

Kazuharu Sugawara

List of Publications by Year in descending order

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41
papers

385
citations

933447

10
h-index

839539

18
g-index

41
all docs

41
docs citations

41
times ranked

316
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Assay of Avidin and Biotin Using a Biotin Derivative Labeled with an Electroactive Compound. <i>Analytical Chemistry</i> , 1995, 67, 299-302.	6.5	54
2	Voltammetric Detection of Lectin Using Sugar Labeled with Electroactive Substance.. <i>Analytical Sciences</i> , 2001, 17, 21-25.	1.6	34
3	Glucose sensing by a carbon-paste electrode containing chitin modified with glucose oxidase. <i>Journal of Electroanalytical Chemistry</i> , 2000, 482, 81-86.	3.8	32
4	Electrochemical Sensing of Avidin-Biotin Interaction Using Redox Markers. <i>Electroanalysis</i> , 2000, 12, 1299-1303.	2.9	31
5	Evaluation of Binding Between Electroactive Biotin Derivative and Streptavidin Immobilized on Chitin Film. <i>Electroanalysis</i> , 2005, 17, 1659-1664.	2.9	17
6	Electrochemical Evaluation of the Interaction between Avidin and Biotin at Biotinylated Polypyrrole Electrode Using a Redox Marker. <i>Electroanalysis</i> , 2003, 15, 225-229.	2.9	14
7	Evaluation of concanavalin A's mannose interaction on the electrode covered with collagen film. <i>Talanta</i> , 2006, 68, 1176-1181.	5.5	13
8	Design of an electroactive peptide probe for sensing of a protein. <i>Analytica Chimica Acta</i> , 2015, 890, 143-149.	5.4	13
9	Construction of a peptide with an electroactive daunomycin like a pendant arm to detect ovalbumin. <i>Analytica Chimica Acta</i> , 2015, 857, 71-78.	5.4	12
10	Label-free cytosensing of cancer cells based on the interaction between protein and an electron-transfer carbohydrate-mimetic peptide. <i>Analytica Chimica Acta</i> , 2018, 1040, 166-176.	5.4	12
11	Electrochemically monitoring the binding of concanavalin A and ovalbumin. <i>Talanta</i> , 2011, 85, 425-429.	5.5	11
12	Voltammetric detection of ovalbumin using a peptide labeled with an electroactive compound. <i>Analytica Chimica Acta</i> , 2014, 834, 37-44.	5.4	11
13	A Homogenous Assay of FAD Using a Binding Between Apo-Glucose Oxidase and FAD Labeled with an Electroactive Compound. <i>Electroanalysis</i> , 2006, 18, 1001-1006.	2.9	10
14	Fabrication of micromagnetic beads with molecular recognition/electron-transfer peptides for the sensing of ovalbumin. <i>Analytica Chimica Acta</i> , 2017, 958, 30-37.	5.4	10
15	Magnetic beads modified with an electron-transfer carbohydrate-mimetic peptide for sensing of a galactose-dependent protein. <i>Analytica Chimica Acta</i> , 2018, 1001, 158-167.	5.4	10
16	Voltammetric evaluation for the binding of wheat germ agglutinin to glucosamine-modified magnetic microbead. <i>Talanta</i> , 2007, 72, 1123-1128.	5.5	9
17	Multiplexed Assay for Proteins Based on Sequestration Electrochemistry Using the Protein Binding Electroactive Magnetic Microbeads. <i>Analytical Sciences</i> , 2012, 28, 77-81.	1.6	7
18	Electrochemical assay of concanavalin A's ovalbumin binding on magnetic beads. <i>Analyst</i> , The, 2012, 137, 3781.	3.5	7

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19	Monitoring of the interaction between U937 cells and electroactive daunomycin with an arginine-rich peptide. <i>Bioelectrochemistry</i> , 2015, 105, 95-102.	4.6	7
20	Sensing lymphoma cells based on a cell-penetrating/apoptosis-inducing/electron-transfer peptide probe. <i>Analytica Chimica Acta</i> , 2016, 924, 106-113.	5.4	7
21	Voltammetric sensing of sugar by an electrode covered with wheat germ agglutinin/chitin film. <i>Talanta</i> , 2007, 71, 1637-1641.	5.5	6
22	Electrochemical monitoring of binding between wheat germ agglutinin and cellobiose-modified magnetic microbeads. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 767-772.	3.7	6
23	Fabrication of a cell-recognition/electron-transfer/cross-linker, peptide-immobilized electrode for the sensing of K562 cells. <i>Analytica Chimica Acta</i> , 2020, 1116, 53-61.	5.4	6
24	Voltammetric Evaluation of the Binding between Wheat Germ Agglutinin and Thionine/Glucose-modified Magnetic Microbeads. <i>Analytical Sciences</i> , 2008, 24, 717-720.	1.6	5
25	Voltammetric Detection of Biological Molecules Using Chopped Carbon Fiber. <i>Analytical Sciences</i> , 2010, 26, 1059-1063.	1.6	5
26	Electrochemical sensing of concanavalin A using a non-ionic surfactant with a maltose moiety. <i>Analytica Chimica Acta</i> , 2014, 814, 55-62.	5.4	5
27	Accumulation Voltammetry of MoO ₄ ²⁻ at a Glassy Carbon Electrode Covered with Chitin Film.. <i>Analytical Sciences</i> , 2002, 18, 195-197.	1.6	4
28	Voltammetric Homogeneous Binding Assay of Biotin without a Separation Step Using Iminobiotin Labeled with an Electroactive Compound. <i>Analytical Sciences</i> , 2005, 21, 897-900.	1.6	4
29	Electrochemical Study of Functionalization on the Surface of a Chitin/Platinum-modified Glassy Carbon Paste Electrode. <i>Analytical Sciences</i> , 2009, 25, 1365-1368.	1.6	4
30	Voltammetric Sensing of Phosphoproteins Using a Gallium(III) Acetylacetonate-Modified Carbon Paste Electrode. <i>Analytical Sciences</i> , 2012, 28, 251-251.	1.6	3
31	Construction of an Electrode Modified with Gallium(III) for Voltammetric Detection of Ovalbumin. <i>Analytical Sciences</i> , 2014, 30, 649-655.	1.6	3
32	Design of carbohydrate/electron-transfer peptides for human histocytic lymphoma cell sensing. <i>Analytica Chimica Acta</i> , 2017, 983, 198-205.	5.4	3
33	Electrochemical Sensing of Ovalbumin Based on the Interaction between Lysozyme Origin/Tyrosine-rich Peptides Modified on Magnetic Beads and Oligothreonine/Ovalbumin-origin Peptide. <i>Electroanalysis</i> , 2020, 32, 207-216.	2.9	3
34	Sensitivity of a Glassy Carbon Electrode Covered with a Chitin Film Improved by the Addition of Carbon Powder. <i>Analytical Sciences</i> , 2009, 25, 105-108.	1.6	2
35	Construction of Protein Probe with a His-tag and an Electron-transfer Peptide for a Target Protein Sensing. <i>Electroanalysis</i> , 2021, 33, 975-986.	2.9	2
36	Voltammetric Evaluation of Wheat Germ Agglutinin-Oligosaccharide Binding. <i>Bunseki Kagaku</i> , 2006, 55, 669-674.	0.2	1

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37	Voltammetric Behaviors of Wheat-Germ Agglutinin on a Chitin-modified Carbon-Paste Electrode. <i>Analytical Sciences</i> , 2008, 24, 583-587.	1.6	1
38	Voltammetric Sensing of Soybean Agglutinin Using an Electrode Modified with Electronâ€transfer, Carbohydrateâ€mimetic/Crossâ€linkerâ€peptideâ€collagen Film. <i>Electroanalysis</i> , 2022, 34, 464-473.	2.9	1
39	Electrochemical Evaluation of Protein-Ligand Binding Using an Electrode Covered with Chitin-Chitosan Film. <i>Bunseki Kagaku</i> , 2011, 60, 353-356.	0.2	0
40	Construction of Electrodes Modified with Biopolymers for Biomolecular Sensing. <i>Bunseki Kagaku</i> , 2018, 67, 73-79.	0.2	0
41	Development of Accumulation Voltammetry and Electrochemical Binding Assay using Labelled Ligands . <i>Review of Polarography</i> , 2018, 64, 71-78.	0.1	0