

Norimichi Takenaka

List of Publications by Year in descending order

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62
papers

1,308
citations

430874

18
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361022

35
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62
all docs

62
docs citations

62
times ranked

1384
citing authors

#	ARTICLE	IF	CITATIONS
1	Acceleration Mechanism of Chemical Reaction by Freezing: The Reaction of Nitrous Acid with Dissolved Oxygen. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13874-13884.	2.9	154
2	Acceleration of the rate of nitrite oxidation by freezing in aqueous solution. <i>Nature</i> , 1992, 358, 736-738.	27.8	141
3	Chemical Kinetics of Reactions in the Unfrozen Solution of Ice. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8780-8786.	2.5	91
4	Weekday/weekend difference of ozone and its precursors in urban areas of Japan, focusing on nitrogen oxides and hydrocarbons. <i>Atmospheric Environment</i> , 2008, 42, 4708-4723.	4.1	70
5	Sonochemical degradation of various monocyclic aromatic compounds: Relation between hydrophobicities of organic compounds and the decomposition rates. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 478-483.	8.2	68
6	Rise in the pH of an Unfrozen Solution in Ice Due to the Presence of NaCl and Promotion of Decomposition of Gallic Acids Owing to a Change in the pH. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10628-10632.	2.5	59
7	New technology for the production of biodiesel fuel. <i>Green Chemistry</i> , 2011, 13, 1124.	9.0	58
8	Production of biodiesel from Vietnamese <i>Jatropha curcas</i> oil by a co-solvent method. <i>Bioresource Technology</i> , 2014, 173, 309-316.	9.6	56
9	Release of Nitric Oxide and Iodine to the Atmosphere from the Freezing of Sea-Salt Aerosol Components. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1677-1682.	2.5	45
10	Gaseous nitrous acid (HONO) and nitrogen oxides (NO _x) emission from gasoline and diesel vehicles under real-world driving test cycles. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 412-420.	1.9	41
11	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1998, 29, 135-150.	3.2	33
12	Rapid reaction of sulfide with hydrogen peroxide and formation of different final products by freezing compared to those in solution. <i>International Journal of Chemical Kinetics</i> , 2003, 35, 198-205.	1.6	32
13	A new method for the measurement of trace amounts of HONO in the atmosphere using an air-dragged aqua-membrane-type denuder and fluorescence detection. <i>Analyst</i> , 2004, 129, 1130.	3.5	28
14	Chemiluminescence Method with Potassium Permanganate for the Determination of Organic Pollutants in Seawater. <i>Analytical Sciences</i> , 2001, 17, 975-978.	1.6	27
15	Measurement of Dissolved Oxygen Based on Enhanced Cerium(IV) Chemiluminescence. <i>Analytical Sciences</i> , 2001, 17, 161-166.	1.6	26
16	Difference in Amounts and Composition of Dew from Different Types of Dew Collectors. <i>Water, Air, and Soil Pollution</i> , 2003, 147, 51-60.	2.4	26
17	DETERMINATION OF ATMOSPHERIC NITRO-POLYCYCLIC AROMATIC HYDROCARBONS AND THEIR PRECURSORS AT A HEAVY TRAFFIC ROADSIDE AND AT A RESIDENTIAL AREA IN OSAKA, JAPAN. <i>Polycyclic Aromatic Compounds</i> , 2004, 24, 657-666.	2.6	26
18	Sonochemical Degradation of Alkylbenzene Sulfonates and Kinetics Analysis with a Langmuir Type Mechanism. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3735-3739.	3.1	26

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19	Biodiesel Production from Rubber Seed Oil by Transesterification Using a Co-solvent of Fatty Acid Methyl Esters. <i>Chemical Engineering and Technology</i> , 2018, 41, 1013-1018.	1.5	23
20	A Method for Ferulic Acid Production from Rice Bran Oil Soapstock Using a Homogenous System. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 796.	2.5	19
21	Oxidative Reaction of Thiosulfate with Hydrogen Peroxide by Freezing. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 1139-1144.	3.2	17
22	Temporal variation of atmospheric polycyclic aromatic hydrocarbon concentrations in PM ₁₀ from the Kathmandu Valley and their gas-particle concentrations in winter. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 67-82.	3.3	16
23	Trace Level Determination of Low-Molecular-Weight Alcohols in Aqueous Samples Based on Alkyl Nitrite Formation and Gas Chromatography. <i>Analytical Sciences</i> , 2001, 17, 639-643.	1.6	14
24	Characteristics of ammonia gas and fine particulate ammonium from two distinct urban areas: Osaka, Japan, and Ho Chi Minh City, Vietnam. <i>Environmental Science and Pollution Research</i> , 2017, 24, 8147-8163.	5.3	14
25	Spatial variation of isotopic compositions of snowpack nitrate related to post-depositional processes in eastern Dronning Maud Land, East Antarctica. <i>Geochemical Journal</i> , 2018, 52, e7-e14.	1.0	14
26	Acceleration and Reaction Mechanism of the <i>N</i> -Nitrosation Reaction of Dimethylamine with Nitrite in Ice. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5383-5388.	2.5	13
27	A 3-Step Chemiluminescence Method for Chemical Oxygen Demand Measurement. <i>Analytical Sciences</i> , 2017, 33, 931-938.	1.6	12
28	Acceleration of Ammonium Nitrite Denitrification by Freezing: Determination of Activation Energy from the Temperature of Maximum Reaction Rate. <i>Journal of Physical Chemistry A</i> , 2011, 115, 14446-14451.	2.5	11
29	Binary Solvent Extraction of Tocols, \hat{I}^3 -Oryzanol, and Ferulic Acid from Rice Bran Using Alkaline Treatment Combined with Ultrasonication. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4897-4904.	5.2	11
30	Quantitative reduction of particulate nitrate to nitric oxide by a molybdenum catalyst: Implications for NO _y measurements in the marine boundary layer. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	10
31	Screening of fatty acids, saccharides, and phytochemicals in <i>Jatropha curcas</i> seed kernel as their trimethylsilyl derivatives using gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1102-1103, 66-73.	2.3	10
32	Kinetic measurements of methyl and ethyl nitrate reactions with OH radicals. <i>International Journal of Chemical Kinetics</i> , 1997, 29, 933-941.	1.6	8
33	Effects of initial concentration of LASs on the rates of sonochemical degradation and cavitation efficiency. <i>Research on Chemical Intermediates</i> , 2009, 35, 841-849.	2.7	8
34	The Chemistry of Drying an Aqueous Solution of Salts. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12233-12242.	2.5	8
35	Distribution of polycyclic aromatic hydrocarbons concentrations simultaneously obtained in gas, rainwater and particles. <i>Air Quality, Atmosphere and Health</i> , 2014, 7, 273-281.	3.3	8
36	Association between indoor nitrous acid, outdoor nitrogen dioxide, and asthma attacks: results of a pilot study. <i>International Journal of Environmental Health Research</i> , 2019, 29, 632-642.	2.7	8

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37	Flow Analysis Method for Determining the Concentration of Methanol and Ethanol in the Gas Phase Using the Nitrite Formation Reaction. <i>Analytical Chemistry</i> , 2000, 72, 5847-5851.	6.5	7
38	A New Method for Atmospheric Nitrogen Dioxide Measurements Using the Combination of a Stripping Coil and Fluorescence Detection. <i>Analytical Sciences</i> , 2004, 20, 1019-1023.	1.6	7
39	Mechanism of the NO ₂ Conversion to NO ₂ ⁻ in an Alkaline Solution. <i>Analytical Sciences</i> , 2004, 20, 1759-1762.	1.6	6
40	NO ₂ and HONO concentrations measured with filter pack sampling and high HONO/NO ₂ ratio in Ho Chi Minh city, Vietnam. <i>Atmospheric Environment</i> , 2019, 214, 116865.	4.1	6
41	The Heterogeneous Reaction of NO ₂ with NH ₄ Cl: A Molecular Diffusion Tube Study. <i>Journal of Atmospheric Chemistry</i> , 2005, 50, 171-194.	3.2	5
42	A new continuous measurement method for gaseous ammonia by counter-current flow tube sampling and indophenol reaction. <i>Journal of Atmospheric Chemistry</i> , 2016, 73, 223-240.	3.2	5
43	A 3-step chemiluminescence method for chemical oxygen demand measurement with dichromate oxidizing reagent. <i>Analytical Methods</i> , 2017, 9, 5797-5805.	2.7	5
44	Effects of nitrous acid exposure on baseline pulmonary resistance and Muc5ac in rats. <i>Inhalation Toxicology</i> , 2018, 30, 149-158.	1.6	5
45	Determination of Polycyclic Aromatic Hydrocarbons and Nitrated Polycyclic Aromatic Compounds in Diesel-engine Exhaust Particles from Combustion Process of Biodiesel Fuel. <i>Bunseki Kagaku</i> , 2007, 56, 241-248.	0.2	4
46	Increase in ozone due to the use of biodiesel fuel rather than diesel fuel. <i>Environmental Pollution</i> , 2016, 216, 400-407.	7.5	4
47	Development and application of a simultaneous measurement method for gaseous ammonia and particulate ammonium in ambient air. <i>Aerosol Science and Technology</i> , 2016, 50, 959-970.	3.1	4
48	Ultrasound-Assisted, Base-Catalyzed, Homogeneous Reaction for Ferulic Acid Production from β -Oryzanol. <i>Journal of Chemistry</i> , 2018, 2018, 1-9.	1.9	4
49	Time Series Analysis of Climate and Air Pollution Factors Associated with Atmospheric Nitrogen Dioxide Concentration in Japan. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9507.	2.6	4
50	Detailed chemical kinetics for thermal decomposition of low molecular weight α -methyl esters generated by using biodiesel fuel. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1190-1197.	2.3	3
51	Fate of toxic phorbol esters in <i>Jatropha curcas</i> oil by a biodiesel fuel production process. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 2305-2314.	4.1	3
52	Influence of urban outflow on water-soluble ions in PM _{2.5} and $\text{PM}_{2.5}$ particles at a suburban Ho Chi Minh City site, Vietnam. <i>Atmospheric Research</i> , 2022, 272, 106144.	4.1	2
53	Methanol and formaldehyde determination by colorimetry using alcohol oxidase.. <i>Bunseki Kagaku</i> , 1996, 45, 677-682.	0.2	1
54	Lowest observed adverse effect level of pulmonary pathological alterations due to nitrous acid exposure in guinea pigs. <i>Environmental Health and Preventive Medicine</i> , 2020, 25, 56.	3.4	1

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55	Cyanide Formation in Freezer Stored Foods: Freezing of a Glycine and Nitrite Mixture. <i>Chemical Research in Toxicology</i> , 2020, 33, 1809-1814.	3.3	1
56	Contamination of polychlorinated dibenzo- <i>p</i> -dioxin and dibenzofurans in <i>Jatropha curcas</i> cultivation areas and their transfer from soil to seed in the Ba Vi, Quang Tri, and Trang Bang regions of Vietnam. <i>Environmental Monitoring and Contaminants Research</i> , 2021, 1, 66-74.	0.9	0
57	Evaluation of New GC/MS Method for the Determination of Aldehydes in Air by the O-(4-trifluoromethoxybenzyl)hydroxylamine Derivatization.. <i>Journal of Environmental Chemistry</i> , 2003, 13, 171-178.	0.2	0
58	Evaluation of GC/MS Method for the Determination of Indoor Air Pollutants by Adsorption/Liquid Extraction-Cooperative Test for the Analysis of Toxic Air Pollutants (Part 7)-. <i>Journal of Environmental Chemistry</i> , 2004, 14, 861-869.	0.2	0
59	Evaluation of GC/MS Method with Solid-Phase Adsorption/Liquid Desorption for the Determination of Pthalate in Indoor Air-Cooperative Test for the Analysis of Toxic Air Pollutants (Part 8)-. <i>Journal of Environmental Chemistry</i> , 2006, 16, 425-436.	0.2	0
60	Fundamental Study on the Decomposition of Chlorinated Hydrocarbons in Aqueous Solutions by Ultrasonic Irradiation.. <i>Journal of Environmental Chemistry</i> , 1999, 9, 629-636.	0.2	0
61	Decomposition of Chlorinated Hydrocarbons in Aqueous Solutions by Ultrasonic Irradiation.. <i>Journal of Environmental Chemistry</i> , 1999, 9, 647-652.	0.2	0
62	Simultaneous Sampling of NO, NO ₂ , HONO and HNO ₃ in the Atmosphere by a Filter-Pack Method. <i>Asian Journal of Atmospheric Environment</i> , 2022, 16, 32-39.	1.1	0