Daniel Citterio

List of Publications by Year
in descending order

160 papers	7,289 citations	66234 42 h-index	60497 81 g-index
167 all docs	167 docs citations	167 times ranked	8127 citing authors

#	Article	IF	Citations
1	Inkjet-Printed Microfluidic Multianalyte Chemical Sensing Paper. Analytical Chemistry, 2008, 80, 6928-6934.	3.2	680
2	Paperâ€Based Inkjetâ€Printed Microfluidic Analytical Devices. Angewandte Chemie - International Edition, 2015, 54, 5294-5310.	7.2	419
3	Bright, Color-Tunable Fluorescent Dyes in the Visibleâ^Near-Infrared Region. Journal of the American Chemical Society, 2008, 130, 1550-1551.	6.6	370
4	Toward practical application of paper-based microfluidics for medical diagnostics: state-of-the-art and challenges. Lab on A Chip, 2017, 17, 1206-1249.	3.1	345
5	Bright, Colorâ€Tunable Fluorescent Dyes in the Vis/NIR Region: Establishment of New â€œTailorâ€Madeâ€• Multicolor Fluorophores Based on Borondipyrromethene. Chemistry - A European Journal, 2009, 15, 1096-1106.	1.7	232
6	Gadolinium-Based Hybrid Nanoparticles as a Positive MR Contrast Agent. Journal of the American Chemical Society, 2006, 128, 15090-15091.	6.6	230
7	Single Molecular Multianalyte (Ca2+, Mg2+) Fluorescent Probe and Applications to Bioimaging. Journal of the American Chemical Society, 2005, 127, 10798-10799.	6.6	228
8	Inkjet-printed paperfluidic immuno-chemical sensing device. Analytical and Bioanalytical Chemistry, 2010, 398, 885-893.	1.9	220
9	New Trends in Near-Infrared Fluorophores for Bioimaging. Analytical Sciences, 2014, 30, 327-349.	0.8	157
10	Design and Synthesis of Highly Sensitive and Selective Fluorescein-Derived Magnesium Fluorescent Probes and Application to Intracellular 3D Mg2+ Imaging. Journal of the American Chemical Society, 2004, 126, 16353-16360.	6.6	155
11	Inkjet printed (bio)chemical sensing devices. Analytical and Bioanalytical Chemistry, 2013, 405, 5785-5805.	1.9	141
12	Optical Determination of Low-Level Water Concentrations in Organic Solvents Using Fluorescent Acridinyl Dyes and Dye-Immobilized Polymer Membranes. Analytical Chemistry, 2001, 73, 5339-5345.	3.2	133
13	Design and Synthesis of Mg2+-Selective Fluoroionophores Based on a Coumarin Derivative and Application for Mg2+Measurement in a Living Cell. Analytical Chemistry, 2002, 74, 1423-1428.	3.2	131
14	Inkjet printing: an integrated and green chemical approach to microfluidic paper-based analytical devices. RSC Advances, 2013, 3, 9258.	1.7	130
15	Paperâ€Based Antibody Detection Devices Using Bioluminescent BRETâ€Switching Sensor Proteins. Angewandte Chemie - International Edition, 2018, 57, 15369-15373.	7.2	116
16	Inkjet-Printed Paper-Based Colorimetric Sensor Array for the Discrimination of Volatile Primary Amines. Analytical Chemistry, 2013, 85, 8973-8978.	3.2	110
17	An antibody-free microfluidic paper-based analytical device for the determination of tear fluid lactoferrin by fluorescence sensitization of Tb3+. Analyst, The, 2014, 139, 1637.	1.7	101
18	Distance-Based Tear Lactoferrin Assay on Microfluidic Paper Device Using Interfacial Interactions on Surface-Modified Cellulose. ACS Applied Materials & Interfaces, 2015, 7, 24864-24875.	4.0	98

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19	Fully Inkjet-Printed Paper-Based Potentiometric Ion-Sensing Devices. Analytical Chemistry, 2017, 89, 10608-10616.	3.2	98
20	Design and synthesis of preorganized tripodal fluororeceptors based on hydrogen bonding of thiourea groups for optical phosphate ion sensing. Perkin Transactions II RSC, 2001, , 2309-2313.	1.1	90
21	Highly Sodium-Selective Fluoroionophore Based on Conformational Restriction of Oligoethyleneglycol-Bridged Biaryl Boronâ^'Dipyrromethene. Journal of the American Chemical Society, 2005, 127, 6956-6957.	6.6	86
22	A near-infrared fluorescent calcium probe: a new tool for intracellular multicolour Ca2+ imaging. Chemical Communications, 2011, 47, 10407.	2.2	81
23	Dextran Coated Gadolinium Phosphate Nanoparticles for Magnetic Resonance Tumor Imaging. Journal of Materials Chemistry, 2009, 19, 6393.	6.7	73
24	Fully inkjet-printed distance-based paper microfluidic devices for colorimetric calcium determination using ion-selective optodes. Analyst, The, 2019, 144, 1178-1186.	1.7	73
25	Design and Synthesis of a FlAsH-Type Mg²⁺ Fluorescent Probe for Specific Protein Labeling. Journal of the American Chemical Society, 2014, 136, 2374-2381.	6.6	71
26	pH-Independent Fluorescent Chemosensor for Highly Selective Lithium Ion Sensing. Analytical Chemistry, 2007, 79, 1237-1242.	3.2	70
27	Water-soluble NIR Fluorescent Probes Based on Squaraine and Their Application for Protein Labeling. Analytical Sciences, 2008, 24, 213-217.	0.8	70
28	Text-Displaying Colorimetric Paper-Based Analytical Device. ACS Sensors, 2017, 2, 1247-1254.	4.0	65
29	High-Resolution Microfluidic Paper-Based Analytical Devices for Sub-Microliter Sample Analysis. Micromachines, 2016, 7, 80.	1.4	64
30	Reversible chemical reactions as the basis for optical sensors used to detect amines, alcohols and humidity. Journal of Materials Chemistry, 1999, 9, 2259-2264.	6.7	58
31	â€œDip-and-readâ€•paper-based analytical devices using distance-based detection with color screening. Lab on A Chip, 2018, 18, 1485-1493.	3.1	57
32	Equipment-Free Detection of K⁺ on Microfluidic Paper-Based Analytical Devices Based on Exhaustive Replacement with Ionic Dye in Ion-selective Capillary Sensors. ACS Sensors, 2019, 4, 670-677.	4.0	57
33	A novel luciferin-based bright chemiluminescent probe for the detection of reactive oxygen species. Chemical Communications, 2009, , 3047.	2.2	55
34	Near IR Emitting Red-Shifting Ratiometric Fluorophores Based on Borondipyrromethene. Organic Letters, 2015, 17, 3022-3025.	2.4	54
35	Ionophore-Based Lithium Ion Film Optode Realizing Multiple Color Variations Utilizing Digital Color Analysis. Analytical Chemistry, 2002, 74, 5766-5773.	3.2	53
36	Single Molecular Multianalyte Sensor:â€‰ Jewel Pendant Ligand. Organic Letters, 2005, 7, 2857-2859.	2.4	53

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37	Fluororeceptor for zwitterionic form amino acids in aqueous methanol solution. Tetrahedron Letters, 2002, 43, 7243-7245.	0.7	52
38	Metal-Free Colorimetric Detection of Pyrophosphate Ions by Inhibitive Nanozymatic Carbon Dots. ACS Sensors, 2020, 5, 1314-1324.	4.0	52
39	Thread-Based Bioluminescent Sensor for Detecting Multiple Antibodies in a Single Drop of Whole Blood. ACS Sensors, 2020, 5, 1786-1794.	4.0	52
40	Integrated optical sensors based on refractometry of ion-selective membranes. Sensors and Actuators B: Chemical, 1995, 29, 277-285.	4.0	50
41	Development of chromogenic reactands for optical sensing of alcohols. Sensors and Actuators B: Chemical, 1998, 49, 226-234.	4.0	49
42	Newly Developed Mg2+â€“Selective Fluorescent Probe Enables Visualization of Mg2+ Dynamics in Mitochondria. PLoS ONE, 2011, 6, e23684.	1.1	48
43	Implementation of a plasticized PVC-based cation-selective optode system into a paper-based analytical device for colorimetric sodium detection. Analyst, The, 2018, 143, 678-686.	1.7	43
44	Highly Durable Double Solâ€“Gel Layer Ratiometric Fluorescent pH Optode Based on the Combination of Two Types of Quantum Dots and Absorbing pH Indicators. Analytical Chemistry, 2012, 84, 10650-10656.	3.2	42
45	Bioluminescent coelenterazine derivatives with imidazopyrazinone C-6 extended substitution. Chemical Communications, 2015, 51, 391-394.	2.2	42
46	Paper-Based Device for Naked Eye Urinary Albumin/Creatinine Ratio Evaluation. ACS Sensors, 2020, 5, 1110-1118.	4.0	42
47	Application of an Absorption-Based Surface Plasmon Resonance Principle to the Development of SPR Ammonium Ion and Enzyme Sensors. Analytical Chemistry, 2002, 74, 6106-6110.	3.2	39
48	Novel 15-crown-5 ether or Î²-diketone incorporated gadolinium complexes for the detection of potassium ions or magnesium and calcium ions. Analyst, The, 2007, 132, 1153.	1.7	39
49	Smart Taste Sensors. Analytical Chemistry, 2008, 80, 3965-3972.	3.2	38
50	Quantitative evaluation of analyte transport on microfluidic paper-based analytical devices (Î¼PADs). Analyst, The, 2018, 143, 643-653.	1.7	37
51	l-Glutamate biosensor for estimation of the taste of tomato specimens. Analytical and Bioanalytical Chemistry, 2006, 386, 220-227.	1.9	36
52	A novel and innovative paper-based analytical device for assessing tear lactoferrin of dry eye patients. Ocular Surface, 2019, 17, 160-166.	2.2	36
53	â€œDrop-slipâ€•bulk sample flow on fully inkjet-printed microfluidic paper-based analytical device. Sensors and Actuators B: Chemical, 2017, 244, 1129-1137.	4.0	34
54	Text-Displaying Semiquantitative Competitive Lateral Flow Immunoassay Relying on Inkjet-Printed Patterns. ACS Sensors, 2020, 5, 2076-2085.	4.0	34

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55	Selective Detection of K⁺ by Ion-Selective Optode Nanoparticles on Cellulosic Filter Paper Substrates. ACS Applied Nano Materials, 2018, 1, 1792-1800.	2.4	33
56	Structural characteristics and optical properties of a series of solvatochromic fluorescent dyes displaying long-wavelength emission. Dyes and Pigments, 2009, 83, 198-206.	2.0	32
57	Paper-Based Analytical Device for Zinc Ion Quantification in Water Samples with Power-Free Analyte Concentration. Micromachines, 2017, 8, 127.	1.4	31
58	Highly bright and stable NIR-BRET with blue-shifted coelenterazine derivatives for deep-tissue imaging of molecular events in vivo. Theranostics, 2019, 9, 2646-2661.	4.6	31
59	Ring-Fused Firefly Luciferins: Expanded Palette of Near-Infrared Emitting Bioluminescent Substrates. Analytical Chemistry, 2020, 92, 4235-4243.	3.2	31
60	Quantification of Ternary Mixtures of Heavy Metal Cations from Metallochromic Absorbance Spectra Using Neural Network Inversion. Analytical Chemistry, 2004, 76, 5726-5733.	3.2	29
61	A highly Li+-selective glass optode based on fluorescence ratiometry. Analyst, The, 2009, 134, 2314.	1.7	29
62	Near-Infrared Fluorescent Probes for Imaging of Intracellular Mg²⁺ and Application to Multi-Color Imaging of Mg²⁺, ATP, and Mitochondrial Membrane Potential. Analytical Chemistry, 2020, 92, 966-974.	3.2	29
63	Microfluidic Paper-Based Analytical Devices for Colorimetric Detection of Lactoferrin. SLAS Technology, 2020, 25, 47-57.	1.0	28
64	Chemometrics-assisted microfluidic paper-based analytical device for the determination of uric acid by silver nanoparticle plasmon resonance. Analytical and Bioanalytical Chemistry, 2018, 410, 2305-2313.	1.9	27
65	Organic tin compounds combined with anionic additivesâ€"an ionophore system leading to a phosphate ion-selective electrode?. Talanta, 2004, 63, 131-134.	2.9	26
66	Luciferase-Specific Coelenterazine Analogues for Optical Contamination-Free Bioassays. Scientific Reports, 2017, 7, 908.	1.6	26
67	Disposable electrochemical biosensor based on surface-modified screen-printed electrodes for organophosphorus pesticide analysis. Analytical Methods, 2019, 11, 3439-3445.	1.3	25
68	Observation of Silver and Hydrogen Ion Binding to Self-Assembled Monolayers Using Chemically Modified AFM Tips. Langmuir, 1999, 15, 2788-2793.	1.6	23
69	Gold nanoparticle coreâ€"europium(iii) chelate fluorophore-doped silica shell hybrid nanocomposites for the lateral flow immunoassay of human thyroid stimulating hormone with a dual signal readout. Analyst, The, 2018, 143, 564-570.	1.7	23
70	Azide- and Dye-Conjugated Coelenterazine Analogues for a Multiplex Molecular Imaging Platform. Bioconjugate Chemistry, 2018, 29, 1922-1931.	1.8	23
71	Centrifugal Paperfluidic Platform for Accelerated Distance-Based Colorimetric Signal Readout. Analytical Chemistry, 2020, 92, 4749-4754.	3.2	23
72	An oxo-bacteriochlorin derivative for long-wavelength fluorescence ratiometric alcohol sensing. Analyst, The, 2010, 135, 2334.	1.7	22

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73	Highly Sensitive Bioluminescent Probe for Thiol Detection in Living Cells. Chemistry - an Asian Journal, 2018, 13, 648-655.	1.7	22
74	A Squaraine-based Near-infrared Dye with Bright Fluorescence and Solvatochromic Property. Chemistry Letters, 2007, 36, 1424-1425.	0.7	21
75	Continuous monitoring of ethanol for bioprocess control by a chemical sensor. Journal of Biotechnology, 1996, 50, 37-46.	1.9	20
76	Fabrication of a New Lineage of Artificial Luciferases from Natural Luciferase Pools. ACS Combinatorial Science, 2017, 19, 594-599.	3.8	20
77	Smart Chemical Taste Sensor for Determination and Prediction of Taste Qualities Based on a Two-Phase Optimized Radial Basis Function Network. Analytical Chemistry, 2005, 77, 7908-7915.	3.2	19
78	SPR sensor signal amplification based on dye-doped polymer particles. Science and Technology of Advanced Materials, 2006, 7, 150-155.	2.8	19
79	Biothiol-Activatable Bioluminescent Coelenterazine Derivative for Molecular Imaging in Vitro and in Vivo. Analytical Chemistry, 2019, 91, 9546-9553.	3.2	19
80	All-printed semiquantitative paper-based analytical devices relying on QR code array readout. Analyst, The, 2020, 145, 6071-6078.	1.7	18
81	Molecular design, characterization, and application of multiinformation dyes for optical chemical sensing. Analytica Chimica Acta, 2003, 482, 19-28.	2.6	17
82	Chromogenic betaine lariates for highly selective calcium ion sensing in aqueous environment. Analytica Chimica Acta, 2004, 504, 227-234.	2.6	17
83	Design and Synthesis of Labeling Reagents (MS Probes) for Highly Sensitive Electrospray Ionization Mass Spectrometry and Their Application to the Detection of Carbonyl, Alcohol, Carboxylic Acid and Primary Amine Samples. Analytical Sciences, 2004, 20, 475-482.	0.8	17
84	A ratiometric fluorescent pH glass optode based on a boron-dipyrromethene derivative. Sensors and Actuators B: Chemical, 2007, 121, 74-82.	4.0	17
85	An allylated firefly luciferin analogue with luciferase specific response in living cells. Chemical Communications, 2018, 54, 1774-1777.	2.2	17
86	Paperâ€Based Antibody Detection Devices Using Bioluminescent BRETâ€Switching Sensor Proteins. Angewandte Chemie, 2018, 130, 15595-15599.	1.6	17
87	Comparison of Two Molecular Design Strategies for the Development of an Ammonium Ionophore More Highly Selective than Nonactin. Analytical Chemistry, 2002, 74, 4845-4848.	3.2	16
88	Trifluoroacetophenone Derivatives as Amino Acid Selective Ionophores for the Potentiometric Determination of Phenylalanine This work was supported by the Ministry of Education, Science and Culture of Japan and the Kanagawa Academy of Science and Technology (KAST). D.C. gratefully acknowledges a research fellowship granted by the Science and Technology Agency of Japan (STA).. Angewandte Chemie - International Edition, 2002, 41, 3005.	7.2	16
89	Genetically Encoded Molecular Tension Probe for Tracing Proteinâ€“Protein Interactions in Mammalian Cells. Bioconjugate Chemistry, 2016, 27, 354-362.	1.8	16
90	Flow Control-based 3D Î¼PADs for Organophosphate Pesticide Detection. Analytical Sciences, 2019, 35, 393-399.	0.8	16

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91	Wax-Assisted One-Step Enzyme-Linked Immunosorbent Assay on Lateral Flow Test Devices. Analytical Sciences, 2018, 34, 51-56.	0.8	15
92	Nearâ€Infrared Bioluminescence Imaging with a throughâ€Bond Energy Transfer Cassette. ChemBioChem, 2019, 20, 1919-1923.	1.3	15
93	Near-infrared pH responsive heptamethine cyanine platforms: Modulating the proton acceptor. Dyes and Pigments, 2020, 181, 108611.	2.0	15
94	Anion species-triggered antibody separation system utilizing a thermo-responsive polymer column under optimized constant temperature. Colloids and Surfaces B: Biointerfaces, 2021, 205, 111890.	2.5	15
95	Microfluidic thread-based analytical devices for point-of-care detection of therapeutic antibody in blood. Sensors and Actuators B: Chemical, 2022, 352, 131002.	4.0	15
96	Ag3PO4/Ag nanocomposite for selective and sensitive cyanide determination in food samples through catalytical colorimetry using a paper-based test kit. Sensors and Actuators B: Chemical, 2022, 356, 131351.	4.0	15
97	Development of new dyes for use in integrated optical sensors. Analytical and Bioanalytical Chemistry, 1996, 354, 836-840.	1.9	13
98	A Fluorous Biphasic Solvent Extraction System for Lanthanides with a Fluorophilic Î²-Diketone Type Extractant. Analytical Sciences, 2015, 31, 923-928.	0.8	13
99	Inkjet-printed pH-independent paper-based calcium sensor with fluorescence signal readout relying on a solvatochromic dye. Analytical and Bioanalytical Chemistry, 2020, 412, 3489-3497.	1.9	13
100	Acidâ€“base titration using a microfluidic thread-based analytical device (Î¼TAD). Analyst, The, 2020, 145, 4457-4466.	1.7	13
101	Colorimetric paper-based sarcosine assay with improved sensitivity. Analytical and Bioanalytical Chemistry, 2022, 414, 691-701.	1.9	13
102	A Fast-Response pH Optode Based on a Fluoroionophore Immobilized to a Mesoporous Silica Thin Film. Analytical Sciences, 2010, 26, 297-301.	0.8	12
103	Novel fluorescent probe for highly sensitive bioassay using sequential enzyme-linked immunosorbent assay-capillary isoelectric focusing (ELISA-cIEF). Analyst, The, 2013, 138, 3139.	1.7	12
104	Fabrication of paper-based analytical devices optimized by central composite design. Analyst, The, 2018, 143, 2102-2108.	1.7	12
105	Dyes for use in integrated optical sensors. Sensors and Actuators B: Chemical, 1997, 39, 202-206.	4.0	11
106	(Bio)Chemical Sensors Based on Paper. , 2017, , 29-74.		10
107	Printed low-cost microfluidic analytical devices based on a transparent substrate. Analyst, The, 2019, 144, 2746-2754.	1.7	10
108	Chemometric challenges in development of paper-based analytical devices: Optimization and image processing. Analytica Chimica Acta, 2020, 1101, 1-8.	2.6	10

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109	A New Type of Cation Responsive Chromoionophore with Spectral Sensitivity in the Near-Infrared Spectral Range. Chemistry Letters, 2001, 30, 552-553.	0.7	9
110	Fluorescence Enhancement Detection of Underivatized Amino Acids Using a Trifluoroacetophenone-Based Tripodal Fluoroionophore. Chimia, 2005, 59, 204-208.	0.3	9
111	Spirolactam capped cyanine dyes for designing NIR probes to target multiple metal ions. RSC Advances, 2017, 7, 24970-24980.	1.7	9
112	Long-term single cell bioluminescence imaging with C-3 position protected coelenterazine analogues. Organic and Biomolecular Chemistry, 2021, 19, 579-586.	1.5	9
113	<title>Analyte-selective optode membranes and optical evaluation techniques: characterization of response behavior by ATR measurements</title>. , 1995, , .		8
114	From molecular recognition to analytical information using chemical sensors: Development of a combined catheter gastric pH-probe. Electroanalysis, 1995, 7, 859-863.	1.5	8
115	Reduced Dicyanovinyl Dyes:Â A Chromophore To Be Used for Optical Sensing in the Red and Near-Infrared Spectral Range. Analytical Chemistry, 1998, 70, 3452-3457.	3.2	8
116	Planar integrated optical waveguide used as a transducer to yield chemical information: detection of the activity of proteolytic enzymes e.g. serine-proteases. Optics and Lasers in Engineering, 2005, 43, 603-617.	2.0	8
117	Gadolinium Containing Photochromic Micelles as Potential Magnetic Resonance Imaging Traceable Drug Carriers. Photochemistry and Photobiology, 2012, 88, 876-883.	1.3	8
118	Development of UV-Excitable Red and Near-Infrared Fluorescent Labels and Their Application for Simultaneous Multicolor Bioimaging by Single-Wavelength Excitation. Journal of Fluorescence, 2013, 23, 1007-1018.	1.3	8
119	Li+-selective optodes â€“ effect of fluoroionophore distribution in mesoporous silica thin films on Li+ response. RSC Advances, 2013, 3, 6499.	1.7	8
120	Quantitative evaluation of luminescence intensity from enzymatic luminescence reaction of coelenterazine and analogues. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112459.	2.0	8
121	Application of Thiouronium Derivatives as Anion Ionophores for Ion Selective Electrodes. Chemistry Letters, 2001, 30, 382-383.	0.7	7
122	Real-time Monitoring and Detection of Primer Generation-Rolling Circle Amplification of DNA Using an Ethidium Ion-selective Electrode. Analytical Sciences, 2016, 32, 505-510.	0.8	7
123	Click Reaction Based on the Biosynthesis of Firefly Luciferin. Chemistry Letters, 2017, 46, 753-755.	0.7	7
124	A biomimetic hybrid material consisting of CaCO₃ mesoporous microspheres and an alternating copolymer for reversed-phase HPLC. Journal of Materials Chemistry B, 2019, 7, 4771-4777.	2.9	7
125	In vitro Determination of Rapamycin-triggered FKBP-FRB Interactions Using a Molecular Tension Probe. Analytical Sciences, 2019, 35, 71-78.	0.8	7
126	Trifluoroacetophenone Derivatives as Amino Acid Selective Ionophores for the Potentiometric Determination of Phenylalanine This work was supported by the Ministry of Education, Science and Culture of Japan and the Kanagawa Academy of Science and Technology (KAST). D.C. gratefully acknowledges a research fellowship granted by the Science and Technology Agency of Japan (STA).. Angewandte Chemie, 2002, 114, 3131.	1.6	6

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127	Traffic light type paper-based analytical device for intuitive and semi-quantitative naked-eye signal readout. Lab on A Chip, 2022, 22, 717-726.	3.1	6
128	A Series of Furimazine Derivatives for Sustained Live-Cell Bioluminescence Imaging and Application to the Monitoring of Myogenesis at the Single-Cell Level. Bioconjugate Chemistry, 2022, 33, 496-504.	1.8	6
129	Improvement in sensitivity for lateral flow immunoassay of ferritin using novel device design based on gold-enhanced gold nanoparticles. Scientific Reports, 2022, 12, 7831.	1.6	6
130	Organelle-selective near-infrared fluorescent probes for intracellular microenvironment labeling. Dyes and Pigments, 2022, 204, 110424.	2.0	6
131	Molecular Imaging of Retinoic Acids in Live Cells Using Single-Chain Bioluminescence Probes. ACS Combinatorial Science, 2019, 21, 473-481.	3.8	5
132	pH-Responsive Tunable Mixed-Charge Polymers for pH-Selective Interaction with Anionic Biological Constituents. Bulletin of the Chemical Society of Japan, 2020, 93, 547-552.	2.0	5
133	Synthesis of novel Hg2+ receptors based on N-benzyloxyamide derivatives and their application to anion-selective electrodesâ€. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1366-1371.	1.3	4
134	Application of the Absorptionâ€Based Surface Plasmon Resonance Principle to the Determination of Glucose Using an Enzyme Reaction. Instrumentation Science and Technology, 2003, 31, 343-356.	0.9	4
135	Determination of glycosylated albumin using surface plasmon resonance sensor. Bunseki Kagaku, 2003, 52, 311-317.	0.1	4
136	Quartz Crystal Microbalance Sensor Using Ionophore for Ammonium Ion Detection. Journal of Nanoscience and Nanotechnology, 2012, 12, 563-567.	0.9	4
137	Simplified determination of complex stoichiometry for colorimetric metal indicators by inkjet printing. Analyst, The, 2018, 143, 1234-1241.	1.7	4
138	Small Molecule-based Alkaline-earth Metal Ion Fluorescent Probes for Imaging Intracellular and Intercellular Multiple Signals. Chemistry Letters, 2021, 50, 870-887.	0.7	4
139	Synthesis and spectral properties of near-infrared cyanine dyes showing enhanced Stokes shift: A paradigm of ICT dipolar state polymethine chromophoric systems. Journal of Molecular Structure, 2022, 1247, 131381.	1.8	4
140	Nitrogen-doped carbon dots/Ni-MnFe-layered double hydroxides (N-CDs/Ni-MnFe-LDHs) hybrid nanomaterials as immunoassay label for low-density lipoprotein detection. Mikrochimica Acta, 2022, 189, 72.	2.5	4
141	Feasibility of Using Poly[oligo(ethylene glycol) Methyl Ether Methacrylate] as Tumor-Targeted Carriers of Diagnostic Drugs. ACS Applied Polymer Materials, 0, , .	2.0	4
142	Quantitative evaluation of reversed-phase packing material based on calcium carbonate microspheres modified with an alternating copolymer. Journal of Chromatography A, 2022, 1677, 463294.	1.8	4
143	Basic Design and Synthesis of Sulfonated Contrast Agents for Magnetic Resonance Imaging Based on Gadolinium Complexes. Analytical Sciences, 2007, 23, 1159-1165.	0.8	2
144	Cell-based in vivo dual imaging probes using genetically expressed tags and chemical contrast agents. Chemical Communications, 2009, , 4040.	2.2	2

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145	Steric hindrance effects in tripodal ligands for extraction and back-extraction of Ag+. RSC Advances, 2014, 4, 9791.	1.7	2
146	â€œPaper-based Analytical Devicesâ€• Analytical Sciences, 2018, 34, 5-6.	0.8	2
147	Development of Near-Infrared Fluorescent Mg2+ Probe and Application to Multicolor Imaging of Intracellular Signals. Methods in Molecular Biology, 2021, 2274, 217-235.	0.4	2
148	Inkjet Printing of Biomolecules for Biorecognition. , 2015, , 197-235.		1
149	Synthetic Bioluminescent Coelenterazine Derivatives. Methods in Molecular Biology, 2016, 1461, 19-31.	0.4	1
150	Ion-Selective Optodes Integrated Paper-Based Device for Simultaneous Colorimetric Quantification of Salivary Na⁺, K⁺ and Ca²⁺. Bunseki Kagaku, 2021, 70, 165-173.	0.1	1
151	Editorial: Chemical Sensors for Biomedical Use. Frontiers in Chemistry, 2021, 9, 685563.	1.8	1
152	Inkjet-Printed Colorimetric Paper-Based Gas Sensor Arrays for the Discrimination of Volatile Primary Amines with Amine-Responsive Dye-Encapsulating Polymer Nanoparticles. Methods in Molecular Biology, 2019, 2027, 101-114.	0.4	1
153	RÃ¼cktitelbild: Paperâ€Based Antibody Detection Devices Using Bioluminescent BRETâ€Switching Sensor Proteins (Angew. Chem. 47/2018). Angewandte Chemie, 2018, 130, 15834-15834.	1.6	0
154	Paper-Based Microfluidics for Point-of-Care Medical Diagnostics. Bioanalysis, 2019, , 353-382.	0.1	0
155	Equipment-free Detection of K+ on Paper. Chimia, 2019, 73, 944-944.	0.3	0
156	Outstanding Reviewers for Lab on a Chip in 2019. Lab on A Chip, 2020, 20, 2043-2043.	3.1	0
157	Differential Effect of Azetidine Substitution in Firefly Luciferin Analogues. ChemBioChem, 2021, 22, 3067-3074.	1.3	0
158	Basis Optimized RBFN and Initial Input Determination Method in Network Inversion for Analysis of Taste Data. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2009, 21, 392-401.	0.0	0
159	Chemical Sensor. , 2015, , 378-386.		0
160	Fluorescent and Bioluminescent Probes based on Precise Molecular Design. Bunseki Kagaku, 2021, 70, 601-616.	0.1	0