

Yukichi Horiguchi

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

790
citations

687363

13
h-index

642732

23
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26
all docs

26
docs citations

26
times ranked

1141
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-performance waveguide-mode biosensor for detection of factor IX using PEG-based blocking agents to suppress non-specific binding and improve sensitivity. <i>Analyst, The</i> , 2013, 138, 2863.	3.5	123
2	Co-immobilized poly(ethylene glycol)-block-polyamines promote sensitivity and restrict biofouling on gold sensor surface for detecting factor IX in human plasma. <i>Analyst, The</i> , 2014, 139, 3977-3985.	3.5	109
3	Photothermal Reshaping of Gold Nanorods Depends on the Passivating Layers of the Nanorod Surfaces. <i>Langmuir</i> , 2008, 24, 12026-12031.	3.5	96
4	Specific Recognition of Human Influenza Virus with PEDOT Bearing Sialic Acid-Terminated Trisaccharides. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14162-14170.	8.0	75
5	Human influenza virus detection using sialyllactose-functionalized organic electrochemical transistors. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 635-641.	7.8	70
6	Use of boron cluster-containing redox nanoparticles with ROS scavenging ability in boron neutron capture therapy to achieve high therapeutic efficiency and low adverse effects. <i>Biomaterials</i> , 2016, 104, 201-212.	11.4	51
7	Pharmacokinetics of core-polymerized, boron-conjugated micelles designed for boron neutron capture therapy for cancer. <i>Biomaterials</i> , 2012, 33, 3568-3577.	11.4	38
8	Tumor growth suppression by gadolinium-neutron capture therapy using gadolinium-entrapped liposome as gadolinium delivery agent. <i>Biomedicine and Pharmacotherapy</i> , 2013, 67, 451-457.	5.6	30
9	Direct and label-free influenza virus detection based on multisite binding to sialic acid receptors. <i>Biosensors and Bioelectronics</i> , 2017, 92, 234-240.	10.1	29
10	High-Performance Surface Acoustic Wave Immunosensing System on a PEG/Aptamer Hybridized Surface. <i>Langmuir</i> , 2013, 29, 7369-7376.	3.5	27
11	Expression of Plasmid DNA Released from DNA Conjugates of Gold Nanorods. <i>Chemistry Letters</i> , 2007, 36, 952-953.	1.3	26
12	Gd@C82metallofullerenes for neutron capture therapy—fullerene solubilization by poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Technology of Advanced Materials, 2011, 12, 044607.	6.1	26
13	Application of surface enhanced Raman spectroscopy as a diagnostic system for hypersialylated metastatic cancers. <i>Biomaterials</i> , 2017, 134, 143-153.	11.4	24
14	Pulsed-Laser Induced Fragmentation and Dissociation of DNA Immobilized on Gold Nanoparticles. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 445, 201/[491]-206/[496].	0.9	13
15	Photoinduced Release of Oligonucleotide-conjugated Silica-coated Gold Nanorods Accompanied by Moderate Morphological Changes. <i>Chemistry Letters</i> , 2008, 37, 718-719.	1.3	11
16	Gold Nanoparticles with Ligand/Zwitterion Hybrid Layer for Individual Counting of Influenza A H1N1 Subtype Using Resistive Pulse Sensing. <i>Langmuir</i> , 2019, 35, 1798-1806.	3.5	11
17	Intra-tumor distribution of metallofullerene using micro-particle induced X-ray emission (PIXE). <i>Applied Radiation and Isotopes</i> , 2014, 88, 114-117.	1.5	7
18	A Novel Diagnostic System for Infectious Diseases Using Solid-State Nanopore Devices. , 2018, 2018, 2833-2836.		6

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19	Sulfobetaine-terminated PEG improves the qualities of an immunosensing surface. <i>Biomaterials Science</i> , 2014, 2, 819.	5.4	5
20	Preparation of Cationic Gold Nanoparticles in Aqueous Solutions of 2-Aminoethanethiol Hydrochloride. <i>Bunseki Kagaku</i> , 2005, 54, 521-526.	0.2	3
21	pH-responsive Adsorption and Dissociation of Sialic Acid Expressed Protein on Boronic Acid Immobilized Surface. <i>Chemistry Letters</i> , 2021, 50, 1467-1469.	1.3	3
22	Simple functionalization method for single conical pores with a polydopamine layer. <i>Applied Physics Express</i> , 2018, 11, 047001.	2.4	2
23	Surface modification to suppress small pore clogging in resistive pulse sensing. <i>Applied Physics Express</i> , 2020, 13, 115002.	2.4	2
24	Methodology to Detect Biological Particles Using a Biosensing Surface Integrated in Resistive Pulse Sensing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20168-20178.	8.0	2