

Hideaki Hisamoto

List of Publications by Year in descending order

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138
papers

4,729
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138
docs citations

138
times ranked

3246
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Fabrication of Metal-Insulator-Metal Nanostructures Composed of Au-MgF ₂ -Au and Its Potential in Responding to Two Different Factors in Sample Solutions Using Individual Plasmon Modes. <i>Micromachines</i> , 2022, 13, 257. | 2.9 | 2 |
| 2 | Chloride ion-selective dye liquid nanoemulsion: improved sensor performance due to intermolecular interactions between dye and ionophore. <i>Analyst, The</i> , 2022, 147, 1529-1533. | 3.5 | 1 |
| 3 | Imprinted Photonic Crystal-Film-Based Smartphone-Compatible Label-Free Optical Sensor for SARS-CoV-2 Testing. <i>Biosensors</i> , 2022, 12, 200. | 4.7 | 15 |
| 4 | Evaluation of the interactions between oligonucleotides and small molecules by partial filling of nonequilibrium affinity capillary electrophoresis. <i>Analytical Sciences</i> , 2022, 38, 851-859. | 1.6 | 3 |
| 5 | Au nanorods-TiO ₂ photonic crystal plasmonic-photonic hybrid sensor for label-free detection and identification of DNA molecules with single nucleotide polymorphisms. <i>Sensors and Actuators B: Chemical</i> , 2022, 361, 131747. | 7.8 | 2 |
| 6 | Development of Capillary Devices for Digital Molecular Sieving Electrophoresis. <i>Bunseki Kagaku</i> , 2022, 71, 325-331. | 0.2 | 0 |
| 7 | Enzyme-responsive fluorescent nanoemulsion based on lipophilic dye liquid. <i>Analyst, The</i> , 2021, 146, 4121-4124. | 3.5 | 5 |
| 8 | Direct Measurement of Initial Rate of Enzyme Reaction by Electrokinetic Filtration Using a Hydrogel-plugged Capillary Device. <i>Analytical Sciences</i> , 2021, 37, 1439-1446. | 1.6 | 4 |
| 9 | Single-step Trypsin Inhibitor Assay on a Microchannel Array Device Immobilizing Enzymes and Fluorescent Substrates by Inkjet Printing. <i>Analytical Sciences</i> , 2021, 37, 1473-1476. | 1.6 | 1 |
| 10 | Lipophilic Fluorescent Dye Liquids: Förster Resonance Energy Transfer-Based Fluorescence Amplification for Ion Selective Optical Sensors Based on a Solvent Polymeric Membrane. <i>Analytical Chemistry</i> , 2021, 93, 4143-4148. | 6.5 | 14 |
| 11 | Development of a Single-step Bioassay Microdevice Using a Reagent Immobilization Method Based on Inkjet Printing. <i>Bunseki Kagaku</i> , 2021, 70, 125-131. | 0.2 | 1 |
| 12 | Simple Approach for Fluorescence Signal Amplification Utilizing a Poly(vinyl alcohol)-Based Polymer Structure in a Microchannel. <i>ACS Omega</i> , 2021, 6, 8340-8345. | 3.5 | 2 |
| 13 | Fractionation of Single-stranded DNAs with/without Stable Preorganized Structures Using Capillary Sieving Electrophoresis for Aptamer Selection. <i>Analytical Sciences</i> , 2021, 37, 799-802. | 1.6 | 2 |
| 14 | Modulating Optical Characteristics of Nanoimprinted Plasmonic Device by Re-Shaping Process of Polymer Mold. <i>Micromachines</i> , 2021, 12, 1323. | 2.9 | 0 |
| 15 | Highly sensitive optical ion sensor with ionic liquid-based colorimetric membrane/photonic crystal hybrid structure. <i>Scientific Reports</i> , 2020, 10, 16739. | 3.3 | 10 |
| 16 | A lipophilic ionic liquid-based dye for anion optodes: importance of dye lipophilicity and application to heparin measurement. <i>Analyst, The</i> , 2020, 145, 5430-5437. | 3.5 | 12 |
| 17 | Inkjet Printing-Based Immobilization Method for a Single-Step and Homogeneous Competitive Immunoassay in Microchannel Arrays. <i>Frontiers in Chemistry</i> , 2020, 8, 612132. | 3.6 | 2 |
| 18 | Size Sorting of Exosomes by Tuning the Thicknesses of the Electric Double Layers on a Micro-Nanofluidic Device. <i>Micromachines</i> , 2020, 11, 458. | 2.9 | 12 |

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|----|--|-----|-----------|
| 19 | Enzyme-responsive Fluorescent Ionic Liquid. <i>Analytical Sciences</i> , 2020, 36, 143-145. | 1.6 | 10 |
| 20 | Core-shell-Structured Gold Nanocone Array for Label-Free DNA Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 4983-4990. | 5.0 | 33 |
| 21 | TiN-contained polymer-metal core-shell structured nanocone array: Engineering of sensor performance by controlling plasmonic properties. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126932. | 7.8 | 7 |
| 22 | Development of a Rapid and Highly Sensitive Plasticized PVC Membrane Optode Utilizing an Ionic Liquid Material Composed of Bromothymol Blue. <i>Bunseki Kagaku</i> , 2019, 68, 945-951. | 0.2 | 2 |
| 23 | An ionic liquid composed of purely functional sensing molecules: a colorimetrically calcium responsive ionic liquid. <i>Analyst, The</i> , 2019, 144, 6858-6861. | 3.5 | 10 |
| 24 | Graphene/polyethylene glycol hybrids for single-step immunoassay microdevice. <i>FlatChem</i> , 2019, 13, 34-39. | 5.6 | 3 |
| 25 | Quantitative analysis of liquid crystal-based immunoassay using rectangular capillaries as sensing platform. <i>Optics Express</i> , 2019, 27, 17080. | 3.4 | 5 |
| 26 | Au "Edged Hole Array" for Sensor Application. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019, 32, 101-105. | 0.3 | 1 |
| 27 | Development of a polymer/TiO ₂ hybrid two-dimensional photonic crystal for highly sensitive fluorescence-based ion sensing applications. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 257-263. | 7.8 | 13 |
| 28 | Ionic liquid-based dye: A "Dyed plasticizer" for rapid and highly sensitive anion optodes based on a plasticized PVC membrane. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1125-1130. | 7.8 | 16 |
| 29 | Design and Fabrication of a Visible-Light-Compatible, Polymer-Based Photonic Crystal Resonator and Waveguide for Sensing Applications. <i>Micromachines</i> , 2018, 9, 410. | 2.9 | 2 |
| 30 | Regioselective Immobilization of a PVC Membrane Composed of an Ionic Liquid-based Dye on Convex-shaped PDMS Surface for Multiplexed Microanalytical Devices. <i>Analytical Sciences</i> , 2018, 34, 517-519. | 1.6 | 8 |
| 31 | Development of a single-step immunoassay microdevice based on a graphene oxide-containing hydrogel possessing fluorescence quenching and size separation functions. <i>Analyst, The</i> , 2017, 142, 472-477. | 3.5 | 5 |
| 32 | Double Sweeping: Highly Effective Sample Preconcentration Using Cationic and Anionic Micelles and Its Application to a Multiple Enzyme Activity Assay. <i>Analytical Chemistry</i> , 2017, 89, 6505-6512. | 6.5 | 10 |
| 33 | Development of Element Technology for 1 STEP Biomarker Protein Analysis Device Using Silver Nanoparticle-contained Hydrogel and Reagent-immobilized Cartridge. <i>Electronics and Communications in Japan</i> , 2017, 100, 45-53. | 0.5 | 1 |
| 34 | Fast and Single-step Fluorescence-based Competitive Bioassay Microdevice Combined PDMS Microchannel Arrays Separately Immobilizing Graphene Oxide and Analyte Conjugates and Fluorescently-labelled Receptor Proteins. <i>Analytical Sciences</i> , 2017, 33, 969-972. | 1.6 | 9 |
| 35 | Origin of the Optical Response of a Dye-doped Plasticized Poly(vinyl chloride)-based Photonic Crystal Ion Sensor. <i>Analytical Sciences</i> , 2017, 33, 1247-1251. | 1.6 | 5 |
| 36 | Paper-based Analytical Devices. <i>Analytical Sciences</i> , 2017, 33, 753-753. | 1.6 | 4 |

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|----|---|-----|-----------|
| 37 | A Simple and Easy-to-Use Capillary Isoelectric Focusing Technique Using Reagent-Release Hydrogels. <i>Chromatography</i> , 2017, 38, 79-83. | 1.7 | 0 |
| 38 | A Simple and Rapid Immunoassay Based on Microchip Electrophoresis Using a Reagent-Release Cartridge. <i>Chromatography</i> , 2016, 37, 29-33. | 1.7 | 2 |
| 39 | Fabrication of gold-deposited plasmonic crystal based on nanoimprint lithography for label-free biosensing application. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08RE02. | 1.5 | 21 |
| 40 | Development of optical biosensor based on photonic crystal made of TiO ₂ using liquid phase deposition. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08RE01. | 1.5 | 13 |
| 41 | Polymer-based Photonic Crystal Cavity Sensor for Optical Detection in the Visible Wavelength Region. <i>Analytical Sciences</i> , 2016, 32, 117-120. | 1.6 | 10 |
| 42 | Fast and single-step immunoassay based on fluorescence quenching within a square glass capillary immobilizing graphene oxide-antibody conjugate and fluorescently labelled antibody. <i>Analyst</i> , The, 2016, 141, 3389-3394. | 3.5 | 17 |
| 43 | Highly Sensitive and Multiple Enzyme Activity Assay Using Reagent-release Capillary-Isoelectric Focusing with Rhodamine 110-based Substrates. <i>Analytical Sciences</i> , 2015, 31, 1155-1161. | 1.6 | 10 |
| 44 | Nanoimprinted two-dimensional photonic crystal for detection of fibrinogen using antigen-antibody reaction. , 2015, , . | | 0 |
| 45 | Development of optical biosensor based on photonic crystal made of TiO ₂ using liquid phase deposition. , 2015, , . | | 0 |
| 46 | A single-step enzyme immunoassay capillary sensor composed of functional multilayer coatings for the diagnosis of marker proteins. <i>Analyst</i> , The, 2015, 140, 1459-1465. | 3.5 | 25 |
| 47 | Separation Behavior of Short Oligonucleotides by Ion-Pair Reversed-Phase Capillary Liquid Chromatography Using a Silica-Based Monolithic Column Applied to Simple Detection of SNPs. <i>Chromatographia</i> , 2015, 78, 487-494. | 1.3 | 4 |
| 48 | Fabrication and packaging of a mass-producible capillary-assembled microchip for simple and multiplexed bioassay. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 245-252. | 7.8 | 10 |
| 49 | Development of Microchip Electrophoresis-Integrated Nanoimprinted Photonic Crystal. <i>Sensors and Materials</i> , 2015, , . | 0.5 | 2 |
| 50 | Development of Element Technology for 1 STEP Biomarker Protein Analysis Device using Silver Nanoparticle Contained Hydrogel and Reagent Immobilized Cartridge. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2015, 135, 1307-1313. | 0.2 | 0 |
| 51 | Plasticized Poly(vinyl chloride)-Based Photonic Crystal for Ion Sensing. <i>Analytical Chemistry</i> , 2014, 86, 11986-11991. | 6.5 | 23 |
| 52 | Efficient immobilization of the enzyme and substrate for a single-step caspase-3 inhibitor assay using a combinable PDMS capillary sensor array. <i>RSC Advances</i> , 2014, 4, 7682-7687. | 3.6 | 13 |
| 53 | Signal amplified two-dimensional photonic crystal biosensor immobilized with glyco-nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3324-3332. | 5.8 | 27 |
| 54 | Development of Novel Protease Assay Device Using a Nanoimprinted Two-dimensional Photonic Crystal. <i>Chemistry Letters</i> , 2014, 43, 1728-1730. | 1.3 | 14 |

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|----|--|-----|-----------|
| 55 | Advancements in Capillary-Assembled Microchip (CAs-CHIP) Development for Multiple Analyte Sensing and Microchip Electrophoresis. <i>Analytical Sciences</i> , 2014, 30, 7-15. | 1.6 | 16 |
| 56 | Design of a single-step immunoassay principle based on the combination of an enzyme-labeled antibody release coating and a hydrogel copolymerized with a fluorescent enzyme substrate in a microfluidic capillary device. <i>Lab on A Chip</i> , 2013, 13, 4304. | 6.0 | 15 |
| 57 | Enhancement of the fluorescence intensity of DNA intercalators using nano-imprinted 2-dimensional photonic crystal. <i>Mikrochimica Acta</i> , 2013, 180, 929-934. | 5.0 | 19 |
| 58 | Novel fluorescent probe for highly sensitive bioassay using sequential enzyme-linked immunosorbent assay-capillary isoelectric focusing (ELISA-cIEF). <i>Analyst, The</i> , 2013, 138, 3139. | 3.5 | 12 |
| 59 | Integration of neuraminidase inhibitor assay into a single-step operation using a combinable poly(dimethylsiloxane) capillary sensor. <i>Analyst, The</i> , 2013, 138, 3158. | 3.5 | 21 |
| 60 | Capillary-based enzyme-linked immunosorbent assay for highly sensitive detection of thrombin-cleaved osteopontin in plasma. <i>Analytical Biochemistry</i> , 2013, 440, 137-141. | 2.4 | 22 |
| 61 | Title is missing!. <i>Electrochemistry</i> , 2012, 80, 434-439. | 1.4 | 0 |
| 62 | Single-Step Sandwich Immunoreaction in a Square Glass Capillary Immobilizing Capture and Enzyme-linked Antibodies for Simplified Enzyme-linked Immunosorbent Assay. <i>Analytical Sciences</i> , 2012, 28, 51. | 1.6 | 17 |
| 63 | Open-type capillary-assembled microchip for rapid, single-step, simultaneous multi-component analysis of serum sample. <i>RSC Advances</i> , 2012, 2, 9525. | 3.6 | 20 |
| 64 | Combinable poly(dimethyl siloxane) capillary sensor array for single-step and multiple enzyme inhibitor assays. <i>Lab on A Chip</i> , 2012, 12, 204-208. | 6.0 | 26 |
| 65 | Printed two-dimensional photonic crystals for single-step label-free biosensing of insulin under wet conditions. <i>Lab on A Chip</i> , 2012, 12, 1995. | 6.0 | 33 |
| 66 | Bulk- and surface-modified combinable PDMS capillary sensor array as an easy-to-use sensing device with enhanced sensitivity to elevated concentrations of multiple serum sample components. <i>Lab on A Chip</i> , 2012, 12, 1522. | 6.0 | 33 |
| 67 | High-throughput Ru(III) analysis using the hydrothermal flow reactor-mediated FIA by the extreme acceleration of Ru(III) complexation with 1,10-phenanthroline. <i>Talanta</i> , 2012, 99, 415-419. | 5.5 | 5 |
| 68 | Flow injection analysis combined with a hydrothermal flow reactor: Application to kinetic determination of trace amounts of iridium using a water-soluble porphyrin. <i>Talanta</i> , 2011, 84, 1318-1322. | 5.5 | 13 |
| 69 | Facile Preparation Method of a Disposable Capillary Biosensor Using an Ion-selective Optode Membrane and a Dissolvable Enzyme Membrane and Its Application to Urea Sensing. <i>Chemistry Letters</i> , 2010, 39, 436-438. | 1.3 | 26 |
| 70 | Single-step ELISA capillary sensor based on surface-bonded glucose oxidase, antibody, and physically-adsorbed PEG membrane containing peroxidase-labeled antibody. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 319-324. | 7.8 | 20 |
| 71 | Reagent-release capillary array-isoelectric focusing device as a rapid screening device for IEF condition optimization. <i>Lab on A Chip</i> , 2010, 10, 3341. | 6.0 | 14 |
| 72 | Enzyme-Release Capillary as a Facile Enzymatic Biosensing Part for a Capillary-Assembled Microchip. <i>Analytical Sciences</i> , 2009, 25, 1025-1028. | 1.6 | 16 |

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|----|---|-----|-----------|
| 73 | Single-drop analysis of various proteases in a cancer cell lysate using a capillary-assembled microchip. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2507-2512. | 3.7 | 28 |
| 74 | Current development in microfluidic immunosensing chip. <i>Analytica Chimica Acta</i> , 2008, 611, 17-30. | 5.4 | 192 |
| 75 | “Drop-and-Sip” Fluid Handling Technique for the Reagent-Release Capillary (RRC)-based Capillary-Assembled Microchip (CAs-CHIP): Sample Delivery Optimization and Reagent Release Behavior in RRC. <i>Analytical Sciences</i> , 2008, 24, 127-132. | 1.6 | 18 |
| 76 | Capillary-Assembled Microchip: Development of electrophoretic separation systems based on square Capillary-Embedded Microchip.. <i>Seibutsu Butsuri Kagaku</i> , 2008, 52, 107-110. | 0.1 | 0 |
| 77 | Capillary-assembled Microchip for the Electrochemical Determination of Glucose. <i>Chemistry Letters</i> , 2007, 36, 1242-1243. | 1.3 | 6 |
| 78 | pH-Independent Fluorescent Chemosensor for Highly Selective Lithium Ion Sensing. <i>Analytical Chemistry</i> , 2007, 79, 1237-1242. | 6.5 | 70 |
| 79 | Integration of Multianalyte Sensing Functions on a Capillary-Assembled Microchip: Simultaneous Determination of Ion Concentrations and Enzymatic Activities by a “Drop-and-Sip” Technique. <i>Analytical Chemistry</i> , 2007, 79, 908-915. | 6.5 | 58 |
| 80 | Characterization of electrokinetic gating valve in microfluidic channels. <i>Analytica Chimica Acta</i> , 2007, 584, 129-135. | 5.4 | 15 |
| 81 | Multiple enzyme linked immunosorbent assay system on a capillary-assembled microchip integrating valving and immuno-reaction functions. <i>Analytica Chimica Acta</i> , 2007, 589, 173-179. | 5.4 | 39 |
| 82 | Integration of multiple-ion-sensing on a capillary-assembled microchip. <i>Analytica Chimica Acta</i> , 2006, 556, 164-170. | 5.4 | 43 |
| 83 | Measurement of monomolecular binding constants of neutral phenols into the β -cyclodextrin by continuous frontal analysis in capillary and microchip electrophoresis via a competitive assay. <i>Journal of Chromatography A</i> , 2006, 1104, 352-358. | 3.7 | 21 |
| 84 | Capillary-assembled microchip as an on-line deproteinization device for capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 733-738. | 3.7 | 16 |
| 85 | Healthcare Chip Based on Integrated Electrochemical Sensors Used for Clinical Diagnostics of Bun. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 4241-4247. | 1.5 | 23 |
| 86 | Development of Novel Chemical Sensing Systems Based on Microfluidic Devices. <i>Bunseki Kagaku</i> , 2005, 54, 267-278. | 0.2 | 1 |
| 87 | Continuous-Flow Chemical Processing in Three-Dimensional Microchannel Network for On-Chip Integration of Multiple Reactions in a Combinatorial Mode. <i>QSAR and Combinatorial Science</i> , 2005, 24, 742-757. | 1.4 | 16 |
| 88 | Microfluidic Chip toward Cellular ATP and ATP-Conjugated Metabolic Analysis with Bioluminescence Detection. <i>Analytical Chemistry</i> , 2005, 77, 573-578. | 6.5 | 95 |
| 89 | Integration of Valving and Sensing on a Capillary-Assembled Microchip. <i>Analytical Chemistry</i> , 2005, 77, 2266-2271. | 6.5 | 36 |
| 90 | Micro wet analysis system using multi-phase laminar flows in three-dimensional microchannel network Electronic supplementary information (ESI) available: illustration and microscopic view of two-phase laminar flow. See http://www.rsc.org/suppdata/lc/b4/b400233d/ . <i>Lab on A Chip</i> , 2004, 4, 328. | 6.0 | 50 |

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|-----|--|------|-----------|
| 91 | Characterization of molecular transport in poly(dimethylsiloxane) microchannels for electrophoresis fabricated with synchrotron radiation-lithography and UV-photolithography. <i>Lab on A Chip</i> , 2004, 4, 368. | 6.0 | 8 |
| 92 | Capillary-Assembled Microchip for Universal Integration of Various Chemical Functions onto a Single Microfluidic Device. <i>Analytical Chemistry</i> , 2004, 76, 3222-3228. | 6.5 | 76 |
| 93 | Subsecond separation of cellular flavin coenzymes by microchip capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2003, 1021, 201-207. | 3.7 | 26 |
| 94 | Microchip-based chemical and biochemical analysis systems. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 379-391. | 13.7 | 156 |
| 95 | Chemical processing on microchips for analysis, synthesis, and bioassay. <i>Electrophoresis</i> , 2003, 24, 3583-3594. | 2.4 | 51 |
| 96 | Molecular design, characterization, and application of multiinformation dyes for optical chemical sensing. <i>Analytica Chimica Acta</i> , 2003, 482, 19-28. | 5.4 | 17 |
| 97 | Chemifunctional Membrane for Integrated Chemical Processes on a Microchip. <i>Analytical Chemistry</i> , 2003, 75, 350-354. | 6.5 | 142 |
| 98 | Integration of Chemical and Biochemical Analysis Systems into a Glass Microchip.. <i>Analytical Sciences</i> , 2003, 19, 15-22. | 1.6 | 77 |
| 99 | Fundamental Study on the Segmented Flow Injection - Multiphase Flow Formation Towards Microchip-Based Multi-Ion Sensing. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2003, 123, 124-127. | 0.1 | 1 |
| 100 | Molecular Transport and Extraction in Liquid Microspace. A Key to Develop Microchemical Systems.. <i>Journal of Ion Exchange</i> , 2003, 14, 38-43. | 0.3 | 3 |
| 101 | Comparison of Two Molecular Design Strategies for the Development of an Ammonium Ionophore More Highly Selective than Nonactin. <i>Analytical Chemistry</i> , 2002, 74, 4845-4848. | 6.5 | 16 |
| 102 | Stabilization of Liquid Interface and Control of Two-Phase Confluence and Separation in Glass Microchips by Utilizing Octadecylsilane Modification of Microchannels. <i>Analytical Chemistry</i> , 2002, 74, 1724-1728. | 6.5 | 140 |
| 103 | Three-Layer Flow Membrane System on a Microchip for Investigation of Molecular Transport. <i>Analytical Chemistry</i> , 2002, 74, 2014-2020. | 6.5 | 118 |
| 104 | Continuous-Flow Chemical Processing on a Microchip by Combining Microunit Operations and a Multiphase Flow Network. <i>Analytical Chemistry</i> , 2002, 74, 1565-1571. | 6.5 | 330 |
| 105 | Pile-up glass microreactor. <i>Lab on A Chip</i> , 2002, 2, 193. | 6.0 | 93 |
| 106 | Design and Synthesis of Mg ²⁺ -Selective Fluoroionophores Based on a Coumarin Derivative and Application for Mg ²⁺ -Measurement in a Living Cell. <i>Analytical Chemistry</i> , 2002, 74, 1423-1428. | 6.5 | 131 |
| 107 | Class microchip with three-dimensional microchannel network for 2 Å – 2 parallel synthesis. <i>Lab on A Chip</i> , 2002, 2, 188-192. | 6.0 | 118 |
| 108 | Optical Determination of Low-Level Water Concentrations in Organic Solvents Using Fluorescent Acridinyl Dyes and Dye-Immobilized Polymer Membranes. <i>Analytical Chemistry</i> , 2001, 73, 5339-5345. | 6.5 | 133 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Synthesis of novel Hg ²⁺ receptors based on N-benzyloxyamide derivatives and their application to anion-selective electrodes. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1366-1371. | 1.3 | 4 |
| 110 | On-Chip Integration of Sequential Ion-Sensing System Based on Intermittent Reagent Pumping and Formation of Two-Layer Flow. Analytical Chemistry, 2001, 73, 5551-5556. | 6.5 | 103 |
| 111 | On-Chip Integration of Neutral Ionophore-Based Ion Pair Extraction Reaction. Analytical Chemistry, 2001, 73, 1382-1386. | 6.5 | 115 |
| 112 | Integrated Multilayer Flow System on a Microchip.. Analytical Sciences, 2001, 17, 89-93. | 1.6 | 175 |
| 113 | Micrometer-sized lithium ion-selective microoptodes based on a ðœtailedðœ-neutral ionophore and a fluorescent anionic dye. Analytica Chimica Acta, 2001, 426, 11-18. | 5.4 | 16 |
| 114 | Down-Sizing in Analytical Chemistry. Ultrasmall ion-selective fiber optodes.. Bunseki Kagaku, 2000, 49, 961-967. | 0.2 | 0 |
| 115 | Visual and Colorimetric Lithium Ion Sensing Based on Digital Color Analysis. Analytical Chemistry, 2000, 72, 465-474. | 6.5 | 69 |
| 116 | Design and Synthesis of a More Highly Selective Ammonium Ionophore Than Nonactin and Its Application as an Ion-Sensing Component for an Ion-Selective Electrode. Analytical Chemistry, 2000, 72, 2200-2205. | 6.5 | 47 |
| 117 | Ion-selective optodes: current developments and future prospects. TrAC - Trends in Analytical Chemistry, 1999, 18, 513-524. | 11.4 | 66 |
| 118 | Theory and practice of rapid flow-through analysis based on ion-selective optode detection and its application to sodium ion determination. Analytica Chimica Acta, 1999, 396, 131-141. | 5.4 | 16 |
| 119 | Molecular Design, Characterization, and Application of Multiinformation Dyes (MIDs) for Optical Chemical Sensings. 3. Application of MIDs for ðœmax-Tunable Ion-Selective Optodes. Analytical Chemistry, 1999, 71, 259-264. | 6.5 | 12 |
| 120 | Micrometer-Sized Sodium Ion-Selective Optodes Based on a ðœTailedðœ-Neutral Ionophore. Analytical Chemistry, 1999, 71, 3558-3566. | 6.5 | 52 |
| 121 | Molecular design, characterization, and application of multi-information dyes for multi-dimensional optical chemical sensing. Molecular design concepts of the dyes and their fundamental spectral characteristics. Analytica Chimica Acta, 1998, 373, 271-289. | 5.4 | 76 |
| 122 | Molecular Design, Characterization, and Application of Multiinformation Dyes for Multidimensional Optical Chemical Sensings. 2. Preparation of the Optical Sensing Membranes for the Simultaneous Measurements of pH and Water Content in Organic Media. Analytical Chemistry, 1998, 70, 1255-1261. | 6.5 | 73 |
| 123 | Preparation of Sodium Ion-Sensing Plates Based on a Thin Layer Liquid Membrane Containing a Neutral Ionophore and a Lipophilic Anionic Dye.. Analytical Sciences, 1998, 14, 127-131. | 1.6 | 8 |
| 124 | Magnesium Ion-Selective Optodes Based on a Neutral Ionophore and a Lipophilic Dye.. Analytical Sciences, 1997, 13, 429-435. | 1.6 | 12 |
| 125 | Ion-sensitive and selective active waveguide optodes. Analytica Chimica Acta, 1997, 342, 31-39. | 5.4 | 42 |
| 126 | Active optical thin-film waveguide sensor for ion sensing. Analytica Chimica Acta, 1997, 343, 199-208. | 5.4 | 20 |

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|-----|---|-----|-----------|
| 127 | Design and Synthesis of Sodium Ion-Selective Ionophores Based on 16-Crown-5 Derivatives for an Ion-Selective Electrode. <i>Analytical Chemistry</i> , 1996, 68, 208-215. | 6.5 | 77 |
| 128 | Theory and Practice of Rapid Flow-Through Analysis Based on Optode Detection and Its Application to pH Measurement as a Model Case. <i>Analytical Chemistry</i> , 1996, 68, 3871-3878. | 6.5 | 23 |
| 129 | Structural Ion Selectivity of Thia Crown Ether Compounds with a Bulky Block Subunit and Their Application as an Ion-Sensing Component for an Ion-Selective Electrode. <i>Analytical Chemistry</i> , 1996, 68, 4166-4172. | 6.5 | 109 |
| 130 | Anion selective polymeric membrane electrodes based on metallocenes. <i>Analytica Chimica Acta</i> , 1995, 304, 171-176. | 5.4 | 56 |
| 131 | Ion sensing film optodes: disposable ion sensing probes for the determination of Na ⁺ , K ⁺ , Ca ²⁺ and Cl ⁻ concentrations in serum. <i>Sensors and Actuators B: Chemical</i> , 1995, 29, 378-385. | 7.8 | 67 |
| 132 | Silver Ion Selective Optodes Based on Novel Thia Ether Compounds. <i>Analytical Chemistry</i> , 1995, 67, 1315-1321. | 6.5 | 43 |
| 133 | Design and Synthesis of Calcium and Magnesium Ionophores Based on Double-Armed Diazacrown Ether Compounds and Their Application to an Ion Sensing Component for an Ion-Selective Electrode. <i>Analytical Chemistry</i> , 1995, 67, 324-334. | 6.5 | 99 |
| 134 | Flow-through type calcium ion selective optodes based on novel neutral ionophores and a lipophilic anionic dye. <i>Analytica Chimica Acta</i> , 1994, 299, 179-187. | 5.4 | 36 |
| 135 | Flow-through Type Chloride Ion Selective Optodes Based on Lipophilic Organometallic Chloride Adducts and a Lipophilic Anionic Dye.. <i>Analytical Sciences</i> , 1994, 10, 615-622. | 1.6 | 22 |
| 136 | Novel Ammonium Ionophores Based on Glycol Dibenzyl Ethers for an Ion-Selective Electrode. <i>Chemistry Letters</i> , 1994, 23, 945-948. | 1.3 | 15 |
| 137 | Design and synthesis of highly selective ionophores for lithium ion based on 14-crown-4 derivatives for an ion-selective electrode. <i>Analytical Chemistry</i> , 1993, 65, 3404-3410. | 6.5 | 103 |
| 138 | Lithium ion selective optical fiber sensor based on a novel neutral ionophore and a lipophilic anionic dye. <i>Analytical Chemistry</i> , 1993, 65, 2704-2710. | 6.5 | 59 |