

# Yui Sasaki

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

922  
citations

471509

17  
h-index

477307

29  
g-index

51  
all docs

51  
docs citations

51  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective nitrate detection by an enzymatic sensor based on an extended-gate type organic field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2016, 81, 87-91.	10.1	73
2	Chemical Sensing Platforms Based on Organic Thin-Film Transistors Functionalized with Artificial Receptors. <i>ACS Sensors</i> , 2019, 4, 2571-2587.	7.8	62
3	A molecular self-assembled colourimetric chemosensor array for simultaneous detection of metal ions in water. <i>Chemical Communications</i> , 2017, 53, 6561-6564.	4.1	52
4	A mercury ion sensor device based on an organic field effect transistor with an extended-gate modified by dipicolylamine. <i>Chemical Communications</i> , 2015, 51, 17666-17668.	4.1	51
5	Molecular self-assembled chemosensors and their arrays. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213607.	18.8	49
6	Simple Colorimetric Chemosensor Array for Oxyanions: Quantitative Assay for Herbicide Glyphosate. <i>Analytical Chemistry</i> , 2019, 91, 13627-13632.	6.5	46
7	96-Well Microtiter Plate Made of Paper: A Printed Chemosensor Array for Quantitative Detection of Saccharides. <i>Analytical Chemistry</i> , 2021, 93, 1179-1184.	6.5	40
8	Label-Free Direct Electrical Detection of a Histidine-Rich Protein with Sub-Femtomolar Sensitivity using an Organic Field-Effect Transistor. <i>ChemistryOpen</i> , 2017, 6, 472-475.	1.9	35
9	Accurate chiral pattern recognition for amines from just a single chemosensor. <i>Chemical Science</i> , 2020, 11, 3790-3796.	7.4	34
10	An Organic Field-effect Transistor with an Extended-gate Electrode Capable of Detecting Human Immunoglobulin A. <i>Analytical Sciences</i> , 2015, 31, 725-728.	1.6	32
11	Porous microneedles on a paper for screening test of prediabetes. <i>Medical Devices &amp; Sensors</i> , 2020, 3, e10109.	2.7	32
12	An electrolyte-gated polythiophene transistor for the detection of biogenic amines in water. <i>Chemical Communications</i> , 2018, 54, 6907-6910.	4.1	31
13	Simplest Chemosensor Array for Phosphorylated Saccharides. <i>Analytical Chemistry</i> , 2019, 91, 15570-15576.	6.5	30
14	Label-Free Detection of Human Glycoprotein (CgA) Using an Extended-Gated Organic Transistor-Based Immunosensor. <i>Sensors</i> , 2016, 16, 2033.	3.8	29
15	A Saccharide Chemosensor Array Developed Based on an Indicator Displacement Assay Using a Combination of Commercially Available Reagents. <i>Frontiers in Chemistry</i> , 2019, 7, 49.	3.6	23
16	Microfluidic System with Extended-Gate-Type Organic Transistor for Real-Time Glucose Monitoring. <i>ChemElectroChem</i> , 2020, 7, 1332-1336.	3.4	23
17	Development of Enzymatic Sensors Based on Extended-gate-type Organic Field-effect Transistors. <i>Electrochemistry</i> , 2018, 86, 303-308.	1.4	18
18	A Water-Gated Organic Thin-Film Transistor for Glyphosate Detection: A Comparative Study with Fluorescence Sensing. <i>Chemistry - A European Journal</i> , 2020, 26, 14525-14529.	3.3	17

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19	Supramolecular optical sensor arrays for on-site analytical devices. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 51, 100475.	11.6	17
20	Multi-Oxanion Detection by an Organic Field-Effect Transistor with Pattern Recognition Techniques and Its Application to Quantitative Phosphate Sensing in Human Blood Serum. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22903-22911.	8.0	17
21	Development of polymer field-effect transistor-based immunoassays. <i>Polymer Journal</i> , 2019, 51, 1-9.	2.7	16
22	Supramolecular Sensor for Astringent Procyanidin C1: Fluorescent Artificial Tongue for Wine Components. <i>Chemistry - A European Journal</i> , 2020, 26, 16236-16240.	3.3	16
23	Freshness monitoring of raw fish by detecting biogenic amines using a gold nanoparticle-based colorimetric sensor array. <i>RSC Advances</i> , 2022, 12, 6803-6810.	3.6	16
24	An Organic Transistor-based Electrical Assay for Copper(II) in Water. <i>Electrochemistry</i> , 2017, 85, 775-778.	1.4	15
25	A Printed Paper-Based Anion Sensor Array for Multi-Analyte Classification: On-Site Quantification of Glyphosate. <i>ChemPlusChem</i> , 2021, 86, 798-802.	2.8	15
26	Polythiophene-Based Chemical Sensors: Toward On-Site Supramolecular Analytical Devices. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2613-2622.	3.2	15
27	Oxytocin detection at ppt level in human saliva by an extended-gate-type organic field-effect transistor. <i>Analyst, The</i> , 2022, 147, 1055-1059.	3.5	15
28	Easy-to-Prepare Mini-Chemosensor Array for Simultaneous Detection of Cysteine and Glutathione Derivatives. <i>ACS Applied Bio Materials</i> , 2021, 4, 2113-2119.	4.6	14
29	A minimized fluorescent chemosensor array utilizing carboxylate-attached polythiophenes on a chip for metal ions detection. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 72-80.	4.4	13
30	Fluorescence Anion Chemosensor Array Based on Pyrenylboronic Acid. <i>Frontiers in Chemistry</i> , 2020, 8, 414.	3.6	12
31	Toward Food Freshness Monitoring: Coordination Binding-Based Colorimetric Sensor Array for Sulfur-Containing Amino Acids. <i>Frontiers in Chemistry</i> , 2021, 9, 685783.	3.6	11
32	An organic transistor for the selective detection of tropane alkaloids utilizing a molecularly imprinted polymer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 6808-6815.	5.8	9
33	Detection of polyamines by an extended gate-type organic transistor functionalized with a carboxylate attached 1,3,4-thiadiazole derivative. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11690-11697.	5.5	8
34	Printed 384-Well Microtiter Plate on Paper for Fluorescent Chemosensor Arrays in Food Analysis. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	7
35	Facile Indicator Displacement Assay-based Supramolecular Chemosensor: Quantitative Colorimetric Determination of Xylose and Glucose in the Presence of Ascorbic Acid. <i>Chemistry Letters</i> , 2019, 48, 1368-1370.	1.3	6
36	An extended-gate type organic transistor with a solution-processable small molecule semiconductor capable of detecting glutathione in water. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SGGG07.	1.5	5

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37	Protein Assays on Organic Electronics: Rational Device and Material Designs for Organic Transistor-Based Sensors. <i>ChemistryOpen</i> , 2020, 9, 573-581.	1.9	5
38	Indicator Displacement Assay-based Chemosensor Arrays for Saccharides using Off-the-shelf Materials toward Simultaneous On-site Detection on Paper. <i>Chemistry Letters</i> , 2021, 50, 987-995.	1.3	5
39	A microfluidic organic transistor for reversible and real-time monitoring of $H_2O_2$ at ppb/ppt levels in ultrapure water. <i>Chemical Communications</i> , 2022, 58, 5721-5724.	4.1	4
40	Fabrication of Supramolecular Sensor Arrays Using Intramolecular/Intermolecular Interactions. <i>Bunseki Kagaku</i> , 2018, 67, 519-529.	0.2	1
41	A Water-Gated Organic Thin-Film Transistor for Glyphosate Detection: A Comparative Study with Fluorescence Sensing. <i>Chemistry - A European Journal</i> , 2020, 26, 14506-14506.	3.3	1
42	Development of Supramolecular Sensor Devices Based on Organic Transistors. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 1086-1097.	0.1	1
43	Sensitive Detection of Glyphosate by a Water-Gated Organic Transistor. <i>ECS Transactions</i> , 2020, 98, 41-46.	0.5	1
44	Extended-gate-type Organic Field-effect Transistors for the Detection of Potential Psychological Stress Markers. <i>Sensors and Materials</i> , 2021, 33, 211.	0.5	0
45	Toward the Realization of Organic Transistor-Based Ubiquitous Chemical Sensors. <i>Journal of Japan Institute of Electronics Packaging</i> , 2021, 24, 361-368.	0.1	0
46	Sensitive Detection of Glyphosate By a Water-Gated Organic Transistor. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1879-1879.	0.0	0
47	Sensitive Detection of Glyphosate by a Water-Gated Organic Transistor. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3380-3380.	0.0	0
48	On-site Chemosensor Arrays for Qualitative and Quantitative Detection with Imaging Analysis. <i>Bunseki Kagaku</i> , 2021, 70, 691-702.	0.2	0