Takuya Okazaki

List of Publications by Year
in descending order

23 papers	298 citations	1040056 9 h-index	888059 17 g-index
25 all docs	25 docs citations	25 times ranked	306 citing authors

#	Article	IF	Citations
1	Scale sensor: Rapid monitoring of scale deposition and inhibition using fiber optics in a geothermal system and comparison with other monitoring devices. Geothermics, 2021, 93, 102069.	3.4	1
2	Organic Ion-Associate Phase Microextraction/Back-Microextraction for Preconcentration: Determination of Nickel in Environmental Water Using 2-Thenoyltrifluoroacetone via GF-AAS. AppliedChem, 2021, 1, 130-141.	1.0	3
3	Evanescent-Wave Fiber Optic Sensing of the Anionic Dye Uranine Based on Ion Association Extraction. Sensors, 2020, 20, 2796.	3.8	8
4	Electrochemical Long Period Fiber Grating Sensing for Electroactive Species. Analytical Chemistry, 2020, 92, 9714-9721.	6.5	6
5	U-Shaped Polymer Cladding and Hetero-Core Fiber Optic Sensors for Monitoring Scale Formation in Geothermal Brine. Analytical Letters, 2020, 53, 2160-2169.	1.8	5
6	Spectroelectrochemical Evaluation of a ZnO Optically Transparent Electrode Prepared by the Spinâ€spray Technique. Electroanalysis, 2020, 32, 1681-1688.	2.9	6
7	Organic Ion-associate Phase Extraction/Back-microextraction for the Preconcentration and Determination of Lithium Using 2,2,6,6-Tetramethyl-3,5-heptanedione by Liquid Electrode Plasma Atomic Emission Spectrometry and GF-AAS in Environmental Water. Analytical Sciences, 2020, 36, 595-600.	1.6	5
8	Investigation of the effects of electromagnetic field treatment of hot spring water for scale inhibition using a fibre optic sensor. Scientific Reports, 2019, 9, 10719.	3.3	5
9	Simultaneous Multiselective Spectroelectrochemical Fiber-Optic Sensor: Sensing with an Optically Transparent Electrode. Analytical Chemistry, 2018, 90, 2440-2445.	6.5	14
10	Detection of mercury (II) ions in water by polyelectrolyteâ€“gold nanoparticles coated long period fiber grating sensor. Optics Communications, 2018, 419, 18-24.	2.1	27
11	Micro-organic Ion-associate Phase Extraction/micro-volume Back-extraction for the Preconcentration and GF-AAS Determination of Cadmium, Nickel and Lead in Environmental Water. Analytical Sciences, 2018, 34, 1445-1448.	1.6	8
12	Adsorptive Voltammetry for the Determination of Ochratoxin A Using Enrichment Effect by Cationic Surfactants. Electroanalysis, 2018, 30, 2265-2272.	2.9	4
13	A Reusable Fiber Optic Sensor for the Real-Time Sensing of CaCO₃Scale Formation in Geothermal Water. IEEE Sensors Journal, 2017, 17, 1207-1208.	4.7	7
14	Fiber Optic Sensor with an Optically Transparent Electrode for Monitoring CaCO3 Scale Formation in Geothermal Water. , 2017, 1, 1-4.		5
15	Fiber Optic Sensor for Real-Time Sensing of Silica Scale Formation in Geothermal Water. Scientific Reports, 2017, 7, 3387.	3.3	19
16	Development of an Attenuated Total Reflection Based Fiber-Optic Sensor for Real-time Sensing of Biofilm Formation. Analytical Sciences, 2017, 33, 883-887.	1.6	3
17	Fundamental Study on the Development of Fiber Optic Sensor for Real-time Sensing of CaCO₃ Scale Formation in Geothermal Water. Analytical Sciences, 2015, 31, 177-183.	1.6	15
18	Development of a Fiber Optic Evanescent Wave Sensor for Anionic Surfactants Using Ethyl Violet. Analytical Letters, 2015, 48, 2217-2222.	1.8	11

#	Article	IF	Citations
19	Visual colorimetry for determination of trace arsenic in groundwater based on improved molybdenum blue spectrophotometry. Analytical Methods, 2015, 7, 2794-2799.	2.7	22
20	Simultaneous Multiselective Spectroelectrochemical Fiber-Optic Sensor: Demonstration of the Concept Using Methylene Blue and Ferrocyanide. Analytical Chemistry, 2015, 87, 2375-2382.	6.5	39
21	Removal of dissolved humic acid from water by coagulation method using polyaluminum chloride (PAC) with calcium carbonate as neutralizer and coagulant aid. Journal of Environmental Chemical Engineering, 2015, 3, 770-774.	6.7	56
22	Molybdenum Blue Spectrophotometry for Trace Arsenic in Ground Water Using a Soluble Membrane Filter and Calcium Carbonate Column. Analytical Sciences, 2013, 29, 67-72.	1.6	26
23	Potential-Scanning Sensing for Refractive Index Using an Indium Tin Oxide (ITO)-Coated Long-Period Fiber Grating (LPFG). Analytical Letters, 0, , 1-11.	1.8	3