

Isacco Gualandi

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,267
citations

331670

21
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

1916
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective detection of dopamine with an all PEDOT:PSS Organic Electrochemical Transistor. Scientific Reports, 2016, 6, 35419.	3.3	125
2	Electrochemical Deposition of Nanomaterials for Electrochemical Sensing. Sensors, 2019, 19, 1186.	3.8	119
3	Physical and Electrochemical Properties of PEDOT:PSS as a Tool for Controlling Cell Growth. ACS Applied Materials & Interfaces, 2015, 7, 17993-18003.	8.0	109
4	PEDOT: Dye-Based, Flexible Organic Electrochemical Transistor for Highly Sensitive pH Monitoring. ACS Applied Materials & Interfaces, 2018, 10, 22474-22484.	8.0	69
5	Recent Progress in Wearable Fully Textile Chemical Sensors. Advanced Materials Technologies, 2018, 3, 1700310.	5.8	59
6	Electrocatalytic oxidation of salicylic acid by a cobalt hydroxalcite-like compound modified Pt electrode. Biosensors and Bioelectronics, 2011, 26, 3200-3206.	10.1	56
7	Advanced Wound Dressing for Real-Time pH Monitoring. ACS Sensors, 2021, 6, 2366-2377.	7.8	54
8	Stretchable Low Impedance Electrodes for Bioelectronic Recording from Small Peripheral Nerves. Scientific Reports, 2019, 9, 10598.	3.3	51
9	Textile sensors platform for the selective and simultaneous detection of chloride ion and pH in sweat. Scientific Reports, 2020, 10, 17180.	3.3	46
10	Textile Chemical Sensors Based on Conductive Polymers for the Analysis of Sweat. Polymers, 2021, 13, 894.	4.5	43
11	Analytical profiling of selected antioxidants and total antioxidant capacity of goji (Lycium spp.) berries. Journal of Pharmaceutical and Biomedical Analysis, 2017, 143, 252-260.	2.8	42
12	Layered Double Hydroxide-Modified Organic Electrochemical Transistor for Glucose and Lactate Biosensing. Sensors, 2020, 20, 3453.	3.8	39
13	An insight into the electrochemical behavior of Co/Al layered double hydroxide thin films prepared by electrodeposition. Journal of Power Sources, 2012, 201, 360-367.	7.8	35
14	Newly developed electrochemical synthesis of Co-based layered double hydroxides: toward noble metal-free electro-catalysis. Journal of Materials Chemistry A, 2019, 7, 11241-11249.	10.3	34
15	Co/Al layered double hydroxide coated electrode for in flow amperometric detection of sugars. Electrochimica Acta, 2015, 173, 67-75.	5.2	29
16	Ni/Al Layered Double Hydroxide and Carbon Nanomaterial Composites for Glucose Sensing. ACS Applied Nano Materials, 2019, 2, 143-155.	5.0	29
17	Synthesis and Characterization of Layered Double Hydroxides as Materials for Electrocatalytic Applications. Nanomaterials, 2021, 11, 725.	4.1	28
18	Analytical performances of Ni LDH films electrochemically deposited on Pt surfaces: Phenol and glucose detection. Journal of Electroanalytical Chemistry, 2014, 722-723, 15-22.	3.8	26

#	ARTICLE	IF	CITATIONS
19	Electrically Controlled "Sponge Effect" of PEDOT:PSS Governs Membrane Potential and Cellular Growth. ACS Applied Materials & Interfaces, 2017, 9, 6679-6689.	8.0	25
20	Role of Fe in the oxidation of methanol electrocatalyzed by Ni based layered double hydroxides: X-ray spectroscopic and electrochemical studies. RSC Advances, 2016, 6, 110976-110985.	3.6	24
21	Nanoparticle gated semiconducting polymer for a new generation of electrochemical sensors. Sensors and Actuators B: Chemical, 2018, 273, 834-841.	7.8	24
22	A Wearable Electrochemical Gas Sensor for Ammonia Detection. Sensors, 2021, 21, 7905.	3.8	21
23	Electrodeposition of PEDOT perchlorate as an alternative route to PEDOT:PSS for the development of bulk heterojunction solar cells. Journal of Solid State Electrochemistry, 2015, 19, 1685-1693.	2.5	20
24	A new electrochemical sensor for OH radicals detection. Talanta, 2013, 115, 779-786.	5.5	19
25	Electrosynthesis of Ni/Al layered double hydroxide and reduced graphene oxide composites for the development of hybrid capacitors. Electrochimica Acta, 2021, 365, 137294.	5.2	19
26	Organic Electrochemical Transistors as Versatile Analytical Potentiometric Sensors. Frontiers in Bioengineering and Biotechnology, 2019, 7, 354.	4.1	17
27	Design of an electrochemically gated organic semiconductor for pH sensing. Electrochemistry Communications, 2020, 116, 106763.	4.7	17
28	A Polypyrrole Based Sensor for the Electrochemical Detection of OH Radicals. Electroanalysis, 2014, 26, 1544-1550.	2.9	14
29	A simple and industrially scalable method for making a PANI-modified cellulose touch sensor. Carbohydrate Polymers, 2021, 254, 117304.	10.2	14
30	Wireless Textile Moisture Sensor for Wound Care. Frontiers in Physics, 2021, 9, .	2.1	11
31	Transient-doped organic electrochemical transistors working in current-enhancing mode as sensing devices for low concentration of oxygen dissolved in solution. APL Materials, 2020, 8, .	5.1	10
32	Needle-type organic electrochemical transistor for spatially resolved detection of dopamine. Mikrochimica Acta, 2020, 187, 378.	5.0	10
33	Assessment of the Antioxidant Capacity of Standard Compounds and Fruit Juices by a Newly Developed Electrochemical Method: Comparative Study with Results from Other Analytical Methods. Electroanalysis, 2015, 27, 1906-1914.	2.9	7
34	Electrochemical Approach for the Production of Layered Double Hydroxides with a Well-Defined Co/Me ^{III} Ratio. Chemistry - A European Journal, 2019, 25, 16301-16310.	3.3	7
35	Oxygen Gas Sensing Using a Hydrogel-Based Organic Electrochemical Transistor for Work Safety Applications. Polymers, 2022, 14, 1022.	4.5	6
36	Electrosynthesis and characterization of Layered Double Hydroxides on different supports. Applied Clay Science, 2021, 202, 105949.	5.2	5

#	ARTICLE	IF	CITATIONS
37	Cyclopentadienoneâ€NHC iron(0) complexes as low valent electrocatalysts for water oxidation. Catalysis Science and Technology, 2021, 11, 1407-1418.	4.1	4
38	All PEDOT:PSS devices as low cost wearable chemical sensors. , 0, , .		0