

Stefano Cinti

List of Publications by Citations

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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.

64

papers

2,665

citations

29

h-index

51

g-index

68

ext. papers

3,386

ext. citations

7.5

avg, IF

5.88

L-index

#	Paper	IF	Citations
64	Noninvasive Alcohol Monitoring Using a Wearable Tattoo-Based Iontophoretic-Biosensing System. <i>ACS Sensors</i> , 2016 , 1, 1011-1019	9.2	350
63	Origami multiple paper-based electrochemical biosensors for pesticide detection. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 346-354	11.8	155
62	Graphene-based screen-printed electrochemical (bio)sensors and their applications: Efforts and criticisms. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 107-122	11.8	129
61	Nanomaterials in electrochemical biosensors for pesticide detection: advances and challenges in food analysis. <i>Mikrochimica Acta</i> , 2016 , 183, 2063-2083	5.8	129
60	Novel reagentless paper-based screen-printed electrochemical sensor to detect phosphate. <i>Analytica Chimica Acta</i> , 2016 , 919, 78-84	6.6	117
59	A paper-based nanomodified electrochemical biosensor for ethanol detection in beers. <i>Analytica Chimica Acta</i> , 2017 , 960, 123-130	6.6	114
58	How cutting-edge technologies impact the design of electrochemical (bio)sensors for environmental analysis. A review. <i>Analytica Chimica Acta</i> , 2017 , 959, 15-42	6.6	109
57	Fully integrated ready-to-use paper-based electrochemical biosensor to detect nerve agents. <i>Biosensors and Bioelectronics</i> , 2017 , 93, 46-51	11.8	106
56	Screen-Printed Electrodes Modified with Carbon Nanomaterials: A Comparison among Carbon Black, Carbon Nanotubes and Graphene. <i>Electroanalysis</i> , 2015 , 27, 2230-2238	3	86
55	Carbon black as an outstanding and affordable nanomaterial for electrochemical (bio)sensor design. <i>Biosensors and Bioelectronics</i> , 2020 , 156, 112033	11.8	85
54	Tutorial: design and fabrication of nanoparticle-based lateral-flow immunoassays. <i>Nature Protocols</i> , 2020 , 15, 3788-3816	18.8	85
53	Development of a hydrogen peroxide sensor based on screen-printed electrodes modified with inkjet-printed Prussian blue nanoparticles. <i>Sensors</i> , 2014 , 14, 14222-34	3.8	69
52	Phosphate Detection through a Cost-Effective Carbon Black Nanoparticle-Modified Screen-Printed Electrode Embedded in a Continuous Flow System. <i>Environmental Science & Technology</i> , 2015 , 49, 7934-9	10.3	64
51	Preparation of paper-based devices for reagentless electrochemical (bio)sensor strips. <i>Nature Protocols</i> , 2019 , 14, 2437-2451	18.8	64
50	Effective electrochemical sensor based on screen-printed electrodes modified with a carbon black-Au nanoparticles composite. <i>Sensors and Actuators B: Chemical</i> , 2015 , 212, 536-543	8.5	61
49	Low-cost and reagent-free paper-based device to detect chloride ions in serum and sweat. <i>Talanta</i> , 2018 , 179, 186-192	6.2	61
48	Stripping Analysis of As(III) by Means of Screen-Printed Electrodes Modified with Gold Nanoparticles and Carbon Black Nanocomposite. <i>Electroanalysis</i> , 2014 , 26, 931-939	3	57

47	Novel carbon black-cobalt phthalocyanine nanocomposite as sensing platform to detect organophosphorus pollutants at screen-printed electrode. <i>Electrochimica Acta</i> , 2016 , 188, 574-581	6.7	54
46	Electroanalysis moves towards paper-based printed electronics: carbon black nanomodified inkjet-printed sensor for ascorbic acid detection as a case study. <i>Sensors and Actuators B: Chemical</i> , 2018 , 265, 155-160	8.5	53
45	Paper-based synthesis of Prussian Blue Nanoparticles for the development of whole blood glucose electrochemical biosensor. <i>Talanta</i> , 2018 , 187, 59-64	6.2	49
44	Hg(2+) detection using a disposable and miniaturized screen-printed electrode modified with nanocomposite carbon black and gold nanoparticles. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8192-9	5.1	49
43	Electrochemical Biosensors for Rapid Detection of Foodborne Salmonella: A Critical Overview. <i>Sensors</i> , 2017 , 17,	3.8	46
42	Paper-Based Strips for the Electrochemical Detection of Single and Double Stranded DNA. <i>Analytical Chemistry</i> , 2018 , 90, 13680-13686	7.8	45
41	Cholesterol biosensor based on inkjet-printed Prussian blue nanoparticle-modified screen-printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2015 , 221, 187-190	8.5	43
40	Microengine-assisted electrochemical measurements at printable sensor strips. <i>Chemical Communications</i> , 2015 , 51, 8668-71	5.8	43
39	Carbon black assisted tailoring of Prussian Blue nanoparticles to tune sensitivity and detection limit towards H ₂ O ₂ by using screen-printed electrode. <i>Electrochemistry Communications</i> , 2014 , 47, 63-66	5.1	40
38	Carbon Black-Modified Electrodes Screen-Printed onto Paper Towel, Waxed Paper and Parafilm M. <i>Sensors</i> , 2017 , 17,	3.8	39
37	Paper-based electrochemical peptide nucleic acid (PNA) biosensor for detection of miRNA-492: a pancreatic ductal adenocarcinoma biomarker. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112371	11.8	32
36	Sustainable monitoring of Zn(II) in biological fluids using office paper. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 1199-1206	8.5	29
35	Paper-based electroanalytical strip for user-friendly blood glutathione detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 294, 291-297	8.5	27
34	Office Paper-Based Electrochemical Strips for Organophosphorus Pesticide Monitoring in Agricultural Soil. <i>Environmental Science & Technology</i> , 2021 , 55, 8859-8865	10.3	26
33	Experimental Comparison in Sensing Breast Cancer Mutations by Signal ON and Signal OFF Paper-Based Electroanalytical Strips. <i>Analytical Chemistry</i> , 2020 , 92, 1674-1679	7.8	25
32	Electroanalytical Sensor Based on Gold-Nanoparticle-Decorated Paper for Sensitive Detection of Copper Ions in Sweat and Serum. <i>Analytical Chemistry</i> , 2021 , 93, 5225-5233	7.8	24
31	Spectroscopic, morphological, and mechanistic investigation of the solvent-promoted aggregation of porphyrins modified in meso-positions by glucosylated steroids. <i>Chemistry - A European Journal</i> , 2011 , 17, 13743-53	4.8	23
30	Paper-Based Electrochemical Devices in Biomedical Field: Recent Advances and Perspectives. <i>Comprehensive Analytical Chemistry</i> , 2017 , 77, 385-413	1.9	21

29	Novel paper-based electroanalytical tools for food surveillance. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4303-4311	4.4	18
28	A lab-on-a-tip approach to make electroanalysis user-friendly and de-centralized: Detection of copper ions in river water. <i>Analytica Chimica Acta</i> , 2018 , 1029, 1-7	6.6	17
27	A 96-well wax printed Prussian Blue paper for the visual determination of cholinesterase activity in human serum. <i>Biosensors and Bioelectronics</i> , 2019 , 134, 97-102	11.8	14
26	Novel bio-lab-on-a-tip for electrochemical glucose sensing in commercial beverages. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112334	11.8	9
25	Merging office/filter paper-based tools for pre-concentrating and detecting heavy metals in drinking water. <i>Chemical Communications</i> , 2021 , 57, 7100-7103	5.8	9
24	Polymeric Materials for Printed-Based Electroanalytical (Bio)Applications. <i>Chemosensors</i> , 2017 , 5, 31	4	8
23	Multi-array wax paper-based platform for the pre-concentration and determination of silver ions in drinking water. <i>Talanta</i> , 2021 , 232, 122474	6.2	7
22	Nano-engineered screen-printed electrodes: A dynamic tool for detection of viruses. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116374	14.6	7
21	Nanomaterial-based sensors 2020 , 329-359		6
20	Magnetic carbon spheres and their derivatives combined with printed electrochemical sensors. <i>Electrochimica Acta</i> , 2018 , 282, 247-254	6.7	5
19	Point-of-Care for Evaluating Antimicrobial Resistance through the Adoption of Functional Materials. <i>Analytical Chemistry</i> , 2021 ,	7.8	5
18	A Smartphone-Based Chemosensor to Evaluate Antioxidants in Agri-Food Matrices by In Situ AuNP Formation. <i>Sensors</i> , 2021 , 21,	3.8	5
17	How to extend range linearity in enzyme inhibition-based biosensing assays. <i>Talanta</i> , 2018 , 189, 365-369	6.2	3
16	Development of a data dependent acquisition-based approach for the identification of unknown fast-acting toxins and their ester metabolites. <i>Talanta</i> , 2021 , 224, 121842	6.2	3
15	A Hybrid Screen-Printed Strip for Enhanced Electroanalysis towards Lead and Cadmium in Multi-Matrices. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 037516	3.9	3
14	Review An Overview on Recent Progress in Screen-Printed Electroanalytical (Bio)Sensors 2022 , 1, 023401		3
13	Efforts, Challenges, and Future Perspectives of Graphene-Based (Bio)sensors for Biomedical Applications 2018 , 133-150		2
12	Sustainable Copper Electrochemical Stripping onto a Paper-Based Substrate for Clinical Application. <i>ACS Measurement Science Au</i> ,		2

11	Non-invasive electrochemistry-driven metals tracing in human biofluids.. <i>Biosensors and Bioelectronics</i> , 2021 , 200, 113904	11.8	2
10	Paper-Based Lateral Flow Device for the Sustainable Measurement of Human Plasma Fibrinogen in Low-Resource Settings. <i>Analytical Chemistry</i> , 2021 , 93, 14007-14013	7.8	2
9	Carbon Black/Gold Nanoparticles Composite for Efficient Amperometric Sensors. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 159-163	0.2	2
8	Multi-potential biomarkers for seafood quality assessment: Global wide implication for human health monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 132, 116056	14.6	2
7	Facile development of cost effective and greener for all solid-state supercapacitor on paper substrate. <i>Journal of Energy Storage</i> , 2021 , 33, 102107	7.8	2
6	Electrochemical Biosensors for Tracing Cyanotoxins in Food and Environmental Matrices. <i>Biosensors</i> , 2021 , 11,	5.9	2
5	Enzyme-Based Materials 2019 , 179-209		1
4	Screen-printed electrodes as versatile electrochemical sensors and biosensors 2017 ,		1
3	Heavy metals detection at chemometrics-powered electrochemical (bio)sensors.. <i>Talanta</i> , 2022 , 244, 123410	6.2	1
2	Advanced nanoengineered-customized point-of-care tools for prostate-specific antigen.. <i>Mikrochimica Acta</i> , 2021 , 189, 27	5.8	1
1	Sweat urea bioassay based on degradation of Prussian Blue as the sensing architecture. <i>Analytica Chimica Acta</i> , 2022 , 1210, 339882	6.6	1