

# Yuji Takao

## List of Publications by Year in descending order

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67  
papers

2,152  
citations

257450

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233421

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69  
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69  
docs citations

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times ranked

2657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of triclosan on the early life stages and reproduction of medaka <i>Oryzias latipes</i> and induction of hepatic vitellogenin. <i>Aquatic Toxicology</i> , 2004, 67, 167-179.	4.0	310
2	Acute toxicity of pharmaceutical and personal care products on freshwater crustacean ( <i>Thamnocephalus platyurus</i> ) and fish ( <i>Oryzias latipes</i> ). <i>Journal of Toxicological Sciences</i> , 2009, 34, 227-232.	1.5	183
3	Occurrence of Pharmaceutical and Personal Care Products (PPCPs) in Surface Water from Mankyung River, South Korea. <i>Journal of Health Science</i> , 2009, 55, 249-258.	0.9	166
4	Variations in I <sub>V</sub> characteristics of oxide semiconductors induced by oxidizing gases. <i>Sensors and Actuators B: Chemical</i> , 1996, 35, 62-67.	7.8	117
5	High Ammonia Sensitive Semiconductor Gas Sensors with Double-Layer Structure and Interface Electrodes. <i>Journal of the Electrochemical Society</i> , 1994, 141, 1028-1034.	2.9	113
6	Trimethylamine sensor based on semiconductive metal oxides for detection of fish freshness. <i>Sensors and Actuators B: Chemical</i> , 1990, 1, 108-112.	7.8	80
7	Hydrogen-sensing mechanism of zinc oxide varistor gas sensors. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 843-850.	7.8	77
8	Reproductive effects and bioconcentration of 4-nonylphenol in medaka fish ( <i>Oryzias latipes</i> ). <i>Chemosphere</i> , 2006, 65, 1019-1026.	8.2	65
9	Detection of Freshness of Fish by a Semiconductive $\text{TiO}_2$ Sensor. <i>Journal of the Electrochemical Society</i> , 1988, 135, 2539-2540.	2.9	62
10	Semiconductor dimethylamine gas sensors with high sensitivity and selectivity. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 375-379.	7.8	55
11	Trimethylamine-sensing mechanism of $\text{TiO}_2$ -based sensors 1. Effects of metal additives on trimethylamine-sensing properties of $\text{TiO}_2$ sensors. <i>Sensors and Actuators B: Chemical</i> , 1993, 10, 229-234.	7.8	53
12	Release of Bisphenol A from Food Can Lining upon Heating.. <i>Journal of Health Science</i> , 2002, 48, 331-334.	0.9	52
13	Zinc Oxide Varistor Gas Sensors: I, Effect of $\text{Bi}_2\text{O}_3$ Content on the $\text{H}_2$ -Sensing Properties. <i>Journal of the American Ceramic Society</i> , 1995, 78, 2301-2306.	3.8	51
14	Zinc Oxide Varistor Gas Sensors: II, Effect of Chromium(III) Oxide and Yttrium Oxide Additives on the Hydrogen-Sensing Properties. <i>Journal of the American Ceramic Society</i> , 1998, 81, 1633-1643.	3.8	48
15	Desorption behavior of ammonia from $\text{TiO}_2$ -based specimens and ammonia sensing mechanism of double-layer sensors with $\text{TiO}_2$ -based catalyst layers. <i>Journal of Molecular Catalysis A</i> , 2000, 155, 183-191.	4.8	47
16	Styrene dimers and trimers affect reproduction of daphnid ( <i>Ceriodaphnia dubia</i> ). <i>Chemosphere</i> , 2002, 48, 597-601.	8.2	43
17	$\text{H}_2$ -Sensing Properties and Mechanism of $\text{Nb}_2\text{O}_5$ - $\text{Bi}_2\text{O}_3$ Varistor - type Gas Sensors. <i>Electrochemistry</i> , 2000, 68, 24-31.	1.4	40
18	On the use of coprostanol to identify source of nitrate pollution in groundwater. <i>Journal of Hydrology</i> , 2017, 550, 663-668.	5.4	39

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19	Survey of contamination of estrogenic chemicals in Japanese and Korean coastal waters using the wild grey mullet ( <i>Mugil cephalus</i> ). <i>Science of the Total Environment</i> , 2010, 408, 660-665.	8.0	36
20	Semiconductive Trimethylamine Gas Sensor for Detecting Fish Freshness. <i>Journal of Food Science</i> , 1991, 56, 1275-1278.	3.1	34
21	Enhancement of Trimethylamine Sensitivity of Semiconductor Gas Sensors by Ruthenium. <i>Chemistry Letters</i> , 1988, 17, 389-392.	1.3	32
22	Effect of Carboxylic Acid Adsorption on the Hydrolysis and Sintered Properties of Aluminum Nitride Powder. <i>Journal of the American Ceramic Society</i> , 1994, 77, 1793-1798.	3.8	28
23	Modification of H <sub>2</sub> -sensitive breakdown voltages of SnO <sub>2</sub> varistors with noble metals. <i>Sensors and Actuators B: Chemical</i> , 1998, 52, 38-44.	7.8	28
24	Fast Screening Method for Bisphenol A in Environmental Water and in Food by Solid-Phase Microextraction (SPME) (PROCEEDINGS OF 24TH SYMPOSIUM ON TOXICOLOGY AND ENVIRONMENTAL) Tj ETQq0000 rgBT / Overlock 1	0.9	23
25	Hydrogen-sensitive breakdown voltage in the I-V characteristics of tin dioxide-based semiconductors. <i>Sensors and Actuators B: Chemical</i> , 1996, 33, 89-95.	7.8	25
26	Trimethylamine-sensing mechanism of TiO <sub>2</sub> -based sensors 2. Effects of catalytic activity of TiO <sub>2</sub> -based specimens on their trimethylamine-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 1993, 10, 235-239.	7.8	23
27	In Vivo Testing System for Determining the Estrogenic Activity of Endocrine-Disrupting Chemicals (EDCs) in Goldfish ( <i>Carassius auratus</i> ).. <i>Journal of Health Science</i> , 2001, 47, 213-218.	0.9	23
28	Effect of Bisphenol A on the Feeding Behavior of <i>Caenorhabditis elegans</i> .. <i>Journal of Health Science</i> , 2002, 48, 93-95.	0.9	23
29	Acetaldehyde Gas Sensing Properties and Surface Chemistry of SnO <sub>2</sub> -Based Sensor Materials. <i>Journal of the Electrochemical Society</i> , 1999, 146, 1222-1226.	2.9	19
30	Use of sterols to monitor surface water quality change and nitrate pollution source. <i>Ecological Indicators</i> , 2019, 107, 105534.	6.3	15
31	A Convenient Sublethal Assay of Alkylphenol and Organotin Compounds Using the Nematode <i>Caenorhabditis elegans</i> .. <i>Journal of Health Science</i> , 2002, 48, 555-559.	0.9	14
32	Seasonal and Diurnal Fluctuations in the Concentrations of Pharmaceuticals and Personal Care Products (PPCPs) in Residential Sewage Water. <i>Journal of Health Science</i> , 2008, 54, 240-243.	0.9	14
33	Field survey of environmental estrogen pollution in the coastal area of Tokyo Bay and Nagasaki City using the Japanese common goby <i>Acanthogobius flavimanus</i> . <i>Environmental Pollution</i> , 2020, 258, 113673.	7.5	14
34	An attempt by solid-phase microextraction with on-column silylation for a rapid and highly sensitive determination of bisphenol A.. <i>Bunseki Kagaku</i> , 1999, 48, 589-593.	0.2	12
35	Comparison between surface-reading and cross-section methods using sagittal otolith for age determination of the marbled sole <i>Pseudopleuronectes yokohamae</i> . <i>Fisheries Science</i> , 2009, 75, 379-385.	1.6	12
36	Preparation and H <sub>2</sub> Sensing Properties of ZnO Varistor Gas Sensors. <i>Electrochemistry</i> , 1993, 61, 1021-1022.	0.3	12

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37	Trimethylamine-sensing mechanism of TiO <sub>2</sub> -based sensors 3. Temperature programmed desorption behaviour of trimethylamine and variation of sensitivity with sensor thickness. <i>Sensors and Actuators B: Chemical</i> , 1993, 14, 623-624.	7.8	11
38	Determination of a Screening System of Endocrine Disruptors by the Induction of Vitellogenin mRNA in <i>C. elegans</i> Larvae (PROCEEDINGS OF 24TH SYMPOSIUM ON TOXICOLOGY AND ENVIRONMENTAL HEALTH). <i>Journal of Health Science</i> , 1999, 45, P37-37.	0.9	11
39	Changes in growth of marbled sole <i>Pseudopleuronectes yokohamae</i> between high and low stock-size periods in Tokyo Bay, Japan. <i>Fisheries Science</i> , 2009, 75, 929-935.	1.6	11
40	Improvement in Trimethylamine Sensitivity of In <sub>2</sub> O <sub>3</sub> and Cr <sub>2</sub> O <sub>3</sub> Sensors by Valency Control. <i>Electrochemistry</i> , 1990, 58, 1162-1168.	0.3	11
41	Bisphenol A Incorporated into Eggs from Parent Fish Persists for Several Days. <i>Journal of Health Science</i> , 2008, 54, 235-239.	0.9	9
42	Decomposition of Trichlorotrifluoroethane by Microwave-Induced Ar Plasma Generated from SiC Ceramics under Atmospheric Pressure. <i>Journal of the Electrochemical Society</i> , 1999, 146, 3052-3057.	2.9	7
43	A Rapid Respiratory Toxicity Test Using <i>Caenorhabditis elegans</i> with an Oxygen Electrode System.. <i>Journal of Health Science</i> , 2002, 48, 269-272.	0.9	7
44	Estrogenic Potency of a Bisphenol A Metabolite on Vitellogenin Synthesis in Medaka, <i>Oryzias latipes</i> . <i>Journal of Health Science</i> , 2005, 51, 93-95.	0.9	7
45	Ecotoxicological Effect of Polycyclic Musks on <i>Caenorhabditis elegans</i> . <i>Journal of Health Science</i> , 2006, 52, 276-282.	0.9	7
46	Occurrence and seasonal variation of equine estrogens, equilin and equilenin, in the river water of Japan: Implication with endocrine-disrupting potentials to Japanese medaka ( <i>Oryzias latipes</i> ). <i>Environmental Pollution</i> , 2018, 239, 281-288.	7.5	7
47	Bisphenol A and nonylphenol bioconcentration in spotted halibut <i>Varaspar variegates</i> . <i>Fisheries Science</i> , 2004, 70, 192-194.	1.6	6
48	Contamination of Pharmaceutical and Personal Care Products in Sewage Treatment Plants and Surface Waters in South Korea and their Removal during Activated Sludge Treatment. <i>Journal of Environmental Chemistry</i> , 2010, 20, 127-135.	0.2	6
49	Quantification of Imidazole Compounds in Ambient Aerosols at Suburban and Forest Sites in Western Japan. <i>Asian Journal of Atmospheric Environment</i> , 2019, 13, 259-265.	1.1	6
50	NO <sub>x</sub> Gas Sensing Properties and Mechanism of ZnO-Based Varistor-Type Gas Sensors. <i>IEEJ Transactions on Sensors and Micromachines</i> , 1999, 119, 103-107.	0.1	5
51	Improvement of Long-Term Stability of Thin Film Gas Sensors by Ion Beam-Assisted Deposition. <i>Journal of the Electrochemical Society</i> , 2000, 147, 4379.	2.9	5
52	Evaluation of genotoxicity potential of household effluents from onsite wastewater treatment systems using <i>in vitro</i> test. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2020, 83, 36-44.	2.3	5
53	Decomposition of Trichloroethylene by Microwave-Induced Plasma Generated from SiC Whiskers. <i>Journal of the Electrochemical Society</i> , 1998, 145, 229-235.	2.9	4
54	Photodecomposition and Bioconcentration of a Bisphenol A Metabolite in Medaka, <i>Oryzias latipes</i> . <i>Journal of Health Science</i> , 2004, 50, 576-580.	0.9	4

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55	High Sensitivity Analysis of Indirubin by Silylation Using GC/MS.. Journal of Health Science, 2003, 49, 88-90.	0.9	3
56	Monolayer Packing of Submicrometer Ceramic Spheres by Employing a Langmuir-Blodgett Film of Dicarboxylic Acid. Journal of the American Ceramic Society, 2001, 84, 301-306.	3.8	3
57	H <sub>2</sub> Sensing Properties of Metal Oxide Semiconductors as Varistor-Type Gas Sensors. IEEJ Transactions on Sensors and Micromachines, 1997, 117, 560-564.	0.1	3
58	Gas Sensing Properties of ZnO-based Varistor-type Gas Sensors. IEEJ Transactions on Sensors and Micromachines, 1998, 118, 130-135.	0.1	3
59	Decomposition of Toxic Halogenated Hydrocarbons by Microwave-Induced Ar Plasma Generated from SiC Ceramics under Atmospheric Pressure. Electrochemistry, 2001, 69, 508-515.	1.4	3
60	Material Balance of Phosphorus in a Semi-Closed Bay Calculated with Actuality Measurements and Data of an Observation Satellite over a Long Period.. Journal of Health Science, 2001, 47, 155-161.	0.9	2
61	First evaluation of genotoxicity of strong bases and zwitterions in treated household effluents. Journal of Hazardous Materials, 2021, 416, 126053.	12.4	2
62	Surface Modified Silicon Nitride Powder with Highly Dispersed Sintering Aid via Aqueous Processing.. Journal of the Ceramic Society of Japan, 2000, 108, 790-794.	1.3	1
63	Selective isolation of bacteria from soil with hydrophobic materials. World Journal of Microbiology and Biotechnology, 2011, 27, 1941-1945.	3.6	1
64	Fish Freshness Detection by Semiconductor Gas Sensors. , 1994, , 715-719.		1
65	Movement of Selenium Ions in the Treatment Process of Waste Water(PROCEEDINGS OF 24TH) Tj ETQq1 1 0.784314 rgBT /Qverlock	0.9	0
66	Changes in the cellular components of sugar beet under salt stress. Bunseki Kagaku, 2003, 52, 833-837.	0.2	0
67	Estimation of the Influx Load into Omura Bay and Evaluation of Sea Water Quality Changes Using Landsat5/TM and Statistical Data.. Journal of the Japan Society of Photogrammetry and Remote Sensing, 2001, 40, 17-29.	0.0	0