

Rongke Gao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,012
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1492
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous SERS-based immunoassay of dual cardiac markers on pump-free hybrid microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132378.	7.8	18
2	Celiac Disease Detection From Videocapsule Endoscopy Images Using Strip Principal Component Analysis. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1396-1404.	3.0	15
3	Simultaneous single-cell phenotype analysis of hepatocellular carcinoma CTCs using a SERS-aptamer based microfluidic chip. <i>Lab on A Chip</i> , 2021, 21, 3888-3898.	6.0	29
4	Efficient separation of tumor cells from untreated whole blood using a novel multistage hydrodynamic focusing microfluidics. <i>Talanta</i> , 2020, 207, 120261.	5.5	37
5	Celiac disease diagnosis from videocapsule endoscopy images with residual learning and deep feature extraction. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 187, 105236.	4.7	41
6	A Transparent Vessel-on-a-Chip Device for Hemodynamic Analysis and Early Diagnosis of Intracranial Aneurysms by CFD and PC-MRI. <i>ACS Sensors</i> , 2020, 5, 4064-4071.	7.8	4
7	A SERS stamp: Multiscale coupling effect of silver nanoparticles and highly ordered nano-micro hierarchical substrates for ultrasensitive explosive detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128543.	7.8	31
8	Light trapping induced flexible wrinkled nanocone SERS substrate for highly sensitive explosive detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 314, 128081.	7.8	62
9	Artificial Blood Vessel Frameworks from 3D Printing-Based Super-Assembly as <i>In Vitro</i> Models for Early Diagnosis of Intracranial Aneurysms. <i>Chemistry of Materials</i> , 2020, 32, 3188-3198.	6.7	8
10	Development of a portable and sensitive blood serum test system using LED-based absorption photometry and pump-free microfluidic technology. <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 86-93.	7.8	22
11	SERS-Based Pump-Free Microfluidic Chip for Highly Sensitive Immunoassay of Prostate-Specific Antigen Biomarkers. <i>ACS Sensors</i> , 2019, 4, 938-943.	7.8	86
12	Electrokinetic instabilities in co-flowing ferrofluid and buffer solutions with matched electric conductivities. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	6
13	Simultaneous immunoassays of dual prostate cancer markers using a SERS-based microdroplet channel. <i>Biosensors and Bioelectronics</i> , 2018, 119, 126-133.	10.1	82
14	Dielectric metasurface based high-efficiency polarization splitters. <i>RSC Advances</i> , 2017, 7, 9872-9879.	3.6	65
15	Wash-free magnetic immunoassay of the PSA cancer marker using SERS and droplet microfluidics. <i>Lab on A Chip</i> , 2016, 16, 1022-1029.	6.0	151
16	Fast and sensitive detection of an anthrax biomarker using SERS-based solenoid microfluidic sensor. <i>Biosensors and Bioelectronics</i> , 2015, 72, 230-236.	10.1	84
17	Controlled Formation of Fluorescent Metalloporphyrin-Containing Coordination Polymer Particles from Seed Structures by Designed Shape-Transformation Reactions. <i>Chemistry - A European Journal</i> , 2015, 21, 6682-6685.	3.3	4
18	Real-time analysis of diaquat dibromide monohydrate in water with a SERS-based integrated microdroplet sensor. <i>Nanoscale</i> , 2014, 6, 8781-8786.	5.6	39

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19	Trace analysis of mercury(Hg^{2+}) ions using aptamer-modified Au/Ag core-shell nanoparticles and SERS spectroscopy in a microdroplet channel. <i>Lab on A Chip</i> , 2013, 13, 260-266.	6.0	135
20	Highly sensitive trace analysis of paraquat using a surface-enhanced Raman scattering microdroplet sensor. <i>Analytica Chimica Acta</i> , 2010, 681, 87-91.	5.4	93