

Bor-Ran Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8266338/publications.pdf>

Version: 2024-02-01

26
papers

1,612
citations

516710

16
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon nanowire field-effect transistor-based biosensors for biomedical diagnosis and cellular recording investigation. <i>Nano Today</i> , 2011, 6, 131-154.	11.9	568
2	An Ultrasensitive Nanowire-Transistor Biosensor for Detecting Dopamine Release from Living PC12 Cells under Hypoxic Stimulation. <i>Journal of the American Chemical Society</i> , 2013, 135, 16034-16037.	13.7	206
3	Antifouling strategies in advanced electrochemical sensors and biosensors. <i>Analyst, The</i> , 2020, 145, 1110-1120.	3.5	145
4	Silicon nanowire field-effect-transistor based biosensors: From sensitive to ultra-sensitive. <i>Biosensors and Bioelectronics</i> , 2014, 60, 101-111.	10.1	140
5	Biomolecular recognition with a sensitivity-enhanced nanowire transistor biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 45, 252-259.	10.1	86
6	Wearable hydrogel patch with noninvasive, electrochemical glucose sensor for natural sweat detection. <i>Talanta</i> , 2022, 241, 123187.	5.5	75
7	Noninvasive Glucose Monitoring with a Contact Lens and Smartphone. <i>Sensors</i> , 2018, 18, 3208.	3.8	59
8	Advances in nanowire transistors for biological analysis and cellular investigation. <i>Analyst, The</i> , 2014, 139, 1589.	3.5	52
9	Rapid and Safe Isolation of Human Peripheral Blood B and T Lymphocytes through Spiral Microfluidic Channels. <i>Scientific Reports</i> , 2019, 9, 8145.	3.3	33
10	Rapid purification of lung cancer cells in pleural effusion through spiral microfluidic channels for diagnosis improvement. <i>Lab on A Chip</i> , 2020, 20, 4007-4015.	6.0	30
11	Hand-powered centrifugal microfluidic disc with magnetic chitosan bead-based ELISA for antibody quantitation. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128003.	7.8	30
12	Improved silicon nanowire field-effect transistors for fast protein-protein interaction screening. <i>Lab on A Chip</i> , 2013, 13, 676-684.	6.0	25
13	An antifouling peptide-based biosensor for determination of <i>Streptococcus pneumoniae</i> markers in human serum. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111969.	10.1	22
14	Rapid construction of an effective antifouling layer on a Au surface via electrodeposition. <i>Chemical Communications</i> , 2014, 50, 6793-6796.	4.1	21
15	Rapid Prototyping of an Open-Surface Microfluidic Platform Using Wettability-Patterned Surfaces Prepared by an Atmospheric-Pressure Plasma Jet. <i>ACS Omega</i> , 2019, 4, 16292-16299.	3.5	19
16	Effective Construction of a High-Capacity Boronic Acid Layer on a Quartz Crystal Microbalance Chip for High-Density Antibody Immobilization. <i>Sensors</i> , 2019, 19, 28.	3.8	16
17	Thermopneumatic suction integrated microfluidic blood analysis system. <i>PLoS ONE</i> , 2019, 14, e0208676.	2.5	15
18	Passively driven microfluidic device with simple operation in the development of nanolitre droplet assay in nucleic acid detection. <i>Scientific Reports</i> , 2021, 11, 21019.	3.3	13

#	ARTICLE	IF	CITATIONS
19	A Noninvasive Wearable Device for Real-Time Monitoring of Secretion Sweat Pressure by Digital Display. <i>IScience</i> , 2020, 23, 101658.	4.1	12
20	An l-ascorbate-6-phosphate lactonase from <i>Streptococcus pneumoniae</i> ATCC 49136 strain reveals metallo- β -lactamase activity. <i>International Journal of Antimicrobial Agents</i> , 2016, 47, 416-418.	2.5	9
21	Construction of the Nickel Oxide Nanocoral Structure on Microscope Slides for Total Self-Assembly-Oriented Probe Immobilization and Signal Enhancement. <i>ACS Applied Bio Materials</i> , 2020, 3, 3304-3312.	4.6	9
22	A Novel Metallo- β -Lactamase Involved in the Ampicillin Resistance of <i>Streptococcus pneumoniae</i> ATCC 49136 Strain. <i>PLoS ONE</i> , 2016, 11, e0155905.	2.5	7
23	Fabrication of magnetic liquid marbles using superhydrophobic atmospheric pressure plasma jet-formed fluorinated silica nanocomposites. <i>Journal of Materials Science</i> , 2019, 54, 10179-10190.	3.7	7
24	Rapid construct superhydrophobic microcracks on the open-surface platform for droplet manipulations. <i>Scientific Reports</i> , 2021, 11, 14915.	3.3	7
25	Integration of Ni/NiO nanoparticles and a microfluidic ELISA chip to generate a sensing platform for <i>Streptococcus pneumoniae</i> detection. <i>RSC Advances</i> , 2021, 11, 28551-28556.	3.6	4
26	Gradient Grating Period Guided-Mode Resonance for Potential Biosensing Applications. <i>IEEE Sensors Journal</i> , 2021, 21, 4184-4189.	4.7	2