90	Hydrodynamic Characteristics of Cambered V-type Depressor for Sampling Midwater Trawl.. Nippon Suisan Gakkaishi, 2000, 66, 846-851.	0.0	3

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91	Effect of Aspect Ratio on Lift and Drag Coefficients of Cambered Plates. Nippon Suisan Gakkaishi, 2000, 66, 97-103.	0.0	16
92	Mesh selectivity of a sweeping trammel net for Japanese whiting Sillago japonica. Fisheries Science, 2000, 66, 97-103.	0.7	11
93	Estimating codend selectivity and fish escapement from a covernet of an insufficiently small mesh size. Fisheries Science, 2000, 66, 327-333.	0.7	17
94	Size selectivity of trap for male red queen crab Chionoecetes japonicus with the extended SELECT model. Fisheries Science, 2000, 66, 494-501.	0.7	39
95	Gene rearrangement around the control region in the mitochondrial genome of conger eel Conger myriaster. Fisheries Science, 2000, 66, 1186-1188.	0.7	6
96	Relationship between Year-class Abundance of the Oval Squid Sepioteuthis lessoniana and Environmental Factors off Tokushima Prefecture, Japan. Fisheries Science, 1999, 65, 424-431.	0.7	11
97	Species- and Size-selectivity of SURF-BRD Trawl.. Nippon Suisan Gakkaishi, 1999, 65, 278-287.	0.0	6
98	Size-selectivity of Hole on Tubular-pot for White Spotted Conger Eel Conger myriaster in the Adjacent Sea of Korea.. Nippon Suisan Gakkaishi, 1999, 65, 260-267.	0.0	5
99	Effect of Cross-sectional Shape of Fish Body on Mesh Selectivity of Trawl Codend.. Nippon Suisan Gakkaishi, 1999, 65, 441-447.	0.0	25
100	Effects of Aspect and Camber Ratios on Hydrodynamic Characteristics of Biplane-type Otter Board.. Nippon Suisan Gakkaishi, 1999, 65, 860-865.	0.0	19
101	Estimation of Size Selectivity for Oval Squid Sepioteuthis lessoniana in the Squid Jigging Fishery of Tokushima Prefecture. Fisheries Science, 1999, 65, 448-454.	0.7	9
102	Comparison of Selectivity Curve between Square-mesh and Diamond-mesh Codends by AIC.. Nippon Suisan Gakkaishi, 1998, 64, 447-452.	0.0	13
103	Method of Determining Mesh-Selectivity Curve of Trawl and its Application to Fisheries Management.. Nippon Suisan Gakkaishi, 1998, 64, 597-600.	0.0	10
104	Mesh Selectivity of Net Pot for White-spotted Conger Eel Estimated from a Cover-net Fishing Experiment.. Nippon Suisan Gakkaishi, 1998, 64, 815-821.	0.0	6
105	A Model of Fish Behavior Towards a Water Bottom with a Gradient.. Nippon Suisan Gakkaishi, 1997, 63, 35-42.	0.0	0
106	Species-separation Efficiency of Small Beam Trawl for Mantis Shrimp in Tokyo Bay.. Nippon Suisan Gakkaishi, 1997, 63, 715-721.	0.0	4
107	Selectivity and gear efficiency of trammel nets for kuruma prawn (Penaeus japonicus). Fisheries Research, 1996, 26, 113-124.	0.9	42
108	A method of determining selectivity curve of separator grid. Fisheries Research, 1996, 27, 51-60.	0.9	37

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109	Effects of Wing-tip Vortices on Lift of the Flat Plates with Low Aspect Ratio.. Nippon Suisan Gakkaishi, 1996, 62, 248-253.	0.0	7
110	Propulsion Mechanism in Fish Behavior Model for Tilapia.. Nippon Suisan Gakkaishi, 1995, 61, 375-379.	0.0	2
111	Simulation Model of Capturing Process on Gillnets.. Nippon Suisan Gakkaishi, 1995, 61, 868-873.	0.0	6
112	Short-Term Forecasting of Landings of Ocellate Puffer Takifugu rubripes Migrating around a Spawning Area in the Inland Sea of Japan. Fisheries Science, 1995, 61, 428-433.	0.7	2
113	Surface Flow Visualization of Flat Plates by Tuft Method.. Nippon Suisan Gakkaishi, 1994, 60, 193-199.	0.0	8
114	Mash Selectivity of Unmarketable Trash Fish by a Small Trawl Fishery in the Seto Inland Sea.. Nippon Suisan Gakkaishi, 1994, 60, 347-352.	0.0	22
115	Flow Visualization around Cambered Plates Using Hydrogen Bubbles.. Nippon Suisan Gakkaishi, 1994, 60, 485-491.	0.0	12
116	Mesh Selectivity of Small Trawl for White-spotted Conger in Osaka Bay.. Nippon Suisan Gakkaishi, 1994, 60, 735-739.	0.0	8
117	Modeling of Fish Behavior for Netting Wall and Reverse Structure.. Nippon Suisan Gakkaishi, 1994, 60, 185-191.	0.0	4
118	Effect of Diurnal Activity of Rainbow Trout and Light Intensity on Gillnet Catching in Water Tank Experiments.. Nippon Suisan Gakkaishi, 1994, 60, 577-583.	0.0	6
119	Hydrodynamic Characteristics of Cambered Plates in Free Stream and near the Bottom.. Nippon Suisan Gakkaishi, 1993, 59, 627-632.	0.0	12
120	Year-Class Strength of the Ocellate Puffer around a Spawning Area in the Inland Sea of Japan.. Nippon Suisan Gakkaishi, 1993, 59, 245-252.	0.0	9
121	SETTLEMENT OF LARVAE OF SCYLLARUS KITANOVIRIOSUS HARADA(PALINURA, DECAPODA) IN THE SETO INLAND SEA. Crustacean Research, 1992, 21, 97-105.	0.2	0
122	Mesh Selectivity of Square Mesh Codends of Bottom Trawl Nets in the Waters of the Taiwan Straits.. Nippon Suisan Gakkaishi, 1992, 58, 627-635.	0.0	1
123	Growth and Maturation of Whiskered Velvet Shrimp Metapenaeopsis barbata(De Haan)in Aki-nada area, the Seto Inland Sea.. Nippon Suisan Gakkaishi, 1992, 58, 1021-1027.	0.0	7
124	Fisheries management of a small shrimp trawl in the Seto Inland Seaâ€"Discarded fishes and mesh size regulation. Marine Pollution Bulletin, 1991, 23, 305-310.	2.3	9
125	Diel Feeding Periodicity of Two Species of Young Flounders, Pleuronichthys cornutus and Pleuronectes yokohamae in Suo-nada, Western Seto Inland Sea. Benthos Research, 1991, 1991, 1-7.	0.2	1
126	Mesh selectivity curves of a shrimp beam trawl for southern rough shrimp Trachypenaeus curvirostris and mantis shrimp Oratosquilla oratoria.. Nippon Suisan Gakkaishi, 1990, 56, 1231-1237.	0.0	20

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127	Methods of determining the mesh selectivity curve of trawlnet.. Nippon Suisan Gakkaishi, 1989, 55, 643-649.	0.0	9
128	Numerical prediction of a relation among growth, reproduction and mortality in iteroparous fish populations. Researches on Population Ecology, 1988, 30, 267-278.	0.9	4
129	Sexual maturity and spawning season of Japanese flounder in Suo-Nada.. Nippon Suisan Gakkaishi, 1987, 53, 1181-1190.	0.0	3
130	Sexual maturity and spawning season of finespotted flounder in Suo-Nada.. Nippon Suisan Gakkaishi, 1987, 53, 1191-1198.	0.0	1
131	A preliminary study on quantitative relations among growth, reproduction and mortality in fishes. Researches on Population Ecology, 1987, 29, 85-95.	0.9	12
132	Age and growth of Japanese flounder in Suo-Nada of Seto Inland Sea.. Nippon Suisan Gakkaishi, 1986, 52, 423-433.	0.0	7
133	Age and growth of stone flounder in Suo-Nada of Seto Inland Sea.. Nippon Suisan Gakkaishi, 1986, 52, 435-445.	0.0	6
134	Age and growth of finespotted flounder in Suo-nada area.. Nippon Suisan Gakkaishi, 1985, 51, 1963-1970.	0.0	5