Tsukuru Minamiki

List of Publications by Year
in descending order

46	1,306	304368 22	344852 36
papers	citations	h-index	g-index

48	48	48	1297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible organic thin-film transistor immunosensor printed on a one-micron-thick film. Communications Materials, 2021, 2, .	2.9	42
2	Real-Time Detection of Glyphosate by a Water-Gated Organic Field-Effect Transistor with a Microfluidic Chamber. Langmuir, 2021, 37, 7305-7311.	1.6	13
3	An extended-gate type organic transistor with a solution-processable small molecule semiconductor capable of detecting glutathione in water. Japanese Journal of Applied Physics, 2020, 59, SGGG07.	0.8	5
4	A Waterâ€Gated Organic Thinâ€Film Transistor for Glyphosate Detection: A Comparative Study with Fluorescence Sensing. Chemistry - A European Journal, 2020, 26, 14506-14506.	1.7	1
5	A Waterâ€Gated Organic Thinâ€Film Transistor for Glyphosate Detection: A Comparative Study with Fluorescence Sensing. Chemistry - A European Journal, 2020, 26, 14525-14529.	1.7	17
6	Protein Assays on Organic Electronics: Rational Device and Material Designs for Organic Transistorâ€Based Sensors. ChemistryOpen, 2020, 9, 573-581.	0.9	5
7	Systematic Investigation of Molecular Recognition Ability in FET-Based Chemical Sensors Functionalized with a Mixed Self-Assembled Monolayer System. ACS Applied Materials & Interfaces, 2020, 12, 15903-15910.	4.0	12
8	Microfluidic System with Extendedâ€Gateâ€Type Organic Transistor for Realâ€Time Glucose Monitoring. ChemElectroChem, 2020, 7, 1332-1336.	1.7	23
9	The Power of Assemblies at Interfaces: Nanosensor Platforms Based on Synthetic Receptor Membranes. Sensors, 2020, 20, 2228.	2.1	7
10	Sensitive Detection of Glyphosate By a Water-Gated Organic Transistor. ECS Meeting Abstracts, 2020, MA2020-01, 1879-1879.	0.0	0
11	Molecular array device and multivariate analysis for biological fluids. Denki Kagaku, 2020, 88, 262-271.	0.0	1
12	Sensitive Detection of Glyphosate by a Water-Gated Organic Transistor. ECS Transactions, 2020, 98, 41-46.	0.3	1
13	Sensitive Detection of Glyphosate by a Water-Gated Organic Transistor. ECS Meeting Abstracts, 2020, MA2020-02, 3380-3380.	0.0	0
14	Development of polymer field-effect transistor-based immunoassays. Polymer Journal, 2019, 51, 1-9.	1.3	16
15	Fabrication of a Flexible Biosensor Based on an Organic Field-effect Transistor for Lactate Detection. Analytical Sciences, 2019, 35, 103-106.	0.8	38
16	Chemical Sensing Platforms Based on Organic Thin-Film Transistors Functionalized with Artificial Receptors. ACS Sensors, 2019, 4, 2571-2587.	4.0	62
17	Potentiometric detection of biogenic amines utilizing affinity on a 4-mercaptobenzoic acid monolayer. Analytical Methods, 2019, 11, 1155-1158.	1.3	14
18	An Organic FET with an Aluminum Oxide Extended Gate for pH Sensing. Sensors and Materials, 2019, 31, 99.	0.3	3

#	Article	IF	Citations
19	Development of Enzymatic Sensors Based on Extended-gate-type Organic Field-effect Transistors. Electrochemistry, 2018, 86, 303-308.	0.6	18
20	An electrolyte-gated polythiophene transistor for the detection of biogenic amines in water. Chemical Communications, 2018, 54, 6907-6910.	2.2	31
21	Development of Organic Thin-film Transistors with Molecular Recognition Ability for Chemical Sensing. Bunseki Kagaku, 2018, 67, 229-237.	0.1	0
22	Development of Supramolecular Sensor Devices Based on Organic Transistors. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 1086-1097.	0.0	1
23	A molecular self-assembled colourimetric chemosensor array for simultaneous detection of metal ions in water. Chemical Communications, 2017, 53, 6561-6564.	2.2	52
24	Label-Free Direct Electrical Detection of a Histidine-Rich Protein with Sub-Femtomolar Sensitivity using an Organic Field-Effect Transistor. ChemistryOpen, 2017, 6, 455-455.	0.9	1
25	Labelâ€Free Direct Electrical Detection of a Histidineâ€Rich Protein with Subâ€Femtomolar Sensitivity using an Organic Fieldâ€Effect Transistor. ChemistryOpen, 2017, 6, 472-475.	0.9	35
26	An Organic Transistor-based Electrical Assay for Copper(II) in Water. Electrochemistry, 2017, 85, 775-778.	0.6	15
27	Label-Free Detection of Human Glycoprotein (CgA) Using an Extended-Gated Organic Transistor-Based Immunosensor. Sensors, 2016, 16, 2033.	2.1	29
28	Detection of mercury(II) ion in water using an organic field-effect transistor with a cysteine-immobilized gold electrode. Japanese Journal of Applied Physics, 2016, 55, 04EL02.	0.8	23
29	Electric Detection of Phosphate Anions in Water by an Extended-gate-type Organic Field-effect Transistor Functionalized with a Zinc(II)â€“Dipicolylamine Derivative. Chemistry Letters, 2016, 45, 371-373.	0.7	17
30	Selective nitrate detection by an enzymatic sensor based on an extended-gate type organic field-effect transistor. Biosensors and Bioelectronics, 2016, 81, 87-91.	5.3	73
31	Antibody- and Label-Free Phosphoprotein Sensor Device Based on an Organic Transistor. Analytical Chemistry, 2016, 88, 1092-1095.	3.2	49
32	An Extended-gate Type Organic FET Based Biosensor for Detecting Biogenic Amines in Aqueous Solution. Analytical Sciences, 2015, 31, 721-724.	0.8	26
33	An Organic Field-effect Transistor with an Extended-gate Electrode Capable of Detecting Human Immunoglobulin A. Analytical Sciences, 2015, 31, 725-728.	0.8	32
34	Biosensors: Printed Organic Transistors with Uniform Electrical Performance and Their Application to Amplifiers in Biosensors (Adv. Electron. Mater. 7/2015). Advanced Electronic Materials, 2015, 1, .	2.6	3
35	Cysteine detection in water using an organic field-effect transistor with a gold extended-gate electrode. Japanese Journal of Applied Physics, 2015, 54, 04DK01.	0.8	10
36	Extended-gate organic field-effect transistor for the detection of histamine in water. Japanese Journal of Applied Physics, 2015, 54, 04DK02.	0.8	16

#	Article	IF	Citations
37	A novel OFET-based biosensor for the selective and sensitive detection of lactate levels. Biosensors and Bioelectronics, 2015, 74, 45-48.	5.3	98
38	Printed Organic Transistors with Uniform Electrical Performance and Their Application to Amplifiers in Biosensors. Advanced Electronic Materials, 2015, 1, 1400052.	2.6	71
39	An anion sensor based on an organic field effect transistor. Chemical Communications, 2015, 51, 9491-9494.	2.2	31
40	A mercury(<scp>ii</scp>) ion sensor device based on an organic field effect transistor with an extended-gate modified by dipicolylamine. Chemical Communications, 2015, 51, 17666-17668.	2.2	51
41	A Label-Free Immunosensor for IgG Based on an Extended-Gate Type Organic Field Effect Transistor. Materials, 2014, 7, 6843-6852.	1.3	53
42	Accurate and reproducible detection of proteins in water using an extended-gate type organic transistor biosensor. Applied Physics Letters, 2014, 104, .	1.5	85
43	An extended-gate type organic field effect transistor functionalised by phenylboronic acid for saccharide detection in water. Chemical Communications, 2014, 50, 15613-15615.	2.2	65
44	Strain sensitivity and durability in p-type and n-type organic thin-film transistors with printed silver electrodes. Scientific Reports, 2013, 3, 2048.	1.6	50
45	syn-/anti-Anthradithiophene Derivative Isomer Effects on Semiconducting Properties. ACS Applied Materials & Interfaces, 2013, 5, 9670-9677.	4.0	65
46	Synthesis, Physical Properties, and Field-Effect Mobility of Isomerically Pure syn-/anti-Anthradithiophene Derivatives. Organic Letters, 2012, 14, 4062-4065.	2.4	46