

Domenica Tonelli

List of Publications by Year in descending order

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82
papers

2,262
citations

186265
28
h-index

254184
43
g-index

82
all docs

82
docs citations

82
times ranked

2824
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective detection of dopamine with an all PEDOT:PSS Organic Electrochemical Transistor. <i>Scientific Reports</i> , 2016, 6, 35419.	3.3	125
2	Electrochemical Deposition of Nanomaterials for Electrochemical Sensing. <i>Sensors</i> , 2019, 19, 1186.	3.8	119
3	Electrosynthesis of Thin Films of Ni, Al Hydrotalcite Like Compounds. <i>Chemistry of Materials</i> , 2007, 19, 4523-4529.	6.7	100
4	Layered-double-hydroxide-modified electrodes: electroanalytical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 603-614.	3.7	97
5	Glyphosate and glufosinate detection at electrogenerated NiAl-LDH thin films. <i>Analytica Chimica Acta</i> , 2009, 654, 97-102.	5.4	88
6	Structural characterization of electrodeposited copper hexacyanoferrate films by using a spectroscopic multi-technique approach. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5527.	2.8	68
7	Sulfate-selective electrodes based on hydrotalcites. <i>Analytica Chimica Acta</i> , 2001, 439, 265-272.	5.4	62
8	A novel potentiometric sensor for l-ascorbic acid based on molecularly imprinted polypyrrole. <i>Electrochimica Acta</i> , 2011, 56, 7149-7154.	5.2	61
9	Electrocatalytic oxidation of salicylic acid by a cobalt hydrotalcite-like compound modified Pt electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3200-3206.	10.1	56
10	Advanced Wound Dressing for Real-Time pH Monitoring. <i>ACS Sensors</i> , 2021, 6, 2366-2377.	7.8	54
11	Amperometric biosensors based on reduced GO and MWCNTs composite for polyphenols detection in fruit juices. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 285-292.	3.8	50
12	Electrodeposited glucose oxidase/anionic clay for glucose biosensors design. <i>Analytica Chimica Acta</i> , 2006, 577, 98-106.	5.4	49
13	Iron vs Aluminum Based Layered Double Hydroxides as Water Splitting Catalysts. <i>Electrochimica Acta</i> , 2016, 188, 653-660.	5.2	49
14	Electrodeposition of a nickel-based hydrotalcite on Pt nanoparticles for ethanol and glucose sensing. <i>Electrochemistry Communications</i> , 2007, 9, 2838-2842.	4.7	46
15	Electrochemical synthesis of novel structured catalysts for H ₂ production. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 563-572.	20.2	46
16	Analytical profiling of selected antioxidants and total antioxidant capacity of goji (<i>Lycium spp.</i>) berries. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 252-260.	2.8	42
17	Study on the intercalation of hexacyanoferrate(II) in a Ni, Al based hydrotalcite. <i>Solid State Ionics</i> , 2004, 168, 167-175.	2.7	41
18	Layered Double Hydroxide-Modified Organic Electrochemical Transistor for Glucose and Lactate Biosensing. <i>Sensors</i> , 2020, 20, 3453.	3.8	39

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19	Synthesis Route to Supported Gold Nanoparticle Layered Double Hydroxides as Efficient Catalysts in the Electrooxidation of Methanol. <i>Langmuir</i> , 2012, 28, 15065-15074.	3.5	38
20	Nickel hexacyanoferrate membrane as a coated wire cation-selective electrode. <i>Analyst, The</i> , 2001, 126, 2168-2171.	3.5	36
21	Intercalation of Iron(III) Hexacyano Complex in a Ni,Al Hydrotalcite-like Compound. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7265-7269.	2.6	35
22	An insight into the electrochemical behavior of Co/Al layered double hydroxide thin films prepared by electrodeposition. <i>Journal of Power Sources</i> , 2012, 201, 360-367.	7.8	35
23	Electrodeposition of Layered Double Hydroxides on platinum: Insights into the reactions sequence. <i>Electrochimica Acta</i> , 2015, 152, 75-83.	5.2	35
24	Hydrotalcite-like compounds as ionophores for the development of anion potentiometric sensors. <i>Journal of Electroanalytical Chemistry</i> , 2000, 492, 7-14.	3.8	34
25	Newly developed electrochemical synthesis of Co-based layered double hydroxides: toward noble metal-free electro-catalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11241-11249.	10.3	34
26	Anionic Clay Modified Electrode for Detection of Alcohols. An Electrocatalytic Amperometric Sensor. <i>Electroanalysis</i> , 2000, 12, 434-441.	2.9	32
27	Co/Al layered double hydroxide coated electrode for in flow amperometric detection of sugars. <i>Electrochimica Acta</i> , 2015, 173, 67-75.	5.2	29
28	Ni/Al Layered Double Hydroxide and Carbon Nanomaterial Composites for Glucose Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 143-155.	5.0	29
29	Electrochemical behavior of reduced graphene oxide and multi-walled carbon nanotubes composites for catechol and dopamine oxidation. <i>Electrochimica Acta</i> , 2017, 246, 415-423.	5.2	28
30	Synthesis and Characterization of Layered Double Hydroxides as Materials for Electrocatalytic Applications. <i>Nanomaterials</i> , 2021, 11, 725.	4.1	28
31	Analytical performances of Ni LDH films electrochemically deposited on Pt surfaces: Phenol and glucose detection. <i>Journal of Electroanalytical Chemistry</i> , 2014, 722-723, 15-22.	3.8	26
32	Role of Fe in the oxidation of methanol electrocatalyzed by Ni based layered double hydroxides: X-ray spectroscopic and electrochemical studies. <i>RSC Advances</i> , 2016, 6, 110976-110985.	3.6	24
33	Electrochemically synthesized cobalt redox active layered double hydroxides for supercapacitors development. <i>Applied Clay Science</i> , 2017, 143, 151-158.	5.2	24
34	Nanoparticle gated semiconducting polymer for a new generation of electrochemical sensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 834-841.	7.8	24
35	Ni(OH) ₂ versus Ni/Al layered double hydroxides as matrices to immobilize glucose oxidase. <i>Electrochimica Acta</i> , 2010, 55, 1217-1220.	5.2	22
36	Electrosynthesis of Ni/Al and Mg/Al Layered Double Hydroxides on Pt and FeCrAlloy supports: Study and control of the pH near the electrode surface. <i>Electrochimica Acta</i> , 2013, 108, 596-604.	5.2	22

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37	Improvement in the coating homogeneity in electrosynthesized Rh structured catalysts for the partial oxidation of methane. <i>Catalysis Today</i> , 2015, 246, 154-164.	4.4	22
38	Anti-Interferent Properties of Oxidized Nickel Based on Layered Double Hydroxide in Glucose Amperometric Biosensors. <i>Electroanalysis</i> , 2008, 20, 2199-2204.	2.9	21
39	A Wearable Electrochemical Gas Sensor for Ammonia Detection. <i>Sensors</i> , 2021, 21, 7905.	3.8	21
40	Amperometric Sensors Based on Synthetic Hydrotalcites and Their Application for Ethanol Detection in Beer. <i>Electroanalysis</i> , 2005, 17, 363-370.	2.9	20
41	Electrodeposition of PEDOT perchlorate as an alternative route to PEDOT:PSS for the development of bulk heterojunction solar cells. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1685-1693.	2.5	20
42	A new electrochemical sensor for OH radicals detection. <i>Talanta</i> , 2013, 115, 779-786.	5.5	19
43	Electrosynthesis of Ni/Al layered double hydroxide and reduced graphene oxide composites for the development of hybrid capacitors. <i>Electrochimica Acta</i> , 2021, 365, 137294.	5.2	19
44	A new approach for the synthesis of K ⁺ -free nickel hexacyanoferrate. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3981-3988.	2.9	18
45	Electrooxidation of Aliphatic and Aromatic Amines at a Ni,Al Based Hydrotalcite Modified Electrode. <i>Electroanalysis</i> , 2006, 18, 2421-2425.	2.9	18
46	Copper hexacyanoferrate modified electrodes for hydrogen peroxide detection as studied by X-ray absorption spectroscopy. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 965-973.	2.5	18
47	Copper-cobalt hexacyanoferrate modified glassy carbon electrode for an indirect electrochemical determination of mercury. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 9-15.	7.8	18
48	Electrocatalytic Performances of Pure and Mixed Hexacyanoferrates of Cu and Pd for the Reduction of Hydrogen Peroxide. <i>Electroanalysis</i> , 2010, 22, 1695-1701.	2.9	17
49	Electrocatalytic determination of thiols using hybrid copper cobalt hexacyanoferrate modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 16-24.	7.8	17
50	Organic Electrochemical Transistors as Versatile Analytical Potentiometric Sensors. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 354.	4.1	17
51	Different Electrochemical Sensor Designs Based on Diazonium Salts and Gold Nanoparticles for Pico Molar Detection of Metals. <i>Molecules</i> , 2020, 25, 3903.	3.8	17
52	Design of an electrochemically gated organic semiconductor for pH sensing. <i>Electrochemistry Communications</i> , 2020, 116, 106763.	4.7	17
53	An XPS investigation on glucose oxidase and Ni/Al hydrotalcite interaction. <i>Surface and Interface Analysis</i> , 2011, 43, 816-822.	1.8	16
54	Electrochemical sensor for indirect detection of bacterial population. <i>Sensors and Actuators B: Chemical</i> , 2004, 102, 331-335.	7.8	15

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55	Reactions involved in the electrodeposition of hydrotalcite-type compounds on FeCrAlloy foams and plates. <i>Electrochimica Acta</i> , 2016, 222, 1335-1344.	5.2	15
56	Microscopy techniques for the characterization of modified electrodes in the development of glucose biosensors. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 492-498.	7.8	14
57	A Polypyrrole Based Sensor for the Electrochemical Detection of OH Radicals. <i>Electroanalysis</i> , 2014, 26, 1544-1550.	2.9	14
58	Effect of the Synthesis Route and Fe Presence on the Redox Activity of Ni in Layered Double Hydroxides. <i>ChemElectroChem</i> , 2016, 3, 1320-1328.	3.4	14
59	Comparative study of protective membranes for glucose biosensors based on electrodeposited hydrotalcites. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 196-202.	7.8	11
60	Effects of different additives on bimetallic Au-Pt nanoparticles electrodeposited onto indium tin oxide electrodes. <i>Electrochimica Acta</i> , 2010, 55, 6789-6795.	5.2	11
61	Dendritic silver nanostructures obtained via one-step electrosynthesis: effect of nonanesulfonic acid and polyvinylpyrrolidone as additives on the analytical performance for hydrogen peroxide sensing. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	11
62	Needle-type organic electrochemical transistor for spatially resolved detection of dopamine. <i>Mikrochimica Acta</i> , 2020, 187, 378.	5.0	10
63	Amperometric Glucose Biosensors Based on Glassy Carbon and SWCNT-Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2008, 20, 84-90.	2.9	9
64	Direct quantification of test bacteria in synthetic water-polluted samples by square wave voltammetry and chemometric methods. <i>Biosensors and Bioelectronics</i> , 2008, 23, 959-964.	10.1	9
65	Electrosynthesis and characterization of a conductive polythiophene deriving from a terthiophene monomer. <i>Electrochimica Acta</i> , 2011, 56, 6976-6981.	5.2	9
66	Speciation of Gold Nanoparticles by Ex Situ Extended X-ray Absorption Fine Structure and X-ray Absorption Near Edge Structure. <i>Analytical Chemistry</i> , 2016, 88, 6873-6880.	6.5	9
67	Lactate Biosensor Based on Hydrotalcite-Like Compounds: Performances and Application to Serum Samples. <i>Electroanalysis</i> , 2009, 21, 2401-2409.	2.9	8
68	Pure copper vs. mixed copper and palladium hexacyanoferrates for glucose biosensing applications. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2805-2814.	2.5	8
69	Effect of metal nitrate concentration on the electrodeposition of hydrotalcite-like compounds on open-cell foams. <i>Applied Clay Science</i> , 2018, 151, 109-117.	5.2	8
70	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. <i>Electroanalysis</i> , 2015, 27, 1906-1914.	2.9	7
71	Electrochemical Approach for the Production of Layered Double Hydroxides with a Well-Defined Co/Me ^{II} Ratio. <i>Chemistry - A European Journal</i> , 2019, 25, 16301-16310.	3.3	7
72	Detailing the Self-Discharge of a Cathode Based on a Prussian Blue Analogue. <i>Energies</i> , 2020, 13, 4027.	3.1	6

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73	Electrosynthesis and characterization of Layered Double Hydroxides on different supports. Applied Clay Science, 2021, 202, 105949.	5.2	5
74	Nanostructured Copper-Based Electrodes Electrochemically Synthesized on a Carbonaceous Gas Diffusion Membrane with Catalytic Activity for the Electroreduction of CO ₂ . ACS Applied Materials & Interfaces, 2021, 13, 57451-57461.	8.0	5
75	Electrochemically deposited thiophene-based polymers as protective agents for Prussian Blue thin films. Journal of Solid State Electrochemistry, 2014, 18, 2731-2742.	2.5	4
76	Cyclopentadienoneâ€“NHC iron(0) complexes as low valent electrocatalysts for water oxidation. Catalysis Science and Technology, 2021, 11, 1407-1418.	4.1	4
77	Ion Chromatographic Analysis of Hydroxyapatite. Analytical Letters, 2009, 42, 483-491.	1.8	2
78	Optically active, regioregular, head-to-head/tail-to-tail poly(3-alkyl)thiophene by inherently regiospecific oxidative synthesis from 3,3'-dialkyl 2,2'-bithiophene monomer. Synthetic Metals, 2015, 202, 169-176.	3.9	2
79	Novel Poly(ethylene glycol)s Bearing Tributyltin Carboxylate End Groups as Ionophores in the Development of Chloride Ion-Selective Electrodes. Electroanalysis, 2006, 18, 1055-1062.	2.9	1
80	Hydrotalcite-Type Materials Electrodeposited on Open-Cell Metallic Foams as Structured Catalysts. Inorganics, 2018, 6, 74.	2.7	1
81	SKPFM investigations of intermetallic compounds of innovative Erâ€“and Zrâ€“containing Alâ€“Siâ€“Mg alloys and their influence on corrosion localization in saline solution. Materials and Corrosion - Werkstoffe Und Korrosion, 2019, 70, 1570-1577.	1.5	1
82	All PEDOT:PSS devices as low cost wearable chemical sensors. , 0, , .		0