

Fernando Henrique Cincotto

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,098
citations

331259

21
h-index

500791

28
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32
all docs

32
docs citations

32
times ranked

1411
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance electrochemical sensors for dopamine and epinephrine using nanocrystalline carbon quantum dots obtained under controlled chronoamperometric conditions. <i>Electrochimica Acta</i> , 2016, 209, 464-470.	2.6	95
2	A new electrochemical platform based on low cost nanomaterials for sensitive detection of the amoxicillin antibiotic in different matrices. <i>Talanta</i> , 2020, 206, 120252.	2.9	92
3	Decoration of reduced graphene oxide with rhodium nanoparticles for the design of a sensitive electrochemical enzyme biosensor for 17 β -estradiol. <i>Biosensors and Bioelectronics</i> , 2017, 89, 343-351.	5.3	72
4	Simultaneous determination of epinephrine and dopamine by electrochemical reduction on the hybrid material SiO ₂ /graphene oxide decorated with Ag nanoparticles. <i>Analyst</i> , 2014, 139, 4634.	1.7	70
5	A new disposable microfluidic electrochemical paper-based device for the simultaneous determination of clinical biomarkers. <i>Talanta</i> , 2019, 195, 62-68.	2.9	70
6	Immobilization of ruthenium phthalocyanine on silica-coated multi-wall partially oriented carbon nanotubes: Electrochemical detection of fenitrothion pesticide. <i>Materials Research Bulletin</i> , 2016, 76, 41-47.	2.7	56
7	Reduced graphene oxide-Sb ₂ O ₅ hybrid nanomaterial for the design of a laccase-based amperometric biosensor for estriol. <i>Electrochimica Acta</i> , 2015, 174, 332-339.	2.6	54
8	A synergistic combination of reduced graphene oxide and antimony nanoparticles for estriol hormone detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 453-459.	4.0	51
9	Bismuth vanadate/graphene quantum dot: A new nanocomposite for photoelectrochemical determination of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 248-253.	4.0	45
10	Synthesis and characterization of γ -nickel (II) hydroxide particles on organic-inorganic matrix and its application in a sensitive electrochemical sensor for vitamin D determination. <i>Electrochimica Acta</i> , 2014, 147, 688-695.	2.6	38
11	Electrochemical sensor based on reduced graphene oxide modified with palladium nanoparticles for determination of desipramine in urine samples. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 488-493.	4.0	38
12	Non-enzymatic electrochemical determination of creatinine using a novel screen-printed microcell. <i>Talanta</i> , 2020, 207, 120277.	2.9	35
13	Electrochemical Sensor Based Ruthenium Nanoparticles on Reduced Graphene Oxide for the Simultaneous Determination of Ethinylestradiol and Amoxicillin. <i>Electroanalysis</i> , 2017, 29, 1278-1285.	1.5	34
14	Square-wave adsorptive anodic stripping voltammetric determination of norfloxacin using a glassy carbon electrode modified with carbon black and CdTe quantum dots in a chitosan film. <i>Mikrochimica Acta</i> , 2019, 186, 148.	2.5	33
15	Electrochemical immunosensor for ethinylestradiol using diazonium salt grafting onto silver nanoparticles-silica-graphene oxide hybrids. <i>Talanta</i> , 2016, 147, 328-334.	2.9	32
16	Magnetite Nanoparticles Bonded Carbon Quantum Dots Magnetically Confined onto Screen Printed Carbon Electrodes and their Performance as Electrochemical Sensor for NADH. <i>Electroanalysis</i> , 2017, 29, 1968-1975.	1.5	29
17	Methylparaben quantification via electrochemical sensor based on reduced graphene oxide decorated with ruthenium nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 739-745.	4.0	28
18	A nano-magnetic electrochemical sensor for the determination of mood disorder related substances. <i>RSC Advances</i> , 2018, 8, 14040-14047.	1.7	28

#	ARTICLE	IF	CITATIONS
19	Highly Sensitive Electrochemical Sensor for Determination of Vitamin D in Mixtures of Water and Ethanol. <i>Electroanalysis</i> , 2014, 26, 2783-2788.	1.5	26
20	Sensitive determination of the endocrine disruptor bisphenol A at ultrathin film based on nanostructured hybrid material SiO ₂ /GO/AgNP. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2503-2507.	1.2	26
21	Electrochemical investigation of the dimeric oxo-bridged ruthenium complex in aqueous solution and its incorporation within a cation-exchange polymeric film on the electrode surface for electrocatalytic activity of hydrogen peroxide oxidation. <i>Electrochimica Acta</i> , 2011, 56, 6804-6811.	2.6	24
22	Biochar Generated from Agro-Industry Sugarcane Residue by Low Temperature Pyrolysis Utilized as an Adsorption Agent for the Removal of Thiamethoxam Pesticide in Wastewater. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	1.1	24
23	Efficient electrochemical biosensors for ethynylestradiol based on the laccase enzyme supported on single walled carbon nanotubes decorated with nanocrystalline carbon quantum dots. <i>Analytical Methods</i> , 2016, 8, 7254-7259.	1.3	23
24	Graphene Nanosheets and Quantum Dots: A Smart Material for Electrochemical Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 4746-4753.	1.7	19
25	A new electrochemical sensor based on eco-friendly chemistry for the simultaneous determination of toxic trace elements. <i>Microchemical Journal</i> , 2020, 158, 105292.	2.3	14
26	Bismuth Vanadate/Reduced Graphene Oxide Nanocomposite Electrode for Photoelectrochemical Determination of Diclofenac in Urine. <i>Electroanalysis</i> , 2018, 30, 2704-2711.	1.5	11
27	Spectroelectrochemical study of acetylsalicylic acid in neutral medium and its quantification in clinical and environmental samples. <i>Electrochimica Acta</i> , 2017, 233, 105-112.	2.6	10
28	Methods for design and fabrication of nanosensors: the case of ZnO-based nanosensor. , 2020, , 9-30.		9
29	(Bio)Sensing Materials: Quantum Dots. , 2023, , 389-400.		5
30	A New Electrochemical Sensor Based on Carbon Black Modified With Palladium Nanoparticles for Direct Determination of 17β-Ethinylestradiol in Real Samples. <i>Electroanalysis</i> , 2022, 34, 863-871.	1.5	5
31	Contamination of roadside soils by metals linked to catalytic converters in Rio De Janeiro, Brazil. <i>Environmental Forensics</i> , 0, , 1-13.	1.3	1
32	Electrochemical Methods Applied for Bioanalysis: Differential Pulse Voltammetry and Square Wave Voltammetry. , 2022, , 273-282.		1