

# Bruno G Lucca

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

478  
citations

516561

16  
h-index

713332

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of novel paper-based electrochemical device modified with CdSe/CdS magic-sized quantum dots and application for the sensing of dopamine. <i>Electrochimica Acta</i> , 2021, 367, 137486.	2.6	38
2	Biosensor based on pequi polyphenol oxidase immobilized on chitosan crosslinked with cyanuric chloride for thiodicarb determination. <i>Enzyme and Microbial Technology</i> , 2010, 47, 153-158.	1.6	33
3	Determination of thiodicarb using a biosensor based on alfalfa sprout peroxidase immobilized in self-assembled monolayers. <i>Talanta</i> , 2010, 82, 164-170.	2.9	32
4	Sensitive Approach for Voltammetric Determination of Carbendazim Based on the Use of an Anionic Surfactant. <i>Electroanalysis</i> , 2016, 28, 1362-1369.	1.5	31
5	Simple approach for the fabrication of screen-printed carbon-based electrode for amperometric detection on microchip electrophoresis. <i>Analytica Chimica Acta</i> , 2017, 954, 88-96.	2.6	30
6	Multi sensor compatible 3D-printed electrochemical cell for voltammetric drug screening. <i>Analytica Chimica Acta</i> , 2021, 1169, 338568.	2.6	25
7	Electrodeposition of reduced graphene oxide on a Pt electrode and its use as amperometric sensor in microchip electrophoresis. <i>Electrophoresis</i> , 2015, 36, 1886-1893.	1.3	24
8	Paper-based Electrochemical Devices Coupled to External Graphene-Cu Nanoparticles Modified Solid Electrode through Meniscus Configuration and their Use in Biological Analysis. <i>Electroanalysis</i> , 2017, 29, 2628-2637.	1.5	24
9	Rapid and inexpensive method for the simple fabrication of PDMS-based electrochemical sensors for detection in microfluidic devices. <i>Electrophoresis</i> , 2019, 40, 1322-1330.	1.3	21
10	Recent advances in toner-based microfluidic devices for bioanalytical applications. <i>Analytical Methods</i> , 2018, 10, 2952-2962.	1.3	20
11	Design of novel, simple, and inexpensive 3D printing-based miniaturized electrochemical platform containing embedded disposable detector for analytical applications. <i>Electrophoresis</i> , 2020, 41, 278-286.	1.3	20
12	Simple and Inexpensive Electrochemical Platform Based on Novel Homemade Carbon Ink and its Analytical Application for Determination of Nitrite. <i>Electroanalysis</i> , 2017, 29, 1762-1771.	1.5	19
13	A novel all-3D-printed thread-based microfluidic device with an embedded electrochemical detector: first application in environmental analysis of nitrite. <i>Analytical Methods</i> , 2021, 13, 1349-1357.	1.3	19
14	Easy and rapid pen-on-paper protocol for fabrication of paper analytical devices using inexpensive acrylate-based plastic welding repair kit. <i>Talanta</i> , 2020, 219, 121246.	2.9	18
15	On-Site Determination of Carbendazim, Cathecol and Hydroquinone in Tap Water Using a Homemade Batch Injection Analysis Cell for Screen Printed Electrodes. <i>Electroanalysis</i> , 2015, 27, 271-275.	1.5	17
16	Development of highly sensitive electrochemical sensor using new graphite/acrylonitrile butadiene styrene conductive composite and 3D printing-based alternative fabrication protocol. <i>Analytica Chimica Acta</i> , 2021, 1167, 338566.	2.6	17
17	Separation of natural antioxidants using PDMS electrophoresis microchips coupled with amperometric detection and reverse polarity. <i>Electrophoresis</i> , 2014, 35, 3363-3370.	1.3	16
18	Electrochemical study and simultaneous voltammetric determination of contraceptives ethinylestradiol and cyproterone acetate using silver nanoparticles solid amalgam electrode and cationic surfactant. <i>Talanta</i> , 2020, 210, 120610.	2.9	16

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19	Pencil graphite leads as simple amperometric sensors for microchip electrophoresis. <i>Electrophoresis</i> , 2017, 38, 2733-2740.	1.3	15
20	Voltammetric determination of insecticide thiodicarb through its electrochemical reduction using novel solid amalgam electrode fabricated with silver nanoparticles. <i>Electrochimica Acta</i> , 2017, 246, 748-756.	2.6	9
21	Simple, fast, and instrumentless fabrication of paper analytical devices by novel contact stamping method based on acrylic varnish and 3D printing. <i>Mikrochimica Acta</i> , 2021, 188, 437.	2.5	8
22	Electrochemical study and voltammetric determination of sodium diethyldithiocarbamate using silver nanoparticles solid amalgam electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 859-873.	1.8	7
23	Voltammetric determination of herbicide molinate in river water and rice samples using solid silver amalgam electrode fabricated with nanoparticles. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 468-483.	1.8	6
24	A novel 3D-printed batch injection analysis (BIA) cell coupled to paper-based electrochemical devices: A cheap and reliable analytical system for fast on-site analysis. <i>Microchemical Journal</i> , 2022, 179, 107663.	2.3	6
25	Stamping method based on 3D printing and disposable napkin: Cheap production of paper analytical devices for alcohol determination in beverages aiming forensics and food control. <i>Microchemical Journal</i> , 2022, 180, 107604.	2.3	4
26	Voltammetric study and electroanalytical determination of contraceptive levonorgestrel using silver solid amalgam electrode fabricated with nanoparticles. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 397-408.	1.8	3
27	Sensor Surface Design with NanoMaterials: A New Platform in the Diagnosis of COVID-19. , 0, , .		0
28	NanoBioSensors: From Electrochemical Sensors Improvement to Theranostic Applications. , 0, , .		0