

Barbara Burnat

List of Publications by Year in descending order

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26
papers

327
citations

759233

12
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888059

17
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28
all docs

28
docs citations

28
times ranked

364
citing authors

#	ARTICLE	IF	CITATIONS
1	The new application of renewable silver amalgam film electrode for the electrochemical reduction of nitrile, cyazofamid, and its voltammetric determination in the real samples and in a commercial formulation. <i>Electrochimica Acta</i> , 2014, 134, 302-308.	5.2	30
2	A graphene oxide modified carbon ceramic electrode for voltammetric determination of gallic acid. <i>Diamond and Related Materials</i> , 2018, 88, 137-143.	3.9	25
3	The effect of Si incorporation on the corrosion resistance of a-C:H:SiO _x coatings. <i>Diamond and Related Materials</i> , 2016, 67, 1-7.	3.9	24
4	Square-wave voltammetric determination of fungicide fenfuram in real samples on bare boron-doped diamond electrode, and its corrosion properties on stainless steels used to produce agricultural tools. <i>Electrochimica Acta</i> , 2015, 169, 117-125.	5.2	20
5	Surface characterization, corrosion properties and bioactivity of Ca-doped TiO ₂ coatings for biomedical applications. <i>Surface and Coatings Technology</i> , 2015, 280, 291-300.	4.8	19
6	The effect of carbon material on the electroanalytical determination of 4-chloro-3-methylphenol using the sol-gel derived carbon ceramic electrodes. <i>Sensors and Actuators B: Chemical</i> , 2016, 236, 318-325.	7.8	18
7	Comparison of Different Thermo-Chemical Treatments Methods of Ti-6Al-4V Alloy in Terms of Tribological and Corrosion Properties. <i>Materials</i> , 2020, 13, 5192.	2.9	18
8	New sensitive square-wave adsorptive stripping voltammetric determination of pesticide chlornitrofen, and an evaluation of its corrosivity towards steel agricultural equipment. <i>Journal of Electroanalytical Chemistry</i> , 2016, 777, 8-18.	3.8	17
9	Voltammetric determination of the herbicide protham on glassy carbon electrode modified with multi-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 54-63.	7.8	16
10	Voltammetric and corrosion studies of the fungicide fludioxonil. <i>Electrochimica Acta</i> , 2015, 158, 287-297.	5.2	15
11	Tribological and corrosive investigations of perfluoro and alkylphosphonic self-assembled monolayers on Ti incorporated carbon coatings. <i>Tribology International</i> , 2019, 130, 359-365.	5.9	15
12	Structural analysis and corrosion studies on an ISO 5832-9 biomedical alloy with TiO ₂ sol-gel layers. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 623-634.	3.6	13
13	Voltammetric behavior, quantitative determination, and corrosion investigation of herbicide bromacil. <i>Journal of Electroanalytical Chemistry</i> , 2016, 770, 6-13.	3.8	10
14	An application of a glassy carbon electrode and a glassy carbon electrode modified with multi-walled carbon nanotubes in electroanalytical determination of oxycarboxin. <i>Ionics</i> , 2018, 24, 2111-2121.	2.4	10
15	Corrosion behaviour of polished and sandblasted titanium alloys in PBS solution. <i>Acta of Bioengineering and Biomechanics</i> , 2013, 15, 87-95.	0.4	10
16	Effects of serum proteins on corrosion behavior of ISO 5832-9 alloy modified by titania coatings. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3111-3119.	2.5	9
17	Voltammetric and corrosion studies of the ionophoric antibiotic salinomycin and its determination in a soil extract. <i>Journal of Electroanalytical Chemistry</i> , 2016, 783, 56-62.	3.8	9
18	A carbon ceramic electrode modified with bismuth oxide nanoparticles for determination of syringic acid by stripping voltammetry. <i>Mikrochimica Acta</i> , 2017, 184, 4579-4586.	5.0	8

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19	The effect of concentration and source of calcium ions on anticorrosion properties of Ca-doped TiO ₂ bioactive sol-gel coatings. <i>Ceramics International</i> , 2017, 43, 13735-13742.	4.8	8
20	First electrochemical study of the fungicide oxycarboxin. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 1298-1314.	3.3	7
21	Titanium Dioxide Coatings Doubly-Doped with Ca and Ag Ions as Corrosion Resistant, Biocompatible, and Bioactive Materials for Medical Applications. <i>Coatings</i> , 2020, 10, 169.	2.6	7
22	Graphene oxide activation with a constant magnetic field. <i>Analytica Chimica Acta</i> , 2018, 1011, 35-39.	5.4	6
23	The Influence of Chemical Surface Treatment on the Corrosion Resistance of Titanium Castings Used in Dental Prosthetics. <i>Archives of Foundry Engineering</i> , 2014, 14, 11-16.	0.4	4
24	Fabrication and Application of Ferrierteâ€“Modified Carbon Ceramic Electrode in Sensitive Determination of Estradiol. <i>Journal of the Electrochemical Society</i> , 2017, 164, B574-B580.	2.9	3
25	Interfacial Deposition of Titanium Dioxide at the Polarized Liquidâ€“Liquid Interface. <i>Materials</i> , 2022, 15, 2196.	2.9	2
26	Effects of a Constant Magnetic Field on the Electrochemical Reactions of Quercetin. <i>ChemistryOpen</i> , 2020, 9, 1229-1235.	1.9	1