

Sudkate Chaiyo

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,889
citations

361413

20
h-index

330143

37
g-index

37
all docs

37
docs citations

37
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Lateral Flow Electrochemical Strip for Leptospirosis Diagnosis. <i>Analytical Chemistry</i> , 2022, 94, 2554-2560.	6.5	23
2	Hand-Operated, Paper-Based Rotational Vertical-Flow Immunosensor for the Impedimetric Detection of β -Fetoprotein. <i>Analytical Chemistry</i> , 2022, 94, 5893-5900.	6.5	9
3	Smartphone-based electrochemical analysis integrated with NFC system for the voltammetric detection of heavy metals using a screen-printed graphene electrode. <i>Mikrochimica Acta</i> , 2022, 189, 191.	5.0	11
4	Lateral Flow Immunoassay with a Concave Test Spot for the Determination of Cortisol in Human Serum. <i>Analytical Letters</i> , 2022, 55, 2517-2530.	1.8	5
5	Paper-based electrochemical biosensor for diagnosing COVID-19: Detection of SARS-CoV-2 antibodies and antigen. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112912.	10.1	358
6	A Low-Cost Paper-Based Diamond Electrode for Trace Copper Analysis at On-site Environmental Area. <i>Electroanalysis</i> , 2021, 33, 226-232.	2.9	18
7	Laser engraved microapillary pump paper-based microfluidic device for colorimetric and electrochemical detection of salivary thiocyanate. <i>Mikrochimica Acta</i> , 2021, 188, 140.	5.0	20
8	Sequential electrodeposition of Cu-Pt bimetallic nanocatalysts on boron-doped diamond electrodes for the simple and rapid detection of methanol. <i>Scientific Reports</i> , 2021, 11, 14354.	3.3	5
9	Ultrasensitive electrochemiluminescence sensor based on nitrogen-decorated carbon dots for <i>Listeria monocytogenes</i> determination using a screen-printed carbon electrode. <i>Biosensors and Bioelectronics</i> , 2021, 188, 113323.	10.1	32
10	Industrial Buyer Innovation Adoption Model: A Focus on a Smartphone-Based Electrochemical Analytical Device for Toxic Heavy Metal Detection. <i>Sustainability</i> , 2021, 13, 11718.	3.2	2
11	Simple and Cost-Effective Electrochemical Approach for Monitoring of Vitamin K in Green Vegetables. <i>ChemElectroChem</i> , 2020, 7, 155-162.	3.4	11
12	Enhanced sensitivity and separation for simultaneous determination of tin and lead using paper-based sensors combined with a portable potentiostat. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128241.	7.8	32
13	Paper-based sensors for the application of biological compound detection. <i>Comprehensive Analytical Chemistry</i> , 2020, 89, 31-62.	1.3	8
14	Signal-On electrochemical biosensor based on a competitive immunoassay format for the sensitive determination of oxytetracycline. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128389.	7.8	28
15	Wide electrochemical window of screen-printed electrode for determination of rapamycin using ionic liquid/graphene composites. <i>Mikrochimica Acta</i> , 2020, 187, 245.	5.0	7
16	Colorimetric assay for determination of Cu (II) ions using l-cysteine functionalized silver nanoplates. <i>Microchemical Journal</i> , 2020, 158, 105101.	4.5	15
17	A new ready-to-use gel-based electrolyte for paraquat sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128089.	7.8	20
18	Electrochemical and optical biosensors for biological sensing applications. <i>ScienceAsia</i> , 2020, 46, 245.	0.5	11

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19	Electrochemical detection of NO _x gas based on disposable paper-based analytical device using a copper nanoparticles-modified screen-printed graphene electrode. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111606.	10.1	30
20	Disposable paper-based electrochemical sensor using thiol-terminated poly(2-methacryloyloxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 472.	5.0	43
21	3D Capillary-Driven Paper-Based Sequential Microfluidic Device for Electrochemical Sensing Applications. <i>ACS Sensors</i> , 2019, 4, 1211-1221.	7.8	79
22	Colorimetric sensor for determination of phosphate ions using anti-aggregation of 2-mercaptoethanesulfonate-modified silver nanoplates and europium ions. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 226-232.	7.8	47
23	An origami paper-based electrochemical immunoassay for the α -reactive protein using a screen-printed carbon electrode modified with graphene and gold nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 153.	5.0	85
24	Low-cost and disposable sensors for the simultaneous determination of coenzyme Q10 and γ -lipoic acid using manganese (IV) oxide-modified screen-printed graphene electrodes. <i>Analytica Chimica Acta</i> , 2018, 1004, 22-31.	5.4	42
25	Carbonized electrospun polyvinylpyrrolidone/metal hybrid nanofiber composites for electrochemical applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45639.	2.6	12
26	Non-enzymatic electrochemical detection of glucose with a disposable paper-based sensor using a cobalt phthalocyanine π - π "ionic liquid" graphene composite. <i>Biosensors and Bioelectronics</i> , 2018, 102, 113-120.	10.1	182
27	A novel paper-based colorimetry device for the determination of the albumin to creatinine ratio. <i>Analyst</i> , The, 2018, 143, 5453-5460.	3.5	19
28	Anodic stripping voltammetric determination of total arsenic using a gold nanoparticle-modified boron-doped diamond electrode on a paper-based device. <i>Mikrochimica Acta</i> , 2018, 185, 324.	5.0	61
29	Wiring of glucose oxidase with graphene nanoribbons: an electrochemical third generation glucose biosensor. <i>Mikrochimica Acta</i> , 2017, 184, 1127-1134.	5.0	57
30	High sensitivity and specificity simultaneous determination of lead, cadmium and copper using γ -PAD with dual electrochemical and colorimetric detection. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 540-549.	7.8	113
31	Electrochemical determination of ajmalicine using glassy carbon electrode modified with gold nanoparticles. <i>Monatshefte für Chemie</i> , 2016, 147, 1161-1166.	1.8	4
32	Electrochemical sensors for the simultaneous determination of zinc, cadmium and lead using a Nafion/ionic liquid/graphene composite modified screen-printed carbon electrode. <i>Analytica Chimica Acta</i> , 2016, 918, 26-34.	5.4	206
33	Manganese dioxide-modified carbon paste electrode for voltammetric determination of riboflavin. <i>Mikrochimica Acta</i> , 2016, 183, 1619-1624.	5.0	65
34	Highly selective and sensitive paper-based colorimetric sensor using thiosulfate catalytic etching of silver nanoplates for trace determination of copper ions. <i>Analytica Chimica Acta</i> , 2015, 866, 75-83.	5.4	144
35	Highly sensitive determination of mercury using copper enhancer by diamond electrode coupled with sequential injection π -anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 2014, 852, 55-62.	5.4	24
36	Highly sensitive determination of trace copper in food by adsorptive stripping voltammetry in the presence of 1,10-phenanthroline. <i>Talanta</i> , 2013, 108, 1-6.	5.5	55

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37	Fast Determination of Sudan I-IV in Chili Products Using Automated On-Line Solid Phase Extraction Coupled with Liquid Chromatography-Mass Spectrometry. <i>Analytical Letters</i> , 2013, 46, 1705-1717.	1.8	6