

Yoshikajii

List of Publications by Year in descending order

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117625

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all docs

125
docs citations

125
times ranked

3620
citing authors

#	ARTICLE	IF	CITATIONS
1	Export of atmospheric mercury from Asia. <i>Atmospheric Environment</i> , 2005, 39, 3029-3038.	4.1	336
2	Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitationâ€Emission Matrix Spectroscopy. <i>Environmental Science & Technology</i> , 2016, 50, 10351-10360.	10.0	139
3	Influence of regional-scale anthropogenic activity in northeast Asia on seasonal variations of surface ozone and carbon monoxide observed at Oki, Japan. <i>Journal of Geophysical Research</i> , 1999, 104, 3621-3631.	3.3	130
4	Transient absorption, lifetime and relaxation of C60 in the triplet state. <i>Chemical Physics Letters</i> , 1991, 181, 100-104.	2.6	116
5	Development of a measurement system of OH reactivity in the atmosphere by using a laser-induced pump and probe technique. <i>Review of Scientific Instruments</i> , 2004, 75, 2648-2655.	1.3	115
6	Transport of anthropogenic aerosols from Asia and subsequent chemical transformation. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	104
7	The atmospheric impact of boreal forest fires in far eastern Siberia on the seasonal variation of carbon monoxide: Observations at Rishiri, A northern remote island in Japan. <i>Geophysical Research Letters</i> , 2000, 27, 4073-4076.	4.0	91
8	Measurement of total OH reactivity by laser-induced pump and probe techniqueâ€”comprehensive observations in the urban atmosphere of Tokyo. <i>Atmospheric Environment</i> , 2006, 40, 7869-7881.	4.1	86
9	Measurements of OH Reactivity and Photochemical Ozone Production in the Urban Atmosphere. <i>Environmental Science & Technology</i> , 2005, 39, 8847-8852.	10.0	81
10	Atmospheric Outflow of Anthropogenic Semivolatile Organic Compounds from East Asia in Spring 2004. <i>Environmental Science & Technology</i> , 2007, 41, 3551-3558.	10.0	81
11	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2001, 38, 73-110.	3.2	78
12	Boreal forest fires in Siberia in 1998: Estimation of area burned and emissions of pollutants by advanced very high resolution radiometer satellite data. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 4-1.	3.3	77
13	Reactive and particulate mercury in the Asian marine boundary layer. <i>Atmospheric Environment</i> , 2008, 42, 7988-7996.	4.1	73
14	Chemistry of OH and HO2 radicals observed at Rishiri Island, Japan, in September 2003: Missing daytime sink of HO2 and positive nighttime correlations with monoterpenes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	66
15	Air quality diagnosis from comprehensive observations of total OH reactivity and reactive trace species in urban central Tokyo. <i>Atmospheric Environment</i> , 2012, 49, 51-59.	4.1	65
16	Tropical tropospheric ozone observed in Thailand. <i>Atmospheric Environment</i> , 2001, 35, 2657-2668.	4.1	63
17	Transport of atmospheric carbon monoxide, ozone, and hydrocarbons from Chinese coast to Okinawa island in the Western Pacific during winter. <i>Atmospheric Environment</i> , 2004, 38, 2975-2981.	4.1	62
18	Daytime HO2 concentrations at Oki Island, Japan, in summer 1998: Comparison between measurement and theory. <i>Journal of Geophysical Research</i> , 2000, 105, 24205-24222.	3.3	61

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19	The influence of Siberian forest fires on carbon monoxide concentrations at Happo, Japan. <i>Atmospheric Environment</i> , 2002, 36, 385-390.	4.1	59
20	Evidence for the seasonal variation of photochemical activity of tropospheric ozone: Continuous observation of ozone and CO at Happo, Japan. <i>Geophysical Research Letters</i> , 1998, 25, 3505-3508.	4.0	58
21	Single-particle chemical characterization and source apportionment of iron-containing atmospheric aerosols in Asian outflow. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	58
22	Photochemical reactions in the urban air: Recent understandings of radical chemistry. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2003, 4, 85-104.	11.6	54
23	Carbon monoxide, regional-scale transport, and biomass burning in tropical continental Southeast Asia: Observations in rural Thailand. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	53
24	Carboxylate Ion Availability at the Air-Water Interface. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9224-9234.	2.5	51
25	Identification of volatile organic compounds in suburban Bangkok, Thailand and their potential for ozone formation. <i>Atmospheric Research</i> , 2012, 104-105, 245-254.	4.1	47
26	Reactive Uptake of Gaseous Sesquiterpenes on Aqueous Surfaces. <i>Journal of Physical Chemistry A</i> , 2017, 121, 810-818.	2.5	47
27	Urban air measurements using PTR-MS in Tokyo area and comparison with GC-FID measurements. <i>International Journal of Mass Spectrometry</i> , 2004, 235, 103-110.	1.5	46
28	Laser induced fluorescence instrument for NO ₂ measurements: Observations at a central Italy background site. <i>Atmospheric Environment</i> , 2009, 43, 970-977.	4.1	45
29	Measurements of ozone and nonmethane hydrocarbons at Chichi-jima island, a remote island in the western Pacific: long-range transport of polluted air from the Pacific rim region. <i>Atmospheric Environment</i> , 2001, 35, 6021-6029.	4.1	44
30	Total OH reactivity and VOC analyses for gasoline vehicular exhaust with a chassis dynamometer. <i>Atmospheric Environment</i> , 2010, 44, 468-475.	4.1	44
31	Solar actinic flux and photolysis frequency determinations by radiometers and a radiative transfer model at Rishiri Island: comparisons, cloud effects, and detection of an aerosol plume from Russian forest fires. <i>Atmospheric Environment</i> , 2003, 37, 2463-2475.	4.1	43
32	Long-range transport of ozone, carbon monoxide, and acidic trace gases at Oki Island, Japan, during PEM-WEST B/PEACAMPOT B campaign. <i>Journal of Geophysical Research</i> , 1997, 102, 28637-28649.	3.3	42
33	Observation of ozone and carbon monoxide at Cape Hedo, Japan: Seasonal variation and influence of long-range transport. <i>Atmospheric Environment</i> , 2008, 42, 2971-2981.	4.1	42
34	Characterizing PM _{2.5} in Hanoi with New High Temporal Resolution Sensor. <i>Aerosol and Air Quality Research</i> , 2018, 18, 2487-2497.	2.1	41
35	A new measurement technique of peroxyacetyl nitrate at parts per trillion by volume levels: Gas chromatography/negative ion chemical ionization mass spectrometry. <i>Journal of Geophysical Research</i> , 1999, 104, 21343-21354.	3.3	40
36	Total OH reactivity measurements in ambient air in a southern Rocky mountain ponderosa pine forest during BEACHON-SRM08 summer campaign. <i>Atmospheric Environment</i> , 2014, 85, 1-8.	4.1	40

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37	Development of a measurement system for nitrate radical and dinitrogen pentoxide using a thermal conversion/laser-induced fluorescence technique. Review of Scientific Instruments, 2005, 76, 064101.	1.3	38
38	Development of a measurement system of peroxy radicals using a chemical amplification/laser-induced fluorescence technique. Review of Scientific Instruments, 2004, 75, 864-872.	1.3	36
39	In situ measurement of N ₂ O ₅ in the urban atmosphere by thermal decomposition/laser-induced fluorescence technique. Atmospheric Environment, 2005, 39, 6802-6811.	4.1	35
40	A proton transfer reaction mass spectrometry based system for determining plant uptake of volatile organic compounds. Atmospheric Environment, 2007, 41, 1736-1746.	4.1	35
41	Improved analyzer for nitrogen dioxide by laser-induced fluorescence technique. Atmospheric Environment, 2003, 37, 4847-4851.	4.1	33
42	Aerosol Liquid Water Promotes the Formation of Water-Soluble Organic Nitrogen in Submicrometer Aerosols in a Suburban Forest. Environmental Science & Technology, 2020, 54, 1406-1414.	10.0	33
43	Gas-aerosol partitioning of semi volatile carbonyls in polluted atmosphere in Hachioji, Tokyo. Geophysical Research Letters, 2005, 32, .	4.0	32
44	Terpenylic acid and nine-carbon multifunctional compounds formed during the aging of β -pinene ozonolysis secondary organic aerosol. Atmospheric Environment, 2016, 130, 127-135.	4.1	32
45	Isotope effects on radiationless transitions from the lowest excited singlet state of tetraphenylporphyrin. Chemical Physics Letters, 1984, 111, 347-349.	2.6	30
46	Aerial Observation of Aerosols Transported from East Asia – Chemical Composition of Aerosols and Layered Structure of an Air Mass over the East China Sea. Aerosol and Air Quality Research, 2011, 11, 497-507.	2.1	29
47	Deuterium isotope effects on photodecomposition of alkylbenzenes. Journal of Chemical Physics, 1987, 86, 6115-6118.	3.0	28
48	Triplet-triplet energy transfer in a copper(II) porphyrin-free-base porphyrin dimer. The Journal of Physical Chemistry, 1987, 91, 4269-4273.	2.9	28
49	Determination of nitrous acid emission factors from a gasoline vehicle using a chassis dynamometer combined with incoherent broadband cavity-enhanced absorption spectroscopy. Science of the Total Environment, 2017, 575, 287-293.	8.0	28
50	Air quality study in Hanoi, Vietnam in 2015–2016 based on a one-year observation of NO _x , O ₃ , CO and a one-week observation of VOCs. Atmospheric Pollution Research, 2018, 9, 544-551.	3.8	28
51	Photochemical β -cleavage reaction of benzoin and its derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 116, 179-185.	3.9	27
52	Nocturnal sink of NO _x via NO ₃ and N ₂ O ₅ in the outflow from a source area in Japan. Atmospheric Environment, 2006, 40, 6294-6302.	4.1	27
53	Influence of extensive compressed natural gas (CNG) usage on air quality. Atmospheric Environment, 2012, 54, 296-307.	4.1	27
54	ArF laser flash photolysis of phenol and anisole. Journal of Chemical Physics, 1987, 87, 5059-5063.	3.0	25

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55	A method to estimate the contribution of unidentified VOCs to OH reactivity. Atmospheric Environment, 2011, 45, 5531-5539.	4.1	25
56	Examination on photostationary state of NO _x in the urban atmosphere in Japan. Atmospheric Environment, 2006, 40, 3230-3239.	4.1	24
57	Characteristics of roadside volatile organic compounds in an urban area dominated by gasoline vehicles, a case study in Hanoi. Chemosphere, 2020, 254, 126749.	8.2	24
58	Quenching of triplet benzophenone by 2,4,6-tri-tert-butylphenol and formation of its phenoxy radical. The Journal of Physical Chemistry, 1987, 91, 2791-2794.	2.9	23
59	Complex formation of benzophenone ketyl radical and triethylamine. The Journal of Physical Chemistry, 1992, 96, 7244-7247.	2.9	23
60	Degradation of PAHs during long range transport based on simultaneous measurements at Tuoji Island, China, and at Fukue Island and Cape Hedo, Japan. Environmental Pollution, 2020, 260, 113906.	7.5	23
61	Relaxation processes of highly excited naphthalene in solution studied by time-resolved thermal lensing technique. Chemical Physics, 1992, 161, 447-452.	1.9	22
62	Total OH reactivity measurement in a BVOC dominated temperate forest during a summer campaign, 2014. Atmospheric Environment, 2016, 131, 41-54.	4.1	21
63	Ultraviolet light-induced water-droplet formation from wet ambient air. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2007, 83, 320-325.	3.8	20
64	Rate constants of the reaction of C ₂ -C ₄ peroxy radicals with OH radicals. Chemical Physics Letters, 2017, 684, 245-249.	2.6	20
65	Visible light induced reactions of nitrogen dioxide with conjugated dienes in a low-temperature argon matrix. The Journal of Physical Chemistry, 1993, 97, 7048-7053.	2.9	19
66	Photochemical reaction of C ₆₀ in the presence of triethylamine in toluene. Chemical Physics Letters, 1993, 204, 283-286.	2.6	18
67	New method for measuring low NO concentrations using laser induced two photon ionization. Review of Scientific Instruments, 1997, 68, 2891-2897.	1.3	18
68	Seasonal variation of carbon monoxide at remote sites in Japan. Chemosphere, 1999, 1, 137-144.	1.2	18
69	Observed and modeled seasonal variation of ¹³ C, ¹⁸ O, and ¹⁴ C of atmospheric CO at Haplo, a remote site in Japan, and a comparison with other records. Journal of Geophysical Research, 2000, 105, 8891-8900.	3.3	18
70	Diurnal variations in H ₂ O ₂ , O ₃ , PAN, HNO ₃ and aldehyde concentrations and NO/NO ₂ ratios at Rishiri Island, Japan: Potential influence from iodine chemistry. Science of the Total Environment, 2007, 376, 185-197.	8.0	18
71	Leaf level emission measurement of sesquiterpenes and oxygenated sesquiterpenes from desert shrubs and temperate forest trees using a liquid extraction technique. Geochemical Journal, 2009, 43, 179-189.	1.0	18
72	Highly excited triplet state dynamics of benzophenone studied by pump and probe time-resolved thermal lensing spectroscopy. Chemical Physics, 1993, 169, 291-296.	1.9	17

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73	Long term observation of surface O ₃ and its precursors in Dhaka, Bangladesh. Atmospheric Research, 2013, 122, 378-390.	4.1	17
74	Aerial observations of air masses transported from East Asia to the Western Pacific: Vertical structure of polluted air masses. Atmospheric Environment, 2014, 97, 456-461.	4.1	17
75	Relative and Absolute Sensitivity Analysis on Ozone Production in Tsukuba, a City in Japan. Environmental Science & Technology, 2019, 53, 13629-13635.	10.0	17
76	Water Vapor Does Not Catalyze the Reaction between Methanol and OH Radicals. Angewandte Chemie - International Edition, 2019, 58, 5013-5017.	13.8	16
77	Kinetics and impacting factors of HO ₂ uptake onto submicron atmospheric aerosols during the 2019 Air QUALity Study (AQUAS) in Yokohama, Japan. Atmospheric Chemistry and Physics, 2021, 21, 12243-12260.	4.9	16
78	Transient and matrix ultraviolet absorption spectra of dimethylgermylene (dimethylgermanediyl). Journal of the Chemical Society Chemical Communications, 1988, , 910.	2.0	15
79	Photochemical reaction of excited benzophenone in the gas phase. The Journal of Physical Chemistry, 1992, 96, 4455-4458.	2.9	15
80	Surface ozone and carbon monoxide levels observed at Oki, Japan: Regional air pollution trends in East Asia. Journal of Environmental Management, 2011, 92, 953-959.	7.8	15
81	Total OH reactivity measurements for the OH-initiated oxidation of aromatic hydrocarbons in the presence of NO _x . Atmospheric Environment, 2017, 171, 272-278.	4.1	15
82	Diurnal peroxy radical chemistry at a remote coastal site over the sea of Japan. Journal of Geophysical Research, 2007, 112, .	3.3	14
83	UV-Light-Induced Water Condensation in Air and the Role of Hydrogen Peroxide. Bulletin of the Chemical Society of Japan, 2014, 87, 593-602.	3.2	14
84	Investigation of dark condition nitrate radical- and ozone-initiated aging of toluene secondary organic aerosol: Importance of nitrate radical reactions with phenolic products. Atmospheric Environment, 2019, 219, 117049.	4.1	14
85	Solvent Effects on the Complex Formation of Benzophenone Ketyl Radical and Triethylamine. Journal of Physical Chemistry A, 1999, 103, 1457-1462.	2.5	13
86	Development of atmospheric NO analyzer by using a laser-induced fluorescence NO ₂ detector. Atmospheric Environment, 2008, 42, 7812-7820.	4.1	13
87	Responses of DMS in the seawater and atmosphere to iron enrichment in the subarctic western North Pacific (SEEDS-II). Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2899-2917.	1.4	13
88	Fluorescence spectra and lifetimes of chalcone ketyl radical anions. Chemical Physics Letters, 1987, 139, 187-190.	2.6	12
89	Heats of formation of intermediate radicals in solution. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 115, 109-115.	3.9	12
90	Characterization of gas chromatography-negative ion chemical ionization mass Spectrometry for ambient measurement of PAN: Potential interferences and long-term sensitivity drift. Geophysical Research Letters, 2000, 27, 2089-2092.	4.0	12

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91	Hydrogen abstraction in the neutral molecular cluster of benzophenone and hydrogen donors formed in a supersonic free jet expansion. The Journal of Physical Chemistry, 1992, 96, 6566-6570.	2.9	11
92	Total OH reactivity measurements in laboratory studies of the photooxidation of isoprene. Atmospheric Environment, 2012, 46, 243-247.	4.1	11
93	Real-time quantification of the total HO ₂ reactivity of ambient air and HO ₂ uptake kinetics onto ambient aerosols in Kyoto (Japan). Atmospheric Environment, 2020, 223, 117189.	4.1	11
94	Photoinduced dehydrogenation reaction of CH ₃ NH ₂ by NO ₂ in a cryogenic Ar matrix. Identification of the CH ₂ = NH · H ₂ O complex. Chemical Physics Letters, 1995, 232, 109-114.	2.6	10
95	Atmospheric trace gas measurements during SEEDS-II over the northwestern pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 2918-2927.	1.4	10
96	Influence of Beijing outflow on Volatile Organic Compounds (VOC) observed at a mountain site in North China Plain. Atmospheric Research, 2012, 111, 46-57.	4.1	10
97	Wildfires impact on surface nitrogen oxides and ozone in Central Italy. Atmospheric Pollution Research, 2015, 6, 29-35.	3.8	10
98	Kinetics Study of OH Uptake onto Deliquesced NaCl Particles by Combining Laser Photolysis and Laser-Induced Fluorescence. Journal of Physical Chemistry Letters, 2018, 9, 4115-4119.	4.6	9
99	Total hydroxyl radical reactivity measurements in a suburban area during AQUAS-Tsukuba campaign in summer 2017. Science of the Total Environment, 2020, 740, 139897.	8.0	9
100	Personal Exposure to Fine Particles (PM _{2.5}) in Northwest Africa: Case of the Urban City of Bamako in Mali. International Journal of Environmental Research and Public Health, 2022, 19, 611.	2.6	9
101	Trace gas measurements over the northwest Pacific during the 2002 IOC cruise. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.	2.5	8
102	Aerial observation of nitrogen compounds over the East China Sea in 2009 and 2010. Atmospheric Environment, 2014, 48, 462-470.	4.1	8
103	Concentration variations of total reactive nitrogen and total nitrate during transport to Fukue Island and to Cape Hedo, Japan in the marine boundary layer. Atmospheric Environment, 2014, 48, 471-478.	4.1	7
104	Comprehensive measurements of atmospheric OH reactivity and trace species within a suburban forest near Tokyo during AQUAS-TAMA campaign. Atmospheric Environment, 2018, 184, 166-176.	4.1	7
105	Improvement of the New NO Detection Method Using Laser-Induced Two-Photon Ionization with a TOF Mass Spectrometer. Environmental Science & Technology, 2000, 34, 4434-4438.	10.0	6
106	Evaluation of non-methane hydrocarbon (NMHC) emissions based on an ambient air measurement in Tokyo area, Japan. Atmospheric Environment, 2010, 44, 4982-4993.	4.1	6
107	Water Aerosol Formation upon Irradiation of Air Using KrF Laser at 248 nm. Bulletin of the Chemical Society of Japan, 2012, 85, 1155-1159.	3.2	6
108	New System for Measuring the Photochemical Ozone Production Rate in the Atmosphere. Environmental Science & Technology, 2017, 51, 2871-2878.	10.0	6

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109	Dissociation of highly excited triplet benzophenone into phenyl radicals and carbon monoxide: determination of the reaction quantum yield and the heat of reaction by time-resolved thermal lensing technique. Chemical Physics, 1994, 180, 99-107.	1.9	5
110	Evaluation of Photochemical Pollution during Transport of Air Pollutants in Spring over the East China Sea. Asian Journal of Atmospheric Environment, 2015, 9, 237-246.	1.1	5
111	Decomposition of multifunctionalized α -alkoxyalkyl-hydroperoxides derived from the reactions of Criegee intermediates with diols in liquid phases. Physical Chemistry Chemical Physics, 2022, 24, 11562-11572.	2.8	5
112	Kinetic studies of the photochemical reaction of C60 with amine in solution. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 92, 69-72.	3.9	4
113	Photoinduced through-bond electron transfer and rearrangement in bichromophoric chain molecules. Tetrahedron Letters, 1996, 37, 505-508.	1.4	4
114	Methods for Preparing Standard Nitrate Radical (NO ₃) Gas to Calibrate the LIF-based Instrument for Measurements in the Atmosphere. Chemistry Letters, 2005, 34, 1214-1215.	1.3	4
115	Near-Surface Vertical Profiles of Urban Roadside NO _x and Fine Particles. Aerosol and Air Quality Research, 2014, 14, 1763-1768.	2.1	4
116	A quantitative understanding of total OH reactivity and ozone production in a coastal industrial area during the Yokohama air quality study (AQUAS) campaign of summer 2019. Atmospheric Environment, 2021, 267, 118754.	4.1	2
117	HO _x and RO _x Radicals in Atmospheric Chemistry. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 77-92.	0.2	2
118	Atmospheric OH Reactivity Measurement Using Comparative Reactivity Method Followed by Gas Chromatography or Proton Transfer Reaction Mass Spectrometry. Bunseki Kagaku, 2013, 62, 369-378.	0.2	1
119	Rate constants of CH ₃ O ₂ + NO ₂ CH ₃ O ₂ NO ₂ and C ₂ H ₅ O ₂ + NO ₂ C ₂ H ₅ O ₂ NO ₂ reactions under atmospheric conditions. International Journal of Chemical Kinetics, 2021, 53, 571-582.	1.6	1
120	Measurement of Volatile Organic Carbons by Proton Transfer Reaction Mass Spectrometry. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 600-605.	0.2	1
121	Nitrate radical, ozone and hydroxyl radical initiated aging of limonene secondary organic aerosol. Atmospheric Environment: X, 2021, 9, 100102.	1.4	0
122	Analyzer for Measuring NO ₃ /N ₂ O ₅ in the Atmosphere by Laser-Induced Fluorescence Technique. Journal of the Spectroscopical Society of Japan, 2005, 54, 23-31.	0.0	0
123	Nitrogen Oxides Analyzer in ppt Level for Ambient Measurement by Laser Induced Fluorescence. The Review of Laser Engineering, 2006, 34, 295-299.	0.0	0
124	Development of a High Speed Measurement of Atmospheric Trace Species Using High Repetition Rate Cavity Ring-Down Spectroscopy. The Review of Laser Engineering, 2013, 41, 835.	0.0	0
125	Improvement of time resolution of laser-induced optoacoustic spectroscopy.. Journal of the Spectroscopical Society of Japan, 1989, 38, 39-40.	0.0	0