Taisuke Shimada

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4526699/publications.pdf

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18	429	1040056	888059
papers	citations	9	17
		h-index	g-index

18	18	18	863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unveiling massive numbers of cancer-related urinary-microRNA candidates via nanowires. Science Advances, 2017, 3, e1701133.	10.3	170
2	Microfluidic-based capture and release of cancer-derived exosomes via peptideâ€“nanowire hybrid interface. Lab on A Chip, 2021, 21, 597-607.	6.0	56
3	Crystal phase-controlled synthesis of rod-shaped AgInTe₂nanocrystals for in vivo imaging in the near-infrared wavelength region. Nanoscale, 2016, 8, 5435-5440.	5.6	49
4	Micro- and Nanopillar Chips for Continuous Separation of Extracellular Vesicles. Analytical Chemistry, 2019, 91, 6514-6521.	6.5	30
5	Ammonia-Induced Seed Layer Transformations in a Hydrothermal Growth Process of Zinc Oxide Nanowires. Journal of Physical Chemistry C, 2020, 124, 20563-20568.	3.1	18
6	Engineering Nanowire-Mediated Cell Lysis for Microbial Cell Identification. ACS Nano, 2019, 13, 2262-2273.	14.6	17
7	Mechanical Rupture-Based Antibacterial and Cell-Compatible ZnO/SiO2 Nanowire Structures Formed by Bottom-Up Approaches. Micromachines, 2020, 11, 610.	2.9	17
8	Biomolecular recognition on nanowire surfaces modified by the self-assembled monolayer. Lab on A Chip, 2018, 18, 3225-3229.	6.0	15
9	Molecular profiling of extracellular vesicles via charge-based capture using oxide nanowire microfluidics. Biosensors and Bioelectronics, 2021, 194, 113589.	10.1	15
10	Fabrication of a Robust In2O3 Nanolines FET Device as a Biosensor Platform. Micromachines, 2021, 12, 642.	2.9	8
11	Oxide Nanowire Microfluidic Devices for Capturing Single-stranded DNAs. Analytical Sciences, 2021, 37, 1139-1145.	1.6	7
12	Photolithographically Constructed Single ZnO Nanowire Device and Its Ultraviolet Photoresponse. Analytical Sciences, 2020, 36, 1125-1129.	1.6	7
13	PM_{2.5} Particle Detection in a Microfluidic Device by Using Ionic Current Sensing. Analytical Sciences, 2018, 34, 1347-1349.	1.6	6
14	Microheater-integrated zinc oxide nanowire microfluidic device for hybridization-based detection of target single-stranded DNA. Nanotechnology, 2021, 32, 255301.	2.6	6
15	ZnO/SiO₂ core/shell nanowires for capturing CpG rich single-stranded DNAs. Analytical Methods, 2021, 13, 337-344.	2.7	4
16	Water-Selective Nanostructured Dehumidifiers for Molecular Sensing Spaces. ACS Sensors, 2022, 7, 534-544.	7.8	3
17	Analysis and Survey of PM_{2.5} from a Biological Viewpoint at Kyushu University Ito Campus. Bunseki Kagaku, 2020, 69, 741-746.	0.2	1
18	Preparation of Horizontal Miniature TLC Developing Chamber for Ultra-thin Layer Chromatography. Bunseki Kagaku, 2020, 69, 553-558.	0.2	0