

# Daniel Citterio

## List of Publications by Year in descending order

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160  
papers

7,289  
citations

66315

42  
h-index

60583

81  
g-index

167  
all docs

167  
docs citations

167  
times ranked

8127  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and spectral properties of near-infrared cyanine dyes showing enhanced Stokes shift: A paradigm of ICT dipolar state polymethine chromophoric systems. <i>Journal of Molecular Structure</i> , 2022, 1247, 131381.	1.8	4
2	Colorimetric paper-based sarcosine assay with improved sensitivity. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 691-701.	1.9	13
3	Microfluidic thread-based analytical devices for point-of-care detection of therapeutic antibody in blood. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131002.	4.0	15
4	Ag <sub>3</sub> PO <sub>4</sub> /Ag nanocomposite for selective and sensitive cyanide determination in food samples through catalytical colorimetry using a paper-based test kit. <i>Sensors and Actuators B: Chemical</i> , 2022, 356, 131351.	4.0	15
5	Nitrogen-doped carbon dots/Ni-MnFe-layered double hydroxides (N-CDs/Ni-MnFe-LDHs) hybrid nanomaterials as immunoassay label for low-density lipoprotein detection. <i>Mikrochimica Acta</i> , 2022, 189, 72.	2.5	4
6	Traffic light type paper-based analytical device for intuitive and semi-quantitative naked-eye signal readout. <i>Lab on A Chip</i> , 2022, 22, 717-726.	3.1	6
7	A Series of Furimazine Derivatives for Sustained Live-Cell Bioluminescence Imaging and Application to the Monitoring of Myogenesis at the Single-Cell Level. <i>Bioconjugate Chemistry</i> , 2022, 33, 496-504.	1.8	6
8	Improvement in sensitivity for lateral flow immunoassay of ferritin using novel device design based on gold-enhanced gold nanoparticles. <i>Scientific Reports</i> , 2022, 12, 7831.	1.6	6
9	Organelle-selective near-infrared fluorescent probes for intracellular microenvironment labeling. <i>Dyes and Pigments</i> , 2022, 204, 110424.	2.0	6
10	Quantitative evaluation of reversed-phase packing material based on calcium carbonate microspheres modified with an alternating copolymer. <i>Journal of Chromatography A</i> , 2022, 1677, 463294.	1.8	4
11	Long-term single cell bioluminescence imaging with C-3 position protected coelenterazine analogues. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 579-586.	1.5	9
12	Development of Near-Infrared Fluorescent Mg <sup>2+</sup> Probe and Application to Multicolor Imaging of Intracellular Signals. <i>Methods in Molecular Biology</i> , 2021, 2274, 217-235.	0.4	2
13	Ion-Selective Optodes Integrated Paper-Based Device for Simultaneous Colorimetric Quantification of Salivary Na <sup>+</sup> , K <sup>+</sup> and Ca <sup>2+</sup> . <i>Bunseki Kagaku</i> , 2021, 70, 165-173.	0.1	1
14	Editorial: Chemical Sensors for Biomedical Use. <i>Frontiers in Chemistry</i> , 2021, 9, 685563.	1.8	1
15	Small Molecule-based Alkaline-earth Metal Ion Fluorescent Probes for Imaging Intracellular and Intercellular Multiple Signals. <i>Chemistry Letters</i> , 2021, 50, 870-887.	0.7	4
16	Differential Effect of Azetidone Substitution in Firefly Luciferin Analogues. <i>ChemBioChem</i> , 2021, 22, 3067-3074.	1.3	0
17	Anion species-triggered antibody separation system utilizing a thermo-responsive polymer column under optimized constant temperature. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111890.	2.5	15
18	Fluorescent and Bioluminescent Probes based on Precise Molecular Design. <i>Bunseki Kagaku</i> , 2021, 70, 601-616.	0.1	0

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19	Microfluidic Paper-Based Analytical Devices for Colorimetric Detection of Lactoferrin. <i>SLAS Technology</i> , 2020, 25, 47-57.	1.0	28
20	Near-Infrared Fluorescent Probes for Imaging of Intracellular Mg <sup>2+</sup> and Application to Multi-Color Imaging of Mg <sup>2+</sup> , ATP, and Mitochondrial Membrane Potential. <i>Analytical Chemistry</i> , 2020, 92, 966-974.	3.2	29
21	Inkjet-printed pH-independent paper-based calcium sensor with fluorescence signal readout relying on a solvatochromic dye. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3489-3497.	1.9	13
22	Chemometric challenges in development of paper-based analytical devices: Optimization and image processing. <i>Analytica Chimica Acta</i> , 2020, 1101, 1-8.	2.6	10
23	pH-Responsive Tunable Mixed-Charge Polymers for pH-Selective Interaction with Anionic Biological Constituents. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 547-552.	2.0	5
24	All-printed semiquantitative paper-based analytical devices relying on QR code array readout. <i>Analyst, The</i> , 2020, 145, 6071-6078.	1.7	18
25	Acid-base titration using a microfluidic thread-based analytical device (1/4TAD). <i>Analyst, The</i> , 2020, 145, 4457-4466.	1.7	13
26	Outstanding Reviewers for Lab on a Chip in 2019. <i>Lab on A Chip</i> , 2020, 20, 2043-2043.	3.1	0
27	Text-Displaying Semiquantitative Competitive Lateral Flow Immunoassay Relying on Inkjet-Printed Patterns. <i>ACS Sensors</i> , 2020, 5, 2076-2085.	4.0	34
28	Near-infrared pH responsive heptamethine cyanine platforms: Modulating the proton acceptor. <i>Dyes and Pigments</i> , 2020, 181, 108611.	2.0	15
29	Centrifugal Paperfluidic Platform for Accelerated Distance-Based Colorimetric Signal Readout. <i>Analytical Chemistry</i> , 2020, 92, 4749-4754.	3.2	23
30	Quantitative evaluation of luminescence intensity from enzymatic luminescence reaction of coelenterazine and analogues. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112459.	2.0	8
31	Paper-Based Device for Naked Eye Urinary Albumin/Creatinine Ratio Evaluation. <i>ACS Sensors</i> , 2020, 5, 1110-1118.	4.0	42
32	Ring-Fused Firefly Luciferins: Expanded Palette of Near-Infrared Emitting Bioluminescent Substrates. <i>Analytical Chemistry</i> , 2020, 92, 4235-4243.	3.2	31
33	Metal-Free Colorimetric Detection of Pyrophosphate Ions by Inhibitive Nanozymatic Carbon Dots. <i>ACS Sensors</i> , 2020, 5, 1314-1324.	4.0	52
34	Thread-Based Bioluminescent Sensor for Detecting Multiple Antibodies in a Single Drop of Whole Blood. <i>ACS Sensors</i> , 2020, 5, 1786-1794.	4.0	52
35	Biothiol-Activatable Bioluminescent Coelenterazine Derivative for Molecular Imaging in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 9546-9553.	3.2	19
36	A biomimetic hybrid material consisting of CaCO <sub>3</sub> mesoporous microspheres and an alternating copolymer for reversed-phase HPLC. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4771-4777.	2.9	7

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37	Equipment-Free Detection of $K^{+}$ on Microfluidic Paper-Based Analytical Devices Based on Exhaustive Replacement with Ionic Dye in Ion-selective Capillary Sensors. <i>ACS Sensors</i> , 2019, 4, 670-677.	4.0	57
38	Fully inkjet-printed distance-based paper microfluidic devices for colorimetric calcium determination using ion-selective optodes. <i>Analyst, The</i> , 2019, 144, 1178-1186.	1.7	73
39	Disposable electrochemical biosensor based on surface-modified screen-printed electrodes for organophosphorus pesticide analysis. <i>Analytical Methods</i> , 2019, 11, 3439-3445.	1.3	25
40	Highly bright and stable NIR-BRET with blue-shifted coelenterazine derivatives for deep-tissue imaging of molecular events <i>in vivo</i> . <i>Theranostics</i> , 2019, 9, 2646-2661.	4.6	31
41	Molecular Imaging of Retinoic Acids in Live Cells Using Single-Chain Bioluminescence Probes. <i>ACS Combinatorial Science</i> , 2019, 21, 473-481.	3.8	5
42	Paper-Based Microfluidics for Point-of-Care Medical Diagnostics. <i>Bioanalysis</i> , 2019, , 353-382.	0.1	0
43	Near-Infrared Bioluminescence Imaging with a through-Bond Energy Transfer Cassette. <i>ChemBioChem</i> , 2019, 20, 1919-1923.	1.3	15
44	Flow Control-based 3D $\mu$ PADs for Organophosphate Pesticide Detection. <i>Analytical Sciences</i> , 2019, 35, 393-399.	0.8	16
45	Printed low-cost microfluidic analytical devices based on a transparent substrate. <i>Analyst, The</i> , 2019, 144, 2746-2754.	1.7	10
46	Equipment-free Detection of $K^{+}$ on Paper. <i>Chimia</i> , 2019, 73, 944-944.	0.3	0
47	In vitro Determination of Rapamycin-triggered FKBP-FRB Interactions Using a Molecular Tension Probe. <i>Analytical Sciences</i> , 2019, 35, 71-78.	0.8	7
48	A novel and innovative paper-based analytical device for assessing tear lactoferrin of dry eye patients. <i>Ocular Surface</i> , 2019, 17, 160-166.	2.2	36
49	Inkjet-Printed Colorimetric Paper-Based Gas Sensor Arrays for the Discrimination of Volatile Primary Amines with Amine-Responsive Dye-Encapsulating Polymer Nanoparticles. <i>Methods in Molecular Biology</i> , 2019, 2027, 101-114.	0.4	1
50	"Dip-and-read" paper-based analytical devices using distance-based detection with color screening. <i>Lab on A Chip</i> , 2018, 18, 1485-1493.	3.1	57
51	Selective Detection of $K^{+}$ by Ion-Selective Optode Nanoparticles on Cellulosic Filter Paper Substrates. <i>ACS Applied Nano Materials</i> , 2018, 1, 1792-1800.	2.4	33
52	Simplified determination of complex stoichiometry for colorimetric metal indicators by inkjet printing. <i>Analyst, The</i> , 2018, 143, 1234-1241.	1.7	4
53	Chemometrics-assisted microfluidic paper-based analytical device for the determination of uric acid by silver nanoparticle plasmon resonance. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 2305-2313.	1.9	27
54	Highly Sensitive Bioluminescent Probe for Thiol Detection in Living Cells. <i>Chemistry - an Asian Journal</i> , 2018, 13, 648-655.	1.7	22

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55	An allylated firefly luciferin analogue with luciferase specific response in living cells. <i>Chemical Communications</i> , 2018, 54, 1774-1777.	2.2	17
56	Implementation of a plasticized PVC-based cation-selective optode system into a paper-based analytical device for colorimetric sodium detection. <i>Analyst, The</i> , 2018, 143, 678-686.	1.7	43
57	“Paper-based Analytical Devices”. <i>Analytical Sciences</i> , 2018, 34, 5-6.	0.8	2
58	Fabrication of paper-based analytical devices optimized by central composite design. <i>Analyst, The</i> , 2018, 143, 2102-2108.	1.7	12
59	Gold nanoparticle core–europium(iii) chelate fluorophore-doped silica shell hybrid nanocomposites for the lateral flow immunoassay of human thyroid stimulating hormone with a dual signal readout. <i>Analyst, The</i> , 2018, 143, 564-570.	1.7	23
60	Quantitative evaluation of analyte transport on microfluidic paper-based analytical devices (µPADs). <i>Analyst, The</i> , 2018, 143, 643-653.	1.7	37
61	Review: Paper-Based Antibody Detection Devices Using Bioluminescent BRET-Switching Sensor Proteins ( <i>Angew. Chem.</i> 47/2018). <i>Angewandte Chemie</i> , 2018, 130, 15834-15834.	1.6	0
62	Paper-Based Antibody Detection Devices Using Bioluminescent BRET-Switching Sensor Proteins. <i>Angewandte Chemie</i> , 2018, 130, 15595-15599.	1.6	17
63	Paper-Based Antibody Detection Devices Using Bioluminescent BRET-Switching Sensor Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15369-15373.	7.2	116
64	Wax-Assisted One-Step Enzyme-Linked Immunosorbent Assay on Lateral Flow Test Devices. <i>Analytical Sciences</i> , 2018, 34, 51-56.	0.8	15
65	Azide- and Dye-Conjugated Coelenterazine Analogues for a Multiplex Molecular Imaging Platform. <i>Bioconjugate Chemistry</i> , 2018, 29, 1922-1931.	1.8	23
66	“Drop-slip”-bulk sample flow on fully inkjet-printed microfluidic paper-based analytical device. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 1129-1137.	4.0	34
67	Toward practical application of paper-based microfluidics for medical diagnostics: state-of-the-art and challenges. <i>Lab on A Chip</i> , 2017, 17, 1206-1249.	3.1	345
68	Click Reaction Based on the Biosynthesis of Firefly Luciferin. <i>Chemistry Letters</i> , 2017, 46, 753-755.	0.7	7
69	Spirolactam capped cyanine dyes for designing NIR probes to target multiple metal ions. <i>RSC Advances</i> , 2017, 7, 24970-24980.	1.7	9
70	Fully Inkjet-Printed Paper-Based Potentiometric Ion-Sensing Devices. <i>Analytical Chemistry</i> , 2017, 89, 10608-10616.	3.2	98
71	Fabrication of a New Lineage of Artificial Luciferases from Natural Luciferase Pools. <i>ACS Combinatorial Science</i> , 2017, 19, 594-599.	3.8	20
72	Luciferase-Specific Coelenterazine Analogues for Optical Contamination-Free Bioassays. <i>Scientific Reports</i> , 2017, 7, 908.	1.6	26

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73	Text-Displaying Colorimetric Paper-Based Analytical Device. <i>ACS Sensors</i> , 2017, 2, 1247-1254.	4.0	65
74	(Bio)Chemical Sensors Based on Paper. , 2017, , 29-74.		10
75	Paper-Based Analytical Device for Zinc Ion Quantification in Water Samples with Power-Free Analyte Concentration. <i>Micromachines</i> , 2017, 8, 127.	1.4	31
76	High-Resolution Microfluidic Paper-Based Analytical Devices for Sub-Microliter Sample Analysis. <i>Micromachines</i> , 2016, 7, 80.	1.4	64
77	Real-time Monitoring and Detection of Primer Generation-Rolling Circle Amplification of DNA Using an Ethidium Ion-selective Electrode. <i>Analytical Sciences</i> , 2016, 32, 505-510.	0.8	7
78	Synthetic Bioluminescent Coelenterazine Derivatives. <i>Methods in Molecular Biology</i> , 2016, 1461, 19-31.	0.4	1
79	Genetically Encoded Molecular Tension Probe for Tracing Protein-Protein Interactions in Mammalian Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 354-362.	1.8	16
80	A Fluorous Biphasic Solvent Extraction System for Lanthanides with a Fluorophilic $\beta^2$ -Diketone Type Extractant. <i>Analytical Sciences</i> , 2015, 31, 923-928.	0.8	13
81	Near IR Emitting Red-Shifting Ratiometric Fluorophores Based on Borondipyrromethene. <i>Organic Letters</i> , 2015, 17, 3022-3025.	2.4	54
82	Paper-Based Inkjet-Printed Microfluidic Analytical Devices. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5294-5310.	7.2	419
83	Inkjet Printing of Biomolecules for Biorecognition. , 2015, , 197-235.		1
84	Distance-Based Tear Lactoferrin Assay on Microfluidic Paper Device Using Interfacial Interactions on Surface-Modified Cellulose. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24864-24875.	4.0	98
85	Bioluminescent coelenterazine derivatives with imidazopyrazinone C-6 extended substitution. <i>Chemical Communications</i> , 2015, 51, 391-394.	2.2	42
86	Chemical Sensor. , 2015, , 378-386.		0
87	An antibody-free microfluidic paper-based analytical device for the determination of tear fluid lactoferrin by fluorescence sensitization of Tb <sup>3+</sup> . <i>Analyst</i> , The, 2014, 139, 1637.	1.7	101
88	Steric hindrance effects in tripodal ligands for extraction and back-extraction of Ag <sup>+</sup> . <i>RSC Advances</i> , 2014, 4, 9791.	1.7	2
89	Design and Synthesis of a FIAsh-Type Mg <sup>2+</sup> Fluorescent Probe for Specific Protein Labeling. <i>Journal of the American Chemical Society</i> , 2014, 136, 2374-2381.	6.6	71
90	New Trends in Near-Infrared Fluorophores for Bioimaging. <i>Analytical Sciences</i> , 2014, 30, 327-349.	0.8	157

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91	Development of UV-Excitable Red and Near-Infrared Fluorescent Labels and Their Application for Simultaneous Multicolor Bioimaging by Single-Wavelength Excitation. <i>Journal of Fluorescence</i> , 2013, 23, 1007-1018.	1.3	8
92	Inkjet-Printed Paper-Based Colorimetric Sensor Array for the Discrimination of Volatile Primary Amines. <i>Analytical Chemistry</i> , 2013, 85, 8973-8978.	3.2	110
93	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.	1.7	12
94	Li <sup>+</sup> -selective optodes – effect of fluoroionophore distribution in mesoporous silica thin films on Li <sup>+</sup> response. <i>RSC Advances</i> , 2013, 3, 6499.	1.7	8
95	Inkjet printing: an integrated and green chemical approach to microfluidic paper-based analytical devices. <i>RSC Advances</i> , 2013, 3, 9258.	1.7	130
96	Inkjet printed (bio)chemical sensing devices. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5785-5805.	1.9	141
97	Quartz Crystal Microbalance Sensor Using Ionophore for Ammonium Ion Detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 563-567.	0.9	4
98	Highly Durable Double Sol–Gel Layer Ratiometric Fluorescent pH Optode Based on the Combination of Two Types of Quantum Dots and Absorbing pH Indicators. <i>Analytical Chemistry</i> , 2012, 84, 10650-10656.	3.2	42
99	Gadolinium Containing Photochromic Micelles as Potential Magnetic Resonance Imaging Traceable Drug Carriers. <i>Photochemistry and Photobiology</i> , 2012, 88, 876-883.	1.3	8
100	A near-infrared fluorescent calcium probe: a new tool for intracellular multicolour Ca <sup>2+</sup> imaging. <i>Chemical Communications</i> , 2011, 47, 10407.	2.2	81
101	Newly Developed Mg <sup>2+</sup> -Selective Fluorescent Probe Enables Visualization of Mg <sup>2+</sup> Dynamics in Mitochondria. <i>PLoS ONE</i> , 2011, 6, e23684.	1.1	48
102	A Fast-Response pH Optode Based on a Fluoroionophore Immobilized to a Mesoporous Silica Thin Film. <i>Analytical Sciences</i> , 2010, 26, 297-301.	0.8	12
103	Inkjet-printed paperfluidic immuno-chemical sensing device. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 885-893.	1.9	220
104	An oxo-bacteriochlorin derivative for long-wavelength fluorescence ratiometric alcohol sensing. <i>Analyst, The</i> , 2010, 135, 2334.	1.7	22
105	Bright, Color-Tunable Fluorescent Dyes in the Vis/NIR Region: Establishment of New ‘Tailor-Made’ Multicolor Fluorophores Based on Borondipyromethene. <i>Chemistry - A European Journal</i> , 2009, 15, 1096-1106.	1.7	232
106	Structural characteristics and optical properties of a series of solvatochromic fluorescent dyes displaying long-wavelength emission. <i>Dyes and Pigments</i> , 2009, 83, 198-206.	2.0	32
107	A highly Li <sup>+</sup> -selective glass optode based on fluorescence ratiometry. <i>Analyst, The</i> , 2009, 134, 2314.	1.7	29
108	A novel luciferin-based bright chemiluminescent probe for the detection of reactive oxygen species. <i>Chemical Communications</i> , 2009, , 3047.	2.2	55

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109	Dextran Coated Gadolinium Phosphate Nanoparticles for Magnetic Resonance Tumor Imaging. <i>Journal of Materials Chemistry</i> , 2009, 19, 6393.	6.7	73
110	Cell-based in vivo dual imaging probes using genetically expressed tags and chemical contrast agents. <i>Chemical Communications</i> , 2009, , 4040.	2.2	2
111	Basis Optimized RBFN and Initial Input Determination Method in Network Inversion for Analysis of Taste Data. <i>Journal of Japan Society for Fuzzy Theory and Intelligent Informatics</i> , 2009, 21, 392-401.	0.0	0
112	Bright, Color-Tunable Fluorescent Dyes in the Visible~Near-Infrared Region. <i>Journal of the American Chemical Society</i> , 2008, 130, 1550-1551.	6.6	370
113	Inkjet-Printed Microfluidic Multianalyte Chemical Sensing Paper. <i>Analytical Chemistry</i> , 2008, 80, 6928-6934.	3.2	680
114	Smart Taste Sensors. <i>Analytical Chemistry</i> , 2008, 80, 3965-3972.	3.2	38
115	Water-soluble NIR Fluorescent Probes Based on Squaraine and Their Application for Protein Labeling. <i>Analytical Sciences</i> , 2008, 24, 213-217.	0.8	70
116	Basic Design and Synthesis of Sulfonated Contrast Agents for Magnetic Resonance Imaging Based on Gadolinium Complexes. <i>Analytical Sciences</i> , 2007, 23, 1159-1165.	0.8	2
117	A Squaraine-based Near-infrared Dye with Bright Fluorescence and Solvatochromic Property. <i>Chemistry Letters</i> , 2007, 36, 1424-1425.	0.7	21
118	Novel 15-crown-5 ether or $\beta$ -diketone incorporated gadolinium complexes for the detection of potassium ions or magnesium and calcium ions. <i>Analyst</i> , 2007, 132, 1153.	1.7	39
119	pH-Independent Fluorescent Chemosensor for Highly Selective Lithium Ion Sensing. <i>Analytical Chemistry</i> , 2007, 79, 1237-1242.	3.2	70
120	A ratiometric fluorescent pH glass optode based on a boron-dipyrromethene derivative. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 74-82.	4.0	17
121	Gadolinium-Based Hybrid Nanoparticles as a Positive MR Contrast Agent. <i>Journal of the American Chemical Society</i> , 2006, 128, 15090-15091.	6.6	230
122	SPR sensor signal amplification based on dye-doped polymer particles. <i>Science and Technology of Advanced Materials</i> , 2006, 7, 150-155.	2.8	19
123	L-Glutamate biosensor for estimation of the taste of tomato specimens. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 220-227.	1.9	36
124	Fluorescence Enhancement Detection of Underivatized Amino Acids Using a Trifluoroacetophenone-Based Tripodal Fluoroionophore. <i>Chimia</i> , 2005, 59, 204-208.	0.3	9
125	Planar integrated optical waveguide used as a transducer to yield chemical information: detection of the activity of proteolytic enzymes e.g. serine-proteases. <i>Optics and Lasers in Engineering</i> , 2005, 43, 603-617.	2.0	8
126	Single Molecular Multianalyte Sensor: Jewel Pendant Ligand. <i>Organic Letters</i> , 2005, 7, 2857-2859.	2.4	53



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127	Highly Sodium-Selective Fluoroionophore Based on Conformational Restriction of Oligoethyleneglycol-Bridged Biaryl Boron <sup>+</sup> Dipyrrromethene. <i>Journal of the American Chemical Society</i> , 2005, 127, 6956-6957.	6.6	86
128	Smart Chemical Taste Sensor for Determination and Prediction of Taste Qualities Based on a Two-Phase Optimized Radial Basis Function Network. <i>Analytical Chemistry</i> , 2005, 77, 7908-7915.	3.2	19
129	Single Molecular Multianalyte (Ca <sup>2+</sup> , Mg <sup>2+</sup> ) Fluorescent Probe and Applications to Bioimaging. <i>Journal of the American Chemical Society</i> , 2005, 127, 10798-10799.	6.6	228
130	Chromogenic betaine Iariates for highly selective calcium ion sensing in aqueous environment. <i>Analytica Chimica Acta</i> , 2004, 504, 227-234.	2.6	17
131	Quantification of Ternary Mixtures of Heavy Metal Cations from Metallochromic Absorbance Spectra Using Neural Network Inversion. <i>Analytical Chemistry</i> , 2004, 76, 5726-5733.	3.2	29
132	Organic tin compounds combined with anionic additives <sup>+</sup> an ionophore system leading to a phosphate ion-selective electrode?. <i>Talanta</i> , 2004, 63, 131-134.	2.9	26
133	Design and Synthesis of Highly Sensitive and Selective Fluorescein-Derived Magnesium Fluorescent Probes and Application to Intracellular 3D Mg <sup>2+</sup> Imaging. <i>Journal of the American Chemical Society</i> , 2004, 126, 16353-16360.	6.6	155
134	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. <i>Analytical Sciences</i> , 2004, 20, 475-482.	0.8	17
135	Molecular design, characterization, and application of multiinformation dyes for optical chemical sensing. <i>Analytica Chimica Acta</i> , 2003, 482, 19-28.	2.6	17
136	Application of the Absorption <sup>+</sup> Based Surface Plasmon Resonance Principle to the Determination of Glucose Using an Enzyme Reaction. <i>Instrumentation Science and Technology</i> , 2003, 31, 343-356.	0.9	4
137	Determination of glycosylated albumin using surface plasmon resonance sensor. <i>Bunseki Kagaku</i> , 2003, 52, 311-317.	0.1	4
138	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.	3.2	16
139	Ionophore-Based Lithium Ion Film Optode Realizing Multiple Color Variations Utilizing Digital Color Analysis. <i>Analytical Chemistry</i> , 2002, 74, 5766-5773.	3.2	53
140	Design and Synthesis of Mg <sup>2+</sup> -Selective Fluoroionophores Based on a Coumarin Derivative and Application for Mg <sup>2+</sup> Measurement in a Living Cell. <i>Analytical Chemistry</i> , 2002, 74, 1423-1428.	3.2	131
141	Application of an Absorption-Based Surface Plasmon Resonance Principle to the Development of SPR Ammonium Ion and Enzyme Sensors. <i>Analytical Chemistry</i> , 2002, 74, 6106-6110.	3.2	39
142	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).. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3005.	1.6	6
143	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).. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3005.	7.2	16
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146	Synthesis of novel Hg <sup>2+</sup> receptors based on N-benzyloxyamide derivatives and their application to anion-selective electrodes. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1366-1371.	1.3	4
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160	Feasibility of Using Poly[oligo(ethylene glycol) Methyl Ether Methacrylate] as Tumor-Targeted Carriers of Diagnostic Drugs. <i>ACS Applied Polymer Materials</i> , 0, , .	2.0	4