

Yuki Hiruta

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

1,605
citations

236925

25
h-index

330143

37
g-index

72
all docs

72
docs citations

72
times ranked

2067
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorimetric paper-based sarcosine assay with improved sensitivity. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 691-701.	3.7	13
2	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.	7.8	15
3	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.	6.0	6
4	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.	3.6	6
5	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.	3.7	4
6	Long-term single cell bioluminescence imaging with C-3 position protected coelenterazine analogues. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 579-586.	2.8	9
7	Development of Near-Infrared Fluorescent Mg ²⁺ Probe and Application to Multicolor Imaging of Intracellular Signals. <i>Methods in Molecular Biology</i> , 2021, 2274, 217-235.	0.9	2
8	Distance Readout-Based Paper Device for Multiplexed Urinalysis. <i>Bunseki Kagaku</i> , 2021, 70, 175-181.	0.2	1
9	Ion-Selective Optodes Integrated Paper-Based Device for Simultaneous Colorimetric Quantification of Salivary Na ⁺ , K ⁺ , and Ca ²⁺ . <i>Bunseki Kagaku</i> , 2021, 70, 165-173.	0.2	1
10	Self-Assembly of 2D Nematic and Random Arrays of Sterically Stabilized Nanoscale Rods with and without Evaporation. <i>Langmuir</i> , 2021, 37, 6533-6539.	3.5	2
11	Small Molecule-based Alkaline-earth Metal Ion Fluorescent Probes for Imaging Intracellular and Intercellular Multiple Signals. <i>Chemistry Letters</i> , 2021, 50, 870-887.	1.3	4
12	Differential Effect of Azetidine Substitution in Firefly Luciferin Analogues. <i>ChemBioChem</i> , 2021, 22, 3067-3074.	2.6	0
13	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.	5.0	15
14	Fluorescent and Bioluminescent Probes based on Precise Molecular Design. <i>Bunseki Kagaku</i> , 2021, 70, 601-616.	0.2	0
15	Microfluidic Paper-Based Analytical Devices for Colorimetric Detection of Lactoferrin. <i>SLAS Technology</i> , 2020, 25, 47-57.	1.9	28
16	Near-Infrared Fluorescent Probes for Imaging of Intracellular Mg ²⁺ and Application to Multi-Color Imaging of Mg ²⁺ , ATP, and Mitochondrial Membrane Potential. <i>Analytical Chemistry</i> , 2020, 92, 966-974.	6.5	29
17	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.	3.7	13
18	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.	3.2	5

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19	All-printed semiquantitative paper-based analytical devices relying on QR code array readout. <i>Analyst, The</i> , 2020, 145, 6071-6078.	3.5	18
20	Text-Displaying Semiquantitative Competitive Lateral Flow Immunoassay Relying on Inkjet-Printed Patterns. <i>ACS Sensors</i> , 2020, 5, 2076-2085.	7.8	34
21	Centrifugal Paperfluidic Platform for Accelerated Distance-Based Colorimetric Signal Readout. <i>Analytical Chemistry</i> , 2020, 92, 4749-4754.	6.5	23
22	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.	3.9	8
23	Paper-Based Device for Naked Eye Urinary Albumin/Creatinine Ratio Evaluation. <i>ACS Sensors</i> , 2020, 5, 1110-1118.	7.8	42
24	Ring-Fused Firefly Luciferins: Expanded Palette of Near-Infrared Emitting Bioluminescent Substrates. <i>Analytical Chemistry</i> , 2020, 92, 4235-4243.	6.5	31
25	Metal-Free Colorimetric Detection of Pyrophosphate Ions by Inhibitive Nanozymatic Carbon Dots. <i>ACS Sensors</i> , 2020, 5, 1314-1324.	7.8	52
26	Thread-Based Bioluminescent Sensor for Detecting Multiple Antibodies in a Single Drop of Whole Blood. <i>ACS Sensors</i> , 2020, 5, 1786-1794.	7.8	52
27	Biothiol-Activatable Bioluminescent Coelenterazine Derivative for Molecular Imaging in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2019, 91, 9546-9553.	6.5	19
28	A biomimetic hybrid material consisting of CaCO ₃ mesoporous microspheres and an alternating copolymer for reversed-phase HPLC. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4771-4777.	5.8	7
29	Crosslinked Poly(N-isopropylacrylamide)-Based Microfibers as Cell Manipulation Materials with Prompt Cell Detachment. <i>Macromolecular Rapid Communications</i> , 2019, 40, 1900464.	3.9	10
30	Liposomes with temperature-responsive reversible surface properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 309-316.	5.0	32
31	Fully inkjet-printed distance-based paper microfluidic devices for colorimetric calcium determination using ion-selective optodes. <i>Analyst, The</i> , 2019, 144, 1178-1186.	3.5	73
32	Disposable electrochemical biosensor based on surface-modified screen-printed electrodes for organophosphorus pesticide analysis. <i>Analytical Methods</i> , 2019, 11, 3439-3445.	2.7	25
33	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.	10.0	31
34	Flow Control-based 3D μ PADs for Organophosphate Pesticide Detection. <i>Analytical Sciences</i> , 2019, 35, 393-399.	1.6	16
35	Adsorption-Desorption Control of Fibronectin in Real Time at the Liquid/Polymer Interface on a Quartz Crystal Microbalance by Thermoresponsivity. <i>Biomacromolecules</i> , 2019, 20, 1748-1755.	5.4	15
36	Paper-Based Assay for Ascorbic Acid Based on the Formation of Ag Nanoparticles in Layer-by-Layer Multilayers. <i>ACS Applied Nano Materials</i> , 2019, 2, 241-249.	5.0	12

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55	Rapid and Simultaneous Analysis of Psychotropic Drugs by Ultra-High-Speed HPLC. <i>Bunseki Kagaku</i> , 2016, 65, 173-179.	0.2	1
56	Silver Ion Polyelectrolyte Container as a Sensitive Quartz Crystal Microbalance Gas Detector. <i>Analytical Chemistry</i> , 2016, 88, 10744-10750.	6.5	18
57	Temperature-responsive molecular recognition chromatography using phenylalanine and tryptophan derived polymer modified silica beads. <i>Analyst, The</i> , 2016, 141, 910-917.	3.5	31
58	Temperature-responsive Solid-phase Extraction Column for Biological Sample Pretreatment. <i>Analytical Sciences</i> , 2015, 31, 881-886.	1.6	20
59	Near IR Emitting Red-Shifting Ratiometric Fluorophores Based on Borondipyrromethene. <i>Organic Letters</i> , 2015, 17, 3022-3025.	4.6	54
60	Design of Environmentally Responsive Fluorescent Polymer Probes for Cellular Imaging. <i>Biomacromolecules</i> , 2015, 16, 2356-2362.	5.4	47
61	The effects of anionic electrolytes and human serum albumin on the LCST of poly(N-vinylcarbazole). <i>Biointerfaces</i> , 2015, 132, 299-304.	5.0	49
62	Effects of terminal group and chain length on temperature-responsive chromatography utilizing poly(N-isopropylacrylamide) synthesized via RAFT polymerization. <i>RSC Advances</i> , 2015, 5, 73217-73224.	3.6	19
63	pH/temperature-responsive fluorescence polymer probe with pH-controlled cellular uptake. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 724-731.	7.8	34
64	Steric hindrance effects in tripodal ligands for extraction and back-extraction of Ag ⁺ . <i>RSC Advances</i> , 2014, 4, 9791.	3.6	2
65	Temperature-Responsive Fluorescence Polymer Probes with Accurate Thermally Controlled Cellular Uptakes. <i>ACS Macro Letters</i> , 2014, 3, 281-285.	4.8	76
66	Li ⁺ -selective optodes: effect of fluoroionophore distribution in mesoporous silica thin films on Li ⁺ response. <i>RSC Advances</i> , 2013, 3, 6499.	3.6	8
67	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.	6.5	42
68	A Fast-Response pH Optode Based on a Fluoroionophore Immobilized to a Mesoporous Silica Thin Film. <i>Analytical Sciences</i> , 2010, 26, 297-301.	1.6	12
69	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.	3.7	32
70	A highly Li ⁺ -selective glass optode based on fluorescence ratiometry. <i>Analyst, The</i> , 2009, 134, 2314.	3.5	29
71	Feasibility of Using Poly[oligo(ethylene glycol) Methyl Ether Methacrylate] as Tumor-Targeted Carriers of Diagnostic Drugs. <i>ACS Applied Polymer Materials</i> , 0, , .	4.4	4