# Tatsuro Endo

## List of Publications by Year in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 129 papers | 3,332 citations | 201674 27 h-index | 155660 55 g-index |
| 131 all docs | 131 docs citations | 131 times ranked | 3641 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Multiple Label-Free Detection of Antigenâ^'Antibody Reaction Using Localized Surface Plasmon Resonance-Based Coreâ^'Shell Structured Nanoparticle Layer Nanochip. Analytical Chemistry, 2006, 78, 6465-6475. | 6.5 | 337 |
| 2 | Label-Free Detection of Peptide Nucleic Acidâ^'DNA Hybridization Using Localized Surface Plasmon Resonance Based Optical Biosensor. Analytical Chemistry, 2005, 77, 6976-6984. | 6.5 | 311 |
| 3 | Label-Free DNA Biosensor Based on Localized Surface Plasmon Resonance Coupled with Interferometry. Analytical Chemistry, 2007, 79, 1855-1864. | 6.5 | 144 |
| 4 | A localized surface plasmon resonance based immunosensor for the detection of casein in milk. Science and Technology of Advanced Materials, 2007, 8, 331-338. | 6.1 | 137 |
| 5 | A novel enhancement assay for immunochromatographic test strips using gold nanoparticles. Analytical and Bioanalytical Chemistry, 2006, 385, 1414-1420. | 3.7 | 134 |
| 6 | Stimuli-responsive hydrogelâ€“silver nanoparticles composite for development of localized surface plasmon resonance-based optical biosensor. Analytica Chimica Acta, 2008, 611, 205-211. | 5.4 | 119 |
| 7 | Localized surface plasmon resonance based optical biosensor using surface modified nanoparticle layer for label-free monitoring of antigenâ€“antibody reaction. Science and Technology of Advanced Materials, 2005, 6, 491-500. | 6.1 | 118 |
| 8 | Colorimetric detection of volatile organic compounds using a colloidal crystal-based chemical sensor for environmental applications. Sensors and Actuators B: Chemical, 2007, 125, 589-595. | 7.8 | 116 |
| 9 | Quantum dot-based immunosensor for the detection of prostate-specific antigen using fluorescence microscopy. Talanta, 2007, 71, 1494-1499. | 5.5 | 104 |
| 10 | Au nanoparticle-modified DNA sensor based on simultaneous electrochemical impedance spectroscopy and localized surface plasmon resonance. Biosensors and Bioelectronics, 2014, 53, 513-518. | 10.1 | 81 |
| 11 | Super-sensitivity in label-free protein sensing using a nanoslot nanolaser. Optics Express, 2011, 19, 17683. | 3.4 | 79 |
| 12 | Gold Nanoparticleâ€Based Redox Signal Enhancement for Sensitive Detection of Human Chorionic Gonadotropin Hormone. Electroanalysis, 2008, 20, 14-21. | 2.9 | 77 |
| 13 | Gold nanoparticle-based novel enhancement method for the development of highly sensitive immunochromatographic test strips. Science and Technology of Advanced Materials, 2006, 7, 270-275. | 6.1 | 74 |
| 14 | Quantitative determination of hydrogen peroxide using polymer coated Ag nanoparticles. Measurement: Journal of the International Measurement Confederation, 2008, 41, 1045-1053. | 5.0 | 71 |
| 15 | Label-free cell-based assay using localized surface plasmon resonance biosensor. Analytica Chimica Acta, 2008, 614, 182-189. | 5.4 | 70 |
| 16 | On-chip micro-flow polystyrene bead-based immunoassay for quantitative detection of tacrolimus (FK506). Analytical Biochemistry, 2004, 334, 111-116. | 2.4 | 69 |
| 17 | Reflectometric detection of influenza virus in human saliva using nanoimprint lithography-based flexible two-dimensional photonic crystal biosensor. Sensors and Actuators B: Chemical, 2010, 148, 269-276. | 7.8 | 69 |
| 18 | Label-Free Detection of Melittin Binding to a Membrane Using Electrochemical-Localized Surface Plasmon Resonance. Analytical Chemistry, 2008, 80, 1859-1864. | 6.5 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fluorescence-based assay with enzyme amplification on a micro-flow immunosensor chip for monitoring coplanar polychlorinated biphenyls. Analytica Chimica Acta, 2005, 531, 7-13. | 5.4 | 54 |
| 20 | Optical-transparent and flexible glucose sensor with ITO electrode. Biosensors and Bioelectronics, 2003, 19, 67-71. | 10.1 | 53 |
| 21 | Rapid and sensitive visual detection of residual pesticides in food using acetylcholinesterase-based disposable membrane chips. Food Control, 2007, 18, 914-920. | 5.5 | 37 |
| 22 | Photonic crystals on copolymer film for label-free detection of DNA hybridization. Biosensors and Bioelectronics, 2018, 103, 158-162. | 10.1 | 37 |
| 23 | Printed two-dimensional photonic crystals for single-step label-free biosensing of insulin under wet conditions. Lab on A Chip, 2012, 12, 1995. | 6.0 | 33 |
| 24 | 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. Lab on A Chip, 2012, 12, 1522. | 6.0 | 33 |
| 25 | Coreâ€“Shell-Structured Gold Nanocone Array for Label-Free DNA Sensing. ACS Applied Nano Materials, 2019, 2, 4983-4990. | 5.0 | 33 |
| 26 | Gold nanoparticle based immunochromatography using a resin modified micropipette tip for rapid and simple detection of human chorionic gonadotropin hormone and prostate-specific antigen. Science and Technology of Advanced Materials, 2006, 7, 276-281. | 6.1 | 32 |
| 27 | Signal amplified two-dimensional photonic crystal biosensor immobilized with glyco-nanoparticles. Journal of Materials Chemistry B, 2014, 2, 3324-3332. | 5.8 | 27 |
| 28 | Localized surface plasmon resonance optical characteristics for hydrogen peroxide using polyvinylpyrrolidone coated silver nanoparticles. Materials Letters, 2010, 64, 2105-2108. | 2.6 | 26 |
| 29 | Combinable poly(dimethyl siloxane) capillary sensor array for single-step and multiple enzyme inhibitor assays. Lab on A Chip, 2012, 12, 204-208. | 6.0 | 26 |
| 30 | A single-step enzyme immunoassay capillary sensor composed of functional multilayer coatings for the diagnosis of marker proteins. Analyst, The, 2015, 140, 1459-1465. | 3.5 | 25 |
| 31 | Fabrication of core-shell structured nanoparticle layer substrate for excitation of localized surface plasmon resonance and its optical response for DNA in aqueous conditions. Analytica Chimica Acta, 2010, 661, 200-205. | 5.4 | 24 |
| 32 | Plasticized Poly(vinyl chloride)-Based Photonic Crystal for Ion Sensing. Analytical Chemistry, 2014, 86, 11986-11991. | 6.5 | 23 |
| 33 | Labelâ€free optical detection of Câ€reactive protein by nanoimprint lithographyâ€based 2Dâ€photonic crystal film. Biotechnology Journal, 2016, 11, 831-837. | 3.5 | 23 |
| 34 | Capillary-based enzyme-linked immunosorbent assay for highly sensitive detection of thrombin-cleaved osteopontin in plasma. Analytical Biochemistry, 2013, 440, 137-141. | 2.4 | 22 |
| 35 | Resin-based micropipette tip for immunochromatographic assays in urine samples. Journal of Immunological Methods, 2006, 312, 54-60. | 1.4 | 21 |
| 36 | Integration of neuraminidase inhibitor assay into a single-step operation using a combinable poly(dimethylsiloxane) capillary sensor. Analyst, The, 2013, 138, 3158. | 3.5 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Fabrication of gold-deposited plasmonic crystal based on nanoimprint lithography for label-free biosensing application. Japanese Journal of Applied Physics, 2016, 55, 08RE02. | 1.5 | 21 |
| 38 | Excitation of localized surface plasmon resonance using a coreâ€“shell structured nanoparticle layer substrate and its application for label-free detection of biomolecular interactions. Journal of Physics Condensed Matter, 2007, 19, 215201. | 1.8 | 20 |
| 39 | Uniform Niâ€“P Film Using an Electroless Plating Method with an Emulsion of Supercritical Carbon Dioxide. Journal of the Electrochemical Society, 2007, 154, E91. | 2.9 | 20 |
| 40 | Metallization on polymer by catalyzation in supercritical CO2 and electroless plating in dense CO2 emulsion. Surface and Coatings Technology, 2008, 202, 3921-3926. | 4.8 | 20 |
| 41 | Open-type capillary-assembled microchip for rapid, single-step, simultaneous multi-component analysis of serum sample. RSC Advances, 2012, 2, 9525. | 3.6 | 20 |
| 42 | Enhancement of the fluorescence intensity of DNA intercalators using nano-imprinted 2-dimensional photonic crystal. Mikrochimica Acta, 2013, 180, 929-934. | 5.0 | 19 |
| 43 | Photonic crystals on copolymer film for bacteria detection. Biosensors and Bioelectronics, 2013, 41, 354-358. | 10.1 | 19 |
| 44 | Study of electrical field distribution of gold-capped nanoparticle for excitation of localized surface plasmon resonance. Applied Surface Science, 2011, 257, 2560-2566. | 6.1 | 17 |
| 45 | Single-Step Sandwich Immunoreaction in a Square Glass Capillary Immobilizing Capture and Enzyme-linked Antibodies for Simplified Enzyme-linked Immunosorbent Assay. Analytical Sciences, 2012, 28, 51. | 1.6 | 17 |
| 46 | Fast and single-step immunoassay based on fluorescence quenching within a square glass capillary immobilizing graphene oxideâ€“antibody conjugate and fluorescently labelled antibody. Analyst, The, 2016, 141, 3389-3394. | 3.5 | 17 |
| 47 | Nanostructured biochip for label-free and real-time optical detection of polymerase chain reaction. Analytica Chimica Acta, 2010, 661, 111-116. | 5.4 | 16 |
| 48 | Advancements in Capillary-Assembled Microchip (CAs-CHIP) Development for Multiple Analyte Sensing and Microchip Electrophoresis. Analytical Sciences, 2014, 30, 7-15. | 1.6 | 16 |
| 49 | Ionic liquid-based dye: A â€œDyed plasticizerâ€•for rapid and highly sensitive anion optodes based on a plasticized PVC membrane. Sensors and Actuators B: Chemical, 2018, 258, 1125-1130. | 7.8 | 16 |
| 50 | 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. Lab on A Chip, 2013, 13, 4304. | 6.0 | 15 |
| 51 | Imprinted Photonic Crystal-Film-Based Smartphone-Compatible Label-Free Optical Sensor for SARS-CoV-2 Testing. Biosensors, 2022, 12, 200. | 4.7 | 15 |
| 52 | Development of Novel Protease Assay Device Using a Nanoimprinted Two-dimensional Photonic Crystal. Chemistry Letters, 2014, 43, 1728-1730. | 1.3 | 14 |
| 53 | Lipophilic Fluorescent Dye Liquids: FÃ¶rster Resonance Energy Transfer-Based Fluorescence Amplification for Ion Selective Optical Sensors Based on a Solvent Polymeric Membrane. Analytical Chemistry, 2021, 93, 4143-4148. | 6.5 | 14 |
| 54 | Photonic Crystal Nanolaser Biosensors. IEICE Transactions on Electronics, 2012, E95-C, 188-198. | 0.6 | 13 |

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|---|---|---|---|
| 55 | Efficient immobilization of the enzyme and substrate for a single-step caspase-3 inhibitor assay using a combinable PDMS capillary sensor array. RSC Advances, 2014, 4, 7682-7687. | 3.6 | 13 |
| 56 | Development of optical biosensor based on photonic crystal made of TiO<sub>2</sub> using liquid phase deposition. Japanese Journal of Applied Physics, 2016, 55, 08RE01. | 1.5 | 13 |
| 57 | Development of a polymer/TiO2 hybrid two-dimensional photonic crystal for highly sensitive fluorescence-based ion sensing applications. Sensors and Actuators B: Chemical, 2018, 269, 257-263. | 7.8 | 13 |
| 58 | Fabrication of Optical Devices Based on Printable Photonics Technology and Its Application for Biosensor. IEEJ Transactions on Sensors and Micromachines, 2010, 130, 450-451. | 0.1 | 13 |
| 59 | Novel fluorescent probe for highly sensitive bioassay using sequential enzyme-linked immunosorbent assay-capillary isoelectric focusing (ELISA-cIEF). Analyst, The, 2013, 138, 3139. | 3.5 | 12 |
| 60 | A lipophilic ionic liquid-based dye for anion optodes: importance of dye lipophilicity and application to heparin measurement. Analyst, The, 2020, 145, 5430-5437. | 3.5 | 12 |
| 61 | Size Sorting of Exosomes by Tuning the Thicknesses of the Electric Double Layers on a Micro-Nanofluidic Device. Micromachines, 2020, 11, 458. | 2.9 | 12 |
| 62 | A sensitive immunochromatographic assay using gold nanoparticles for the semiquantitative detection of prostate-specific antigen in serum. Nanobiotechnology, 2006, 2, 79-86. | 1.2 | 11 |
| 63 | Highly Sensitive and Multiple Enzyme Activity Assay Using Reagent-release Capillary-Isoelectric Focusing with Rhodamine 110-based Substrates. Analytical Sciences, 2015, 31, 1155-1161. | 1.6 | 10 |
| 64 | Fabrication and packaging of a mass-producible capillary-assembled microchip for simple and multiplexed bioassay. Sensors and Actuators B: Chemical, 2015, 218, 245-252. | 7.8 | 10 |
| 65 | Polymer-based Photonic Crystal Cavity Sensor for Optical Detection in the Visible Wavelength Region. Analytical Sciences, 2016, 32, 117-120. | 1.6 | 10 |
| 66 | Double Sweeping: Highly Effective Sample Preconcentration Using Cationic and Anionic Micelles and Its Application to a Multiple Enzyme Activity Assay. Analytical Chemistry, 2017, 89, 6505-6512. | 6.5 | 10 |
| 67 | An ionic liquid composed of purely functional sensing molecules: a colorimetrically calcium responsive ionic liquid. Analyst, The, 2019, 144, 6858-6861. | 3.5 | 10 |
| 68 | Highly sensitive optical ion sensor with ionic liquid-based colorimetric membrane/photonic crystal hybrid structure. Scientific Reports, 2020, 10, 16739. | 3.3 | 10 |
| 69 | Enzyme-responsive Fluorescent Ionic Liquid. Analytical Sciences, 2020, 36, 143-145. | 1.6 | 10 |
| 70 | Fast and Single-step Fluorescence-based Competitive Bioassay Microdevice Combined PDMS Microchannel Arrays Separately Immobilizing Graphene Oxide–Analyte Conjugates and Fluorescently-labelled Receptor Proteins. Analytical Sciences, 2017, 33, 969-972. | 1.6 | 9 |
| 71 | Angle-Sensitive Photonic Crystals for Simultaneous Detection and Photocatalytic Degradation of Hazardous Diazo Compounds. Micromachines, 2020, 11, 93. | 2.9 | 9 |
| 72 | Regioselective Immobilization of a PVC Membrane Composed of an Ionic Liquid-based Dye on Convex-shaped PDMS Surface for Multiplexed Microanalytical Devices. Analytical Sciences, 2018, 34, 517-519. | 1.6 | 8 |

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|---|---|---|---|
| 73 | Enhancement of Thermal Properties of Polyvinylpyrrolidone (PVP)-Coated Silver Nanoparticles by Using Plasmid DNA and their Localized Surface Plasmon Resonance (LSPR) Characteristics. Nanobiotechnology, 2008, 4, 36-42. | 1.2 | 7 |
| 74 | Design and fabrication of a dielectrophoresis-based cell-positioning and cell-culture device for construction of cell networks. Microchemical Journal, 2009, 91, 232-238. | 4.5 | 7 |
| 75 | TiN-contained polymer-metal core-shell structured nanocone array: Engineering of sensor performance by controlling plasmonic properties. Sensors and Actuators B: Chemical, 2019, 299, 126932. | 7.8 | 7 |
| 76 | Template Stripping Method-Based Au Nanoarray for Surface-Enhanced Raman Scattering Detection of Antiepileptic Drug. Micromachines, 2020, 11, 936. | 2.9 | 7 |
| 77 | Development of a single-step immunoassay microdevice based on a graphene oxide-containing hydrogel possessing fluorescence quenching and size separation functions. Analyst, The, 2017, 142, 472-477. | 3.5 | 5 |
| 78 | Origin of the Optical Response of a Dye-doped Plasticized Poly(vinyl chloride)-based Photonic Crystal Ion Sensor. Analytical Sciences, 2017, 33, 1247-1251. | 1.6 | 5 |
| 79 | Enzyme-responsive fluorescent nanoemulsion based on lipophilic dye liquid. Analyst, The, 2021, 146, 4121-4124. | 3.5 | 5 |
| 80 | Direct Observation of Nodule Growth on Electroless Ni-P Deposition in Supercritical CO<sub>2</sub>Emulsion. Journal of the Electrochemical Society, 2011, 159, D114-D118. | 2.9 | 4 |
| 81 | Development of Nanophotonics-based Bioanalytical Devices. Bunseki Kagaku, 2015, 64, 751-757. | 0.2 | 4 |
| 82 | Direct Measurement of Initial Rate of Enzyme Reaction by Electrokinetic Filtration Using a Hydrogel-plugged Capillary Device. Analytical Sciences, 2021, 37, 1439-1446. | 1.6 | 4 |
| 83 | Evaluation of Cell Adhesion Characteristics on the Porous Silicon Substrates with Various Surface Structures. Electrochemistry, 2008, 76, 559-562. | 1.4 | 3 |
| 84 | TiO2-coated 2D photonic crystals for reflectometric determination of malachite green. Mikrochimica Acta, 2019, 186, 844. | 5.0 | 3 |
| 85 | Graphene/polyethylene glycol hybrids for single-step immunoassay microdevice. FlatChem, 2019, 13, 34-39. | 5.6 | 3 |
| 86 | Evaluation of the interactions between oligonucleotides and small molecules by partial fillingâ€“nonequilibrium affinity capillary electrophoresis. Analytical Sciences, 2022, 38, 851-859. | 1.6 | 3 |
| 87 | DNA Binding and Bending Protein-Based DNA Actuator and its Practical Realization. Nanobiotechnology, 2008, 4, 43-49. | 1.2 | 2 |
| 88 | Design and fabrication of cell alignment device based on electrolytically-generated air bubbles, and its practical realization using polystyrene microbeads. Mikrochimica Acta, 2009, 164, 263-268. | 5.0 | 2 |
| 89 | High sensitivity biosensing using nano-slot nanolaser. , 2010, , . | | 2 |
| 90 | A Simple and Rapid Immunoassay Based on Microchip Electrophoresis Using a Reagent-Release Cartridge. Chromatography, 2016, 37, 29-33. | 1.7 | 2 |

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|---|---|---|---|
| 91 | Effectiveness of surface enhanced Raman spectroscopy of tear fluid with soft substrate for point-of-care therapeutic drug monitoring. Proceedings of SPIE, 2016, , . | 0.8 | 2 |
| 92 | Label-Free Optical Detection of Fibrinogen in Visible Region Using Nanoimprint Lithography-Based Two-Dimensional Photonic Crystal. IEICE Transactions on Electronics, 2017, E100.C, 166-170. | 0.6 | 2 |
| 93 | Design and Fabrication of a Visible-Light-Compatible, Polymer-Based Photonic Crystal Resonator and Waveguide for Sensing Applications. Micromachines, 2018, 9, 410. | 2.9 | 2 |
| 94 | Development of a Rapid and Highly Sensitive Plasticized PVC Membrane Optode Utilizing an Ionic Liquid Material Composed of Bromothymol Blue. Bunseki Kagaku, 2019, 68, 945-951. | 0.2 | 2 |
| 95 | Inkjet Printing-Based Immobilization Method for a Single-Step and Homogeneous Competitive Immunoassay in Microchannel Arrays. Frontiers in Chemistry, 2020, 8, 612132. | 3.6 | 2 |
| 96 | Fractionation of Single-stranded DNAs with/without Stable Preorganized Structures Using Capillary Sieving Electrophoresis for Aptamer Selection. Analytical Sciences, 2021, 37, 799-802. | 1.6 | 2 |
| 97 | Development of Plasmonic Chemical Sensor for Detection of Aldehyde Compounds. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 372-373. | 0.1 | 2 |
| 98 | Development of Microchip Electrophoresis-Integrated Nanoimprinted Photonic Crystal. Sensors and Materials, 2015, , . | 0.5 | 2 |
| 99 | Broadband Light Source and Its Application to Near-Infrared Spectroscopy. Sensors and Materials, 2015, , . | 0.5 | 2 |
| 100 | Fabrication of Metal-Insulator-Metal Nanostructures Composed of Au-MgF2-Au and Its Potential in Responding to Two Different Factors in Sample Solutions Using Individual Plasmon Modes. Micromachines, 2022, 13, 257. | 2.9 | 2 |
| 101 | Au nanorods-TiO2 photonic crystal plasmonic-photonic hybrid sensor for label-free detection and identification of DNA molecules with single nucleotide polymorphisms. Sensors and Actuators B: Chemical, 2022, 361, 131747. | 7.8 | 2 |
| 102 | Localized surface plasmon resonance based label-free optical biosensor for monitoring peptide nucleic acid-DNA hybridization. , 0, , . | | 1 |
| 103 | Photonic crystal based optical chemical sensor for environmental monitoring. , 2007, , . | | 1 |
| 104 | Design and Fabrication of Nanostructures Based on DNA Ringâ€“Protein Complex. Japanese Journal of Applied Physics, 2008, 47, 4810-4814. | 1.5 | 1 |
| 105 | Functionalized polymer-based photonic devices for biosensing application. , 2017, , . | | 1 |
| 106 | Development of Element Technology for 1 STEP Biomarker Protein Analysis Device Using Silver Nanoparticleâ€“Contained Hydrogel and Reagentâ€Immobilized Cartridge. Electronics and Communications in Japan, 2017, 100, 45-53. | 0.5 | 1 |
| 107 | Smart Golden Leaves Fabricated by Integrating Au Nanoparticles and Cellulose Nanofibers. ChemNanoMat, 2019, 5, 581-585. | 2.8 | 1 |
| 108 | Single-step Trypsin Inhibitor Assay on a Microchannel Array Device Immobilizing Enzymes and Fluorescent Substrates by Inkjet Printing. Analytical Sciences, 2021, 37, 1473-1476. | 1.6 | 1 |

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|---|---|---|---|
| 109 | Development of a Single-step Bioassay Microdevice Using a Reagent Immobilization Method Based on Inkjet Printing. Bunseki Kagaku, 2021, 70, 125-131. | 0.2 | 1 |
| 110 | Au "Edged Hole Array" for Sensor Application. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 101-105. | 0.3 | 1 |
| 111 | Development of Cartridge-Based Wash-Free Single-Step Plasmonic Enzyme-Linked Immunosorbent Assay Using Poly(vinylpyrrolidinone)-Coated Silver Nanoparticles as a Chromogenic Substrate. Sensors and Materials, 2017, , 1247. | 0.5 | 1 |
| 112 | Chloride ion-selective dye liquid nanoemulsion: improved sensor performance due to intermolecular interactions between dye and ionophore. Analyst, The, 2022, 147, 1529-1533. | 3.5 | 1 |
| 113 | Quantum dots / TiO2 hybrid photonic crystal: Fabrication and application for highly sensitive and visible region-responsive biosensor. Microelectronic Engineering, 2022, 263, 111842. | 2.4 | 1 |
| 114 | Nanostructure and molecular interface for biosensing devices. Proceedings of SPIE, 2007, , . | 0.8 | 0 |
| 115 | Design and fabrication of DNA-based nanostructures using plasmid-protein complex for bio device. , 2007, , . | | 0 |
| 116 | Label-free Electrochemical-optical Detection of Peptide Toxins Binding to a Membrane Based on Core-Shell Nanoparticles Substrates. ECS Meeting Abstracts, 2008, , . | 0.0 | 0 |
| 117 | Nanoimprinted two-dimensional photonic crystal for detection of fibrinogen using antigen-antibody reaction. , 2015, , . | | 0 |
| 118 | Development of optical biosensor based on photonic crystal made of TiO2 using liquid phase deposition. , 2015, , . | | 0 |
| 119 | Fabrication of gold-deposited plasmonic crystal based on nanoimprint lithography for label-free biosensing application. , 2015, , . | | 0 |
| 120 | Nanoimprint lithography-based plasmonic crystal-surface enhanced Raman scattering substrate for point of care testing application. Proceedings of SPIE, 2017, , . | 0.8 | 0 |
| 121 | A Simple and Easy-to-Use Capillary Isoelectric Focusing Technique Using Reagent-Release Hydrogels. Chromatography, 2017, 38, 79-83. | 1.7 | 0 |
| 122 | Development of High Sensitive Bioanalytical Devices Based on Nanophotonics. The Review of Laser Engineering, 2012, 40, 926. | 0.0 | 0 |
| 123 | Fabrication Electron Beam Lithography Pattern-based Plasmonic Crystal for Sensing Application. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 374-375. | 0.1 | 0 |
| 124 | Localized Surface Plasmon Resonance-Based Biosensor for Label-Free Detection of Biomolecular Interactions. , 2013, , 377-392. | | 0 |
| 125 | Development of Element Technology for 1 STEP Biomarker Protein Analysis Device using Silver Nanoparticle Contained Hydrogel and Reagent Immobilized Cartridge. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 1307-1313. | 0.2 | 0 |
| 126 | Modulating Optical Characteristics of Nanoimprinted Plasmonic Device by Re-Shaping Process of Polymer Mold. Micromachines, 2021, 12, 1323. | 2.9 | 0 |

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|---|---|---|---|
| 127 | Fabrication of Plasmonic Membrane for Sensor Application using Membrane Filter as a Template. IEEJ Transactions on Sensors and Micromachines, 2020, 140, 382-383. | 0.1 | 0 |
| 128 | Fabrication and Characterization of YAG:Ce<sup>3+</sup> Phosphor Powder-Contained Photonic Crystal for Optical Sensor. IEEJ Transactions on Sensors and Micromachines, 2022, 142, 29-30. | 0.1 | 0 |
| 129 | Development of Capillary Devices for Digital Molecular Sieving Electrophoresis. Bunseki Kagaku, 2022, 71, 325-331. | 0.2 | 0 |