Hitoshi Mizuguchi

List of Publications by Year
in descending order

32	259	933447 10	996975 15
papers	citations	h-index	g-index

32	32	32	208
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetic analysis of the transphosphorylation with creatine kinase by pressure-assisted capillary electrophoresis/dynamic frontal analysis. Analytical and Bioanalytical Chemistry, 2021, 413, 1453-1460.	3.7	8
2	Track-etched membrane-based dual-electrode coulometric detector for microbore/capillary high-performance liquid chromatography. Analytica Chimica Acta, 2020, 1102, 46-52.	5.4	9
3	Determination of acid dissociation constants of flavin analogues by capillary zone electrophoresis. Electrophoresis, 2020, 41, 1316-1325.	2.4	3
4	Inhibition Assay of Theophylline by Capillary Electrophoresis/Dynamic Frontal Analysis on the Hydrolysis of p-Nitrophenyl Phosphate with Alkaline Phosphatase. Chemistry Letters, 2020, 49, 681-684.	1.3	9
5	Kinetic analysis of substrate competition in enzymatic reactions with Î²-D-galactosidase by capillary electrophoresis / dynamic frontal analysis. Journal of Pharmaceutical and Biomedical Analysis, 2020, 188, 113390.	2.8	9
6	Kinetic analysis of an enzymatic hydrolysis of p-nitrophenyl acetate with carboxylesterase by pressure-assisted capillary electrophoresis/dynamic frontal analysis. Analytical Methods, 2020, 12, 5846-5851.	2.7	9
7	Capillary Electrophoresis/Dynamic Frontal Analysis for the Enzyme Assay of 4-Nitrophenyl Phosphate with Alkaline Phosphatase. Analytical Sciences, 2020, 36, 829-834.	1.6	10
8	A Rapid Enrichment Technique for the Ultratrace Determination of Nickel in Water Samples Using a Nanofiber-composite Membrane Filter. Analytical Sciences, 2018, 34, 907-912.	1.6	9
9	A Triple-Electrode Based Dual-Biosensor System Utilizing Track-Etched Microporous Membrane Electrodes for the Simultaneous Determination of <scp>l</scp>-Lactate and <scp>d</scp>-Glucose. Bulletin of the Chemical Society of Japan, 2017, 90, 1211-1216.	3.2	12
10	Solid-phase Visual Colorimetry for Trace As(III) Using a Nanofiber-composite Membrane Filter. Bunseki Kagaku, 2017, 66, 363-368.	0.2	2
11	Variation of Water Quality Arising from the Hydrolysis of Aluminum in the Acidified River. Journal of Water and Environment Technology, 2015, 13, 141-152.	0.7	1
12	Visual Threshold Detection of Iron(III) at ppb Level Based on Homo-binuclear Complex Formation System Equipped with Ion-exchanger Colorimetry. Bunseki Kagaku, 2014, 63, 515-523.	0.2	2
13	Visual Speciation Analysis of As^{III} and As^V by Solid-phase Extraction to a Membrane Filter. Bunseki Kagaku, 2013, 62, 685-691.	0.2	5
14	Determination of Ultra-trace Mercury(II) by Flow-injection/ Anodic Stripping Voltammetry Using a Track-etched Microporous Membrane Electrode. Analytical Sciences, 2013, 29, 949-954.	1.6	12
15	Determination of Copper(II) in Concentrated Alkaline Solutions by Anodic Stripping Voltammetry with a Microporous Membrane Electrode. Bunseki Kagaku, 2013, 62, 707-712.	0.2	1
16	Flow-based Biosensing System for Glucose Fabricated by Using Track-etched Microporous Membrane Electrodes. Chemistry Letters, 2013, 42, 1317-1319.	1.3	10
17	The Improvement of Water Quality in an Acidic River Environment Using Waste Concrete Aggregates. Journal of Water and Environment Technology, 2013, 11, 235-247.	0.7	3
18	Simple and Rapid Determination of Boron in the Wastewater with Azomethine H Using Accelerating Effect of Ammonium Ion. Journal of Water and Environment Technology, 2013, 11, 355-365.	0.7	3

#	Article	IF	Citations
19	A dual-electrode flow sensor fabricated using track-etched microporous membranes. Talanta, 2012, 96, 168-173.	5.5	16
20	Highly Sensitive Visual Colorimetry for Chromium(VI) by Ion-Pair Solid-Phase Extraction on a PTFE-Type Membrane Filter. Bunseki Kagaku, 2011, 60, 339-344.	0.2	5
21	Stripping Voltammetry with a Flow-through Electrochemical Cell for Simultaneous Trace Determination of Nickel(II) and Copper(II) in Concentrated Alkaline Solutions. Bunseki Kagaku, 2011, 60, 665-670.	0.2	1
22	Ultra-Trace Determination of Lead(II) in Water Using Electrothermal Atomic Absorption Spectrometry after Preconcentration by Solid-Phase Extraction to a Small Piece of Cellulose Acetate Type Membrane Filter. Analytical Sciences, 2011, 27, 85-89.	1.6	11
23	Synthesis and spectral properties of polymethine-cyanine dyeâ€“nitroxide radical hybrid compounds for use as fluorescence probes to monitor reducing species and radicals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 71, 2030-2039.	3.9	29
24	Visual Determination of Trace Zinc(II) by Reverse Phased TLC with Tetrakis(4-carboxyphenyl)porphine. Bunseki Kagaku, 2009, 58, 761-765.	0.2	1
25	Highly Selective Spot Test of Aluminum (III) at ppb Level by Reverse Phase TLC with Sample Drop Loading. Bunseki Kagaku, 2008, 57, 273-277.	0.2	1
26	On-site Determination of Trace Nickel in Liquid Samples for Semiconductor Manufacturing by Highly Sensitive Solid-phase Colorimetry with Î±-Furil Dioxime. Chemistry Letters, 2008, 37, 792-793.	1.3	12
27	Visual Colorimetry for Trace Antimony(V) by Ion-Pair Solid-Phase Extraction with Bis[2-(5-chloro-2-pyridylazo)-5-diethylaminophenolato]cobalt(III) on a PTFE Type Membrane Filter. Analytical Sciences, 2008, 24, 219-223.	1.6	14
28	First Synthesis and Properties of Calix[4]arene with Two Alternately Arranged Phloroglucinols and Two p-tert-Butylphenols. Supramolecular Chemistry, 2006, 18, 39-46.	1.2	3
29	Highly sensitive colour change system within slight differences in metal ion concentrations based on homoâ€“binuclear complex formation equilibrium for visual threshold detection of trace metal ions. Analytica Chimica Acta, 2004, 527, 131-138.	5.4	20
30	Visual fluorimetry of trace aluminium by specific immobilization with o,oâ€²-dihydroxyazobenzene on an octadecylsilanized silica thin layer. Analyst, The, 2000, 125, 1667-1671.	3.5	19
31	Drop Based Visual Fluorometry of Aluminium at ppb Level with 2,2â€²-Dihydroxy-azobenzene by Using Octadecylsilanized Silica Thin Layer. Chemistry Letters, 1997, 26, 895-896.	1.3	5
32	Highly stable gold nanoparticles in an aqueous solution without any stabilizer prepared by a solution plasma process evaluated through capillary zone electrophoresis. Analytical Sciences, 0, , .	1.6	5