

Kinga Zr

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

643
citations

15
h-index

24
g-index

47
ext. papers

810
ext. citations

6.9
avg, IF

3.72
L-index

#	Paper	IF	Citations
46	Open source anaerobic and temperature-controlled model enabling real-time release studies with live bacteria.. <i>HardwareX</i> , 2022 , 11, e00275	2.7	
45	Colon-Specific Delivery of Bioactive Agents Using Genipin-Cross-Linked Chitosan Coated Microcontainers. <i>ACS Applied Bio Materials</i> , 2021 , 4, 752-762	4.1	6
44	X-ray Imaging for Gastrointestinal Tracking of Microscale Oral Drug Delivery Devices. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2538-2547	5.5	3
43	Enhanced Eradication of Mucin-Embedded Bacterial Biofilm by Locally Delivered Antibiotics in Functionalized Microcontainers. <i>Macromolecular Bioscience</i> , 2021 , 21, e2100150	5.5	2
42	Quantification of Methotrexate in Human Serum Using Surface-Enhanced Raman Scattering-Toward Therapeutic Drug Monitoring. <i>ACS Sensors</i> , 2021 , 6, 2664-2673	9.2	2
41	Tissue-based biosensor for monitoring the antioxidant effect of orally administered drugs in the intestine. <i>Bioelectrochemistry</i> , 2021 , 138, 107720	5.6	5
40	Sensing technologies and experimental platforms for the characterization of advanced oral drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021 , 176, 113850	18.5	2
39	Monitoring cell endocytosis of liposomes by real-time electrical impedance spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 6371-6380	4.4	1
38	Development and characterization of a PDMS-based masking method for microfabricated Oral drug delivery devices. <i>Biomedical Microdevices</i> , 2020 , 22, 35	3.7	4
37	High-throughput label-free detection of Ochratoxin A in wine using supported liquid membrane extraction and Ag-capped silicon nanopillar SERS substrates. <i>Food Control</i> , 2020 , 113, 107183	6.2	13
36	Quantitative SERS Assay on a Single Chip Enabled by Electrochemically Assisted Regeneration: A Method for Detection of Melamine in Milk. <i>Analytical Chemistry</i> , 2020 , 92, 4317-4325	7.8	26
35	Cubic Microcontainers Improve In Situ Colonic Mucoadhesion and Absorption of Amoxicillin in Rats. <i>Pharmaceutics</i> , 2020 , 12,	6.4	9
34	Development of an automated flow-based spectrophotometric immunoassay for continuous detection of zearalenone. <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 375-382	2.8	1
33	Bacterial Cell Cultures in a Lab-on-a-Disc: A Simple and Versatile Tool for Quantification of Antibiotic Treatment Efficacy. <i>Analytical Chemistry</i> , 2020 , 92, 13871-13879	7.8	4
32	Simultaneous quantification of multiple bacterial metabolites using surface-enhanced Raman scattering. <i>Analyst, The</i> , 2019 , 144, 1600-1607	5	3
31	Evaluation of the solid state form of tadalafil in sub-micron thin films using nanomechanical infrared spectroscopy. <i>International Journal of Pharmaceutics</i> , 2019 , 565, 227-232	6.5	0
30	Modular, Lightweight, Wireless Potentiostat-on-a-Disc for Electrochemical Detection in Centrifugal Microfluidics. <i>Analytical Chemistry</i> , 2019 , 91, 11620-11628	7.8	11

29	Extraction, Enrichment, and in situ Electrochemical Detection on Lab-on-a-Disc: Monitoring the Production of a Bacterial Secondary Metabolite. <i>ACS Sensors</i> , 2019 , 4, 398-405	9.2	8
28	Injection molded lab-on-a-disc platform for screening of genetically modified E. coli using liquid-liquid extraction and surface enhanced Raman scattering. <i>Lab on A Chip</i> , 2018 , 18, 869-877	7.2	25
27	Cellular Effects and Delivery Propensity of Penetratin Is Influenced by Conjugation to Parathyroid Hormone Fragment 1-34 in Synergy with pH. <i>Bioconjugate Chemistry</i> , 2018 , 29, 371-381	6.3	3
26	Injection-Molded Microfluidic Device for SERS Sensing Using Embedded Au-Capped Polymer Nanocones. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37417-37425	9.5	25
25	Surface Enhanced Raman Scattering for Quantification of p-Coumaric Acid Produced by Escherichia coli. <i>Analytical Chemistry</i> , 2017 , 89, 3981-3987	7.8	20
24	Immobilisation of barley aleurone layers enables parallelisation of assays and analysis of transient gene expression in single cells. <i>Plant Physiology and Biochemistry</i> , 2017 , 118, 71-76	5.4	2
23	Quantification of a bacterial secondary metabolite by SERS combined with SLM extraction for bioprocess monitoring. <i>Analyst, The</i> , 2017 , 142, 4553-4559	5	14
22	Detection of p-coumaric Acid from Cell Supernatant Using Surface Enhanced Raman Scattering. <i>Procedia Technology</i> , 2017 , 27, 190-192		4
21	Large-Scale, Lithography-Free Production of Transparent Nanostructured Surface for Dual-Functional Electrochemical and SERS Sensing. <i>ACS Sensors</i> , 2017 , 2, 1869-1875	9.2	20
20	Lab-on-a-disc platform for screening of genetically modified E. coli cells via cell-free electrochemical detection of p-Coumaric acid. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 999-1005	8.5	25
19	Development and validation of a colorimetric sensor array for fish spoilage monitoring. <i>Food Control</i> , 2016 , 60, 346-352	6.2	123
18	Self-Assembled Peptide Nanostructures for the Development of Electrochemical Biosensors 2016 , 1125-1142		1
17	Comparison of Ultrasonic Welding and Thermal Bonding for the Integration of Thin Film Metal Electrodes in Injection Molded Polymeric Lab-on-Chip Systems for Electrochemistry. <i>Sensors</i> , 2016 , 16,	3.8	8
16	Nanocylinders: Lithography-Free Fabrication of Silica Nanocylinders with Suspended Gold Nanorings for LSPR-Based Sensing (Small 48/2016). <i>Small</i> , 2016 , 12, 6636-6636	11	1
15	Lithography-Free Fabrication of Silica Nanocylinders with Suspended Gold Nanorings for LSPR-Based Sensing. <i>Small</i> , 2016 , 12, 6745-6752	11	21
14	Monitoring intra- and extracellular redox capacity of intact barley aleurone layers responding to phytohormones. <i>Analytical Biochemistry</i> , 2016 , 515, 1-8	3.1	3
13	Interdependence of initial cell density, drug concentration and exposure time revealed by real-time impedance spectroscopic cytotoxicity assay. <i>Analyst, The</i> , 2015 , 140, 3623-9	5	18
12	Impedimetric toxicity assay in microfluidics using free and liposome-encapsulated anticancer drugs. <i>Analytical Chemistry</i> , 2015 , 87, 2204-12	7.8	27

11	Self-Assembled Peptide Nanostructures for the Development of Electrochemical Biosensors 2015 , 1-15		2
10	Pyrolysed 3D-Carbon Scaffolds Induce Spontaneous Differentiation of Human Neural Stem Cells and Facilitate Real-Time Dopamine Detection. <i>Advanced Functional Materials</i> , 2014 , 24, 7042-7052	15.6	47
9	A compact multifunctional microfluidic platform for exploring cellular dynamics in real-time using electrochemical detection. <i>RSC Advances</i> , 2014 , 4, 63761-63771	3.7	15
8	Multichannel bipotentiostat integrated with a microfluidic platform for electrochemical real-time monitoring of cell cultures. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2012 , 6, 498-507	5.1	46
7	Indirect, non-competitive amperometric immunoassay for accurate quantification of calpastatin, a meat tenderness marker, in bovine muscle. <i>Food Chemistry</i> , 2012 , 133, 598-603	8.5	2
6	Development of an electrochemical metal-ion biosensor using self-assembled peptide nanofibrils. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 1594-600	9.5	54
5	Design, development and application of a bioelectrochemical detection system for meat tenderness prediction. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4283-8	11.8	4
4	Development of amperometric immunoassays (AIAs) for calpastatin and β -calpain with possible applications in the biomedical field. <i>Sensors and Actuators B: Chemical</i> , 2011 , 152, 248-253	8.5	
3	Label free capacitive immunosensor for detecting calpastatin--a meat tenderness biomarker. <i>Bioelectrochemistry</i> , 2009 , 76, 93-9	5.6	21
2	High Temporal Resolution Monitoring of Fermentations Using an On-Line Amperometric Flow-Through Microdetector. <i>Electroanalysis</i> , 2007 , 19, 43-48	3	2
1	Increased cell-cell adhesion, a novel effect of R-(-)-deprenyl. <i>Journal of Neural Transmission</i> , 2005 , 112, 1433-45	4.3	10