

Kenshin Takemura

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,103
citations

471509

17
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-functional gold/iron-oxide nanoparticle-CNT hybrid nanomaterial as virus DNA sensing platform. <i>Biosensors and Bioelectronics</i> , 2018, 102, 425-431.	10.1	138
2	Electrical pulse-induced electrochemical biosensor for hepatitis E virus detection. <i>Nature Communications</i> , 2019, 10, 3737.	12.8	137
3	Versatility of a localized surface plasmon resonance-based gold nanoparticle-alloyed quantum dot nanobiosensor for immunofluorescence detection of viruses. <i>Biosensors and Bioelectronics</i> , 2017, 89, 998-1005.	10.1	134
4	Enhanced colorimetric detection of norovirus using in-situ growth of Ag shell on Au NPs. <i>Biosensors and Bioelectronics</i> , 2019, 126, 425-432.	10.1	77
5	Surface Plasmon Resonance (SPR)- and Localized SPR (LSPR)-Based Virus Sensing Systems: Optical Vibration of Nano- and Micro-Metallic Materials for the Development of Next-Generation Virus Detection Technology. <i>Biosensors</i> , 2021, 11, 250.	4.7	60
6	Fluorometric virus detection platform using quantum dots-gold nanocomposites optimizing the linker length variation. <i>Analytica Chimica Acta</i> , 2020, 1109, 148-157.	5.4	59
7	Femtomolar Detection of Dengue Virus DNA with Serotype Identification Ability. <i>Analytical Chemistry</i> , 2018, 90, 12464-12474.	6.5	54
8	Single-step detection of norovirus tuning localized surface plasmon resonance-induced optical signal between gold nanoparticles and quantum dots. <i>Biosensors and Bioelectronics</i> , 2018, 122, 16-24.	10.1	54
9	Dual modality sensor using liposome-based signal amplification technique for ultrasensitive norovirus detection. <i>Biosensors and Bioelectronics</i> , 2020, 157, 112169.	10.1	48
10	Plasmonic/magnetic molybdenum trioxide and graphitic carbon nitride quantum dots-based fluoroimmunosensing system for influenza virus. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128494.	7.8	42
11	Plasmonic Nanomaterial-Based Optical Biosensing Platforms for Virus Detection. <i>Sensors</i> , 2017, 17, 2332.	3.8	39
12	Binary Nanoparticle Graphene Hybrid Structure-Based Highly Sensitive Biosensing Platform for Norovirus-Like Particle Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27298-27304.	8.0	38
13	Controlling distance, size and concentration of nanoconjugates for optimized LSPR based biosensors. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112657.	10.1	34
14	A localized surface plasmon resonance-amplified immunofluorescence biosensor for ultrasensitive and rapid detection of nonstructural protein 1 of Zika virus. <i>PLoS ONE</i> , 2019, 14, e0211517.	2.5	30
15	Ultrasensitive detection of norovirus using a magnetofluoroimmunoassay based on synergic properties of gold/magnetic nanoparticle hybrid nanocomposites and quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126672.	7.8	30
16	Plasmonic/magnetic graphene-based magnetofluoro-immunosensing platform for virus detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 254-261.	7.8	29
17	The detection and identification of dengue virus serotypes with quantum dot and AuNP regulated localized surface plasmon resonance. <i>Nanoscale Advances</i> , 2020, 2, 699-709.	4.6	29
18	Plasmon Nanocomposite-Enhanced Optical and Electrochemical Signals for Sensitive Virus Detection. <i>ACS Sensors</i> , 2021, 6, 2605-2612.	7.8	17

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19	Ni-modified magnetic nanoparticles for affinity purification of His-tagged proteins from the complex matrix of the silkworm fat body. <i>Journal of Nanobiotechnology</i> , 2020, 18, 159.	9.1	15
20	Electrochemical detection of white spot syndrome virus with a silicone rubber disposable electrode composed of graphene quantum dots and gold nanoparticle-embedded polyaniline nanowires. <i>Journal of Nanobiotechnology</i> , 2020, 18, 152.	9.1	11
21	Plasmonic Oleylamine-Capped Gold and Silver Nanoparticle-Assisted Synthesis of Luminescent Alloyed CdZnSeS Quantum Dots. <i>ACS Omega</i> , 2018, 3, 1357-1366.	3.5	9
22	Cargo encapsulated hepatitis E virus-like particles for anti-HEV antibody detection. <i>Biosensors and Bioelectronics</i> , 2021, 185, 113261.	10.1	8
23	High-Density and Monodisperse Electrochemical Gold Nanoparticle Synthesis Utilizing the Properties of Boron-Doped Diamond Electrodes. <i>Nanomaterials</i> , 2022, 12, 1741.	4.1	5
24	Reversible Thermo-Responsive Valve for Microfluidic Paper-Based Analytical Devices. <i>Micromachines</i> , 2022, 13, 690.	2.9	4
25	Preparation of divalent antigen-displaying enveloped virus-like particles using a single recombinant <i>Bombyx mori</i> nucleopolyhedrovirus bacmid in silkworms. <i>Journal of Biotechnology</i> , 2020, 323, 92-97.	3.8	2
26	Fluorometric Sensing Platform Based on Localized Surface Plasmon Resonance using Quantum Dots-Gold Nanocomposites Optimizing the Linker Length Variation. <i>Biophysical Journal</i> , 2020, 118, 316a.	0.5	0