

Christos Kokkinos

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,092
citations

218592

26
h-index

233338

45
g-index

54
all docs

54
docs citations

54
times ranked

2294
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully drawn electrochemical paper-based glucose biosensors fabricated by a high-throughput dual-step pen-on-paper approach with commercial writing stationery. <i>Sensors and Actuators B: Chemical</i> , 2022, 358, 131546.	4.0	14
2	Wearable Electronic Finger for Date Rape Drugs Screening: From "Do-It-Yourself" Fabrication to Self-Testing. <i>Analytical Chemistry</i> , 2022, 94, 4087-4094.	3.2	14
3	Graphite paste sensor modified with a Cu(II)-complex for the enzyme-free simultaneous voltammetric determination of glucose and uric acid in sweat. <i>Journal of Electroanalytical Chemistry</i> , 2022, 917, 116393.	1.9	10
4	Plot-on-demand integrated paper-based sensors for drop-volume voltammetric monitoring of Pb(II) and Cd(II) using a bismuth nanoparticle-modified electrode. <i>Mikrochimica Acta</i> , 2022, 189, .	2.5	8
5	Smartphone-Addressable 3D-Printed Electrochemical Ring for Nonenzymatic Self-Monitoring of Glucose in Human Sweat. <i>Analytical Chemistry</i> , 2021, 93, 3331-3336.	3.2	79
6	3D Printed Bioelectronic Microwells. <i>Advanced Functional Materials</i> , 2021, 31, 2102459.	7.8	15
7	3D printed microcell featuring a disposable nanocomposite Sb/Sn immunosensor for quantum dot-based electrochemical determination of adulteration of ewe/goat's cheese with cow's milk. <i>Sensors and Actuators B: Chemical</i> , 2021, 334, 129614.	4.0	14
8	3D-printed fluidic electrochemical microcell for sequential injection/stripping analysis of heavy metals. <i>Analytica Chimica Acta</i> , 2021, 1159, 338426.	2.6	9
9	Voltammetric Determination of Trace Heavy Metals by Sequential Injection Analysis at Plastic Fluidic Chips with Integrated Carbon Fiber-based Electrodes. <i>Electroanalysis</i> , 2021, 33, 1930-1935.	1.5	1
10	Fully Integrated 3D-Printed Electronic Device for the On-Field Determination of Antipsychotic Drug Quetiapine. <i>Sensors</i> , 2021, 21, 4753.	2.1	7
11	3D printed enzymatic microchip for multiplexed electrochemical biosensing. <i>Analytica Chimica Acta</i> , 2021, 1186, 339114.	2.6	16
12	Single-Use Fluidic Electrochemical Paper-Based Analytical Devices Fabricated by Pen Plotting and Screen-Printing for On-Site Rapid Voltammetric Monitoring of Pb(II) and Cd(II). <i>Sensors</i> , 2021, 21, 6908.	2.1	5
13	"Green" Three-Electrode Sensors Fabricated by Injection-Moulding for On-Site Stripping Voltammetric Determination of Trace In(III) and Tl(I). <i>Chemosensors</i> , 2021, 9, 310.	1.8	3
14	A novel all-3D-printed cell-on-a-chip device as a useful electroanalytical tool: Application to the simultaneous voltammetric determination of caffeine and paracetamol. <i>Talanta</i> , 2020, 208, 120388.	2.9	70
15	Rapid Drop-Volume Electrochemical Detection of the "Date Rape" Drug Flunitrazepam in Spirits Using a Screen-Printed Sensor in a Dry-Reagent Format. <i>Sensors</i> , 2020, 20, 5192.	2.1	5
16	Voltammetric Determination of Pb(II) by a Ca-MOF-Modified Carbon Paste Electrode Integrated in a 3D-Printed Device. <i>Sensors</i> , 2020, 20, 4442.	2.1	12
17	Recent advances in voltammetric, amperometric and ion-selective (bio)sensors fabricated by microengineering manufacturing approaches. <i>Current Opinion in Electrochemistry</i> , 2020, 23, 21-25.	2.5	20
18	3D-printed lab-in-a-syringe voltammetric cell based on a working electrode modified with a highly efficient Ca-MOF sorbent for the determination of Hg(II). <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128508.	4.0	43

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19	Miniature 3D-printed integrated electrochemical cell for trace voltammetric Hg(II) determination. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127715.	4.0	62
20	Electrochemical DNA Biosensors Based on Labeling with Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 1361.	1.9	56
21	A Ca ²⁺ MOF combining highly efficient sorption and capability for voltammetric determination of heavy metal ions in aqueous media. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15432-15443.	5.2	72
22	Single-step fabrication of an integrated 3D-printed device for electrochemical sensing applications. <i>Electrochemistry Communications</i> , 2019, 103, 100-103.	2.3	99
23	Integrated on-chip sensor with sputtered Ag-Au-Au electrodes for the voltammetric determination of trace Hg(II). <i>Sensors and Actuators B: Chemical</i> , 2019, 286, 125-130.	4.0	28
24	Disposable Injection Molded Conductive Electrodes Modified with Antimony Film for the Electrochemical Determination of Trace Pb(II) and Cd(II). <i>Sensors</i> , 2019, 19, 4809.	2.1	11
25	Paper-based device with a sputtered tin-film electrode for the voltammetric determination of Cd(II) and Zn(II). <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 223-226.	4.0	50
26	Paper-Based Microfluidic Device with Integrated Sputtered Electrodes for Stripping Voltammetric Determination of DNA via Quantum Dot Labeling. <i>Analytical Chemistry</i> , 2018, 90, 1092-1097.	3.2	49
27	Microfabricated Au-Film Sensors for the Voltammetric Determination of Hg(II). <i>Proceedings (mdpi)</i> , 2018, 2, 1518.	0.2	0
28	Flexible plastic, paper and textile lab-on-a chip platforms for electrochemical biosensing. <i>Lab on A Chip</i> , 2018, 18, 1812-1830.	3.1	110
29	Emerging trends in biosensing using stripping voltammetric detection of metal-containing nanolabels – A review. <i>Analytica Chimica Acta</i> , 2017, 961, 12-32.	2.6	46
30	Lab-on-a-Membrane Foldable Devices for Duplex Drop-Volume Electrochemical Biosensing Using Quantum Dot Tags. <i>Analytical Chemistry</i> , 2016, 88, 6897-6904.	3.2	55
31	Determination of Pb(II) by sequential injection/stripping analysis at all-plastic electrochemical fluidic cells with integrated composite electrodes. <i>Talanta</i> , 2016, 153, 170-176.	2.9	24
32	Microfabricated chip integrating a bismuth microelectrode array for the determination of trace cobalt(II) by adsorptive cathodic stripping voltammetry. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 362-369.	4.0	27
33	Electrochemical immunosensors: Critical survey of different architectures and transduction strategies. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 88-105.	5.8	178
34	Flexible Microfabricated Film Sensors for the in Situ Quantum Dot-Based Voltammetric Detection of DNA Hybridization in Microwells. <i>Analytical Chemistry</i> , 2015, 87, 853-857.	3.2	21
35	Disposable integrated bismuth citrate-modified screen-printed immunosensor for ultrasensitive quantum dot-based electrochemical assay of C-reactive protein in human serum. <i>Analytica Chimica Acta</i> , 2015, 886, 29-36.	2.6	66
36	Quantum dot-based electrochemical DNA biosensor using a screen-printed graphite surface with embedded bismuth precursor. <i>Electrochemistry Communications</i> , 2015, 60, 47-51.	2.3	38

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37	Advances in Stripping Analysis of Metals. RSC Detection Science, 2015, , 1-18.	0.0	4
38	Disposable microfabricated 3-electrode electrochemical devices with integrated antimony working electrode for stripping voltammetric determination of selected trace metals. Sensors and Actuators B: Chemical, 2014, 192, 572-577.	4.0	22
39	Tin-film mini-sensors fabricated by a thin-layer microelectronic approach for stripping voltammetric determination of trace metals. Electrochemistry Communications, 2014, 38, 96-99.	2.3	16
40	Tin film sensor with on-chip three-electrode configuration for voltammetric determination of trace Tl(I) in strong acidic media. Talanta, 2014, 125, 215-220.	2.9	20
41	Voltammetric determination of trace Tl(I) at disposable screen-printed electrodes modified with bismuth precursor compounds. Sensors and Actuators B: Chemical, 2013, 182, 718-724.	4.0	26
42	Microfabricated Tinâ€“Film Electrodes for Protein and DNA Sensing Based on Stripping Voltammetric Detection of Cd(II) Released from Quantum Dots Labels. Analytical Chemistry, 2013, 85, 10686-10691.	3.2	44
43	Microfabricated disposable lab-on-a-chip sensors with integrated bismuth microelectrode arrays for voltammetric determination of trace metals. Analytica Chimica Acta, 2012, 710, 1-8.	2.6	33
44	Disposable microfabricated bismuth microelectrode arrays for trace metal analysis by stripping voltammetry. Procedia Engineering, 2011, 25, 880-883.	1.2	7
45	Disposable Nafion-modified micro-fabricated bismuth-film sensors for voltammetric stripping analysis of trace metals in the presence of surfactants. Talanta, 2011, 84, 696-701.	2.9	31
46	Disposable lithographically fabricated bismuth microelectrode arrays for stripping voltammetric detection of trace metals. Electrochemistry Communications, 2011, 13, 391-395.	2.3	43
47	Determination of Trace Tl(I) by Anodic Stripping Voltammetry on Novel Disposable Microfabricated Bismuthâ€“Film Sensors. Electroanalysis, 2010, 22, 2359-2365.	1.5	27
48	Novel disposable microfabricated antimony-film electrodes for adsorptive stripping analysis of trace Ni(II). Electrochemistry Communications, 2009, 11, 250-253.	2.3	58
49	Disposable micro-fabricated electrochemical bismuth sensors for the determination of Tl(I) by stripping voltammetry. Procedia Chemistry, 2009, 1, 1039-1042.	0.7	8
50	Determination of trace cobalt(II) by adsorptive stripping voltammetry on disposable microfabricated electrochemical cells with integrated planar metal-film electrodes. Talanta, 2009, 77, 1137-1142.	2.9	40
51	Disposable mercury-free cell-on-a-chip devices with integrated microfabricated electrodes for the determination of trace nickel(II) by adsorptive stripping voltammetry. Analytica Chimica Acta, 2008, 622, 111-118.	2.6	51
52	Lithographically fabricated disposable bismuth-film electrodes for the trace determination of Pb(II) and Cd(II) by anodic stripping voltammetry. Electrochimica Acta, 2008, 53, 5294-5299.	2.6	124
53	Stripping Analysis at Bismuth-Based Electrodes. Current Analytical Chemistry, 2008, 4, 183-190.	0.6	144
54	Novel disposable bismuth-sputtered electrodes for the determination of trace metals by stripping voltammetry. Electrochemistry Communications, 2007, 9, 2795-2800.	2.3	57