

George-Octavian Buica

List of Publications by Year in descending order

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papers

352
citations

759233

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric Sensing of Mercury and Copper Cations at Poly(EDTA-like) Film Modified Electrode. <i>Electroanalysis</i> , 2009, 21, 77-86.	2.9	58
2	Voltammetric sensing of lead and cadmium using poly(4-azulen-1-yl-2,6-bis(2-thienyl)pyridine) complexing films. <i>Journal of Electroanalytical Chemistry</i> , 2013, 693, 67-72.	3.8	40
3	1-Phenylselanylazulenes: synthesis and selenium atom oxidation. <i>Monatshefte für Chemie</i> , 2014, 145, 1999-2009.	1.8	31
4	Electrochemical study of azo-azulene compounds. <i>Electrochimica Acta</i> , 2008, 53, 7089-7099.	5.2	27
5	Films of poly(4-azulen-1-yl-2,6-bis(2-thienyl)pyridine) for heavy metal ions complexation. <i>Electrochimica Acta</i> , 2011, 56, 5028-5036.	5.2	23
6	Azulene-ethylenediaminetetraacetic acid: A versatile molecule for colorimetric and electrochemical sensors for metal ions. <i>Electrochimica Acta</i> , 2018, 263, 382-390.	5.2	22
7	Zr/ZrO ₂ nanotube electrode for detection of heavy metal ions. <i>Electrochemistry Communications</i> , 2020, 110, 106614.	4.7	22
8	Ultrasensitive modified electrode based on poly(1H-pyrrole-1-hexanoic acid) for Pb(II) detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 434-443.	7.8	21
9	Electrodes modified with clickable thiosemicarbazone ligands for sensitive voltammetric detection of Hg(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2020, 313, 128030.	7.8	18
10	Colorimetric and voltammetric sensing of mercury ions using 2,2-(ethane-1,2-diylbis((2-(azulen-2-ylamino)-2-oxoethyl)azanediyl))diacetic acid. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113351.	3.8	16
11	Electrochemical chlorination of azulene derivatives. <i>Electrochimica Acta</i> , 2006, 52, 794-803.	5.2	15
12	Vinylazulenes chromophores: Synthesis and characterization. <i>Dyes and Pigments</i> , 2016, 131, 246-255.	3.7	12
13	Interaction of Mg Alloy with PLA Electrospun Nanofibers Coating in Understanding Changes of Corrosion, Wettability, and pH. <i>Nanomaterials</i> , 2022, 12, 1369.	4.1	9
14	Modified Electrodes Based on Poly[(2E)-2-(Azulen-1-ylmethylidene)hydrazinecarbothioamide] for Heavy Metal Ions Complexation. <i>Electroanalysis</i> , 2017, 29, 93-102.	2.9	8
15	Electrochemical Comparison on New (Z)-5-(Azulen-1-ylmethylene)-2-Thioxo-Thiazolidin-4-Ones. <i>Symmetry</i> , 2021, 13, 588.	2.2	5
16	AFM and SEM Characterization of Chemically Modified Electrodes Based on 5-[(azulen-1-yl)methylene]-2-thioxothiazolidin-4-one. <i>Revista De Chimie (discontinued)</i> , 2018, 68, 2799-2803.	0.4	5
17	Improving the Voltammetric Determination of Hg(II): A Comparison Between Ligand-Modified Glassy Carbon and Electrochemically Reduced Graphene Oxide Electrodes. <i>Sensors</i> , 2020, 20, 6799.	3.8	4
18	of Solution Chemistry, 2016, 45, 1588-1597.	1.2	3

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19	Study on 5-(azulen-1-ylmethylene)-2,2-dimethyl-1,3-dioxane-4,6-diones by electrochemical methods. Monatshefte für Chemie, 2011, 142, 243-250.	1.8	2
20	Permeability improvements of electropolymerized polypyrrole films using dissolvable nano-CaCO ₃ particle templates. Physical Chemistry Chemical Physics, 2014, 16, 5052.	2.8	2
21	Thermodynamics of interactions between lead(II) and cadmium(II) ions and azulene-based complexing polymer films. Journal of Solid State Electrochemistry, 2016, 20, 401-411.	2.5	2
22	IMPACT OF MERCURY POLLUTION ON SOIL, SURFACE WATER AND SEDIMENT ECOSYSTEMS IN THE AREA OF AN OLD MERCURY MINE. Environmental Engineering and Management Journal, 2016, 15, 1087-1091.	0.6	2
23	The Heavy Metals Sensing Based on 2,6-Bis(-2-(Thiophen-3-yl)Vinyl)-4-(4,6,8-Trimethylazulen-1-yl)Pyrylium Modified Electrodes. Revista De Chimie (discontinued), 2017, 68, 2509-2513.	0.4	2
24	Stripping Voltammetry on a new Modified Glassy Carbon Electrode for Lead Content Determination in Soft Water. Revista De Chimie (discontinued), 2018, 69, 21-26.	0.4	2
25	Polypyrrole film architectures influence on platinum nanoparticles efficiency in ethanol electrooxidation. Journal of Applied Polymer Science, 2015, 132, .	2.6	1
26	Monitoring on short-term the corrosion processes of three different metal-ceramic crowns. , 2014, , .		0
27	On the electrochemical behavior of selanyl azulenes. Journal of Solid State Electrochemistry, 2016, 20, 3151-3164.	2.5	0
28	The influence of oxygen amount in oral cavity media on the corrosion behavior of nanostructures formed on anodized Zr. Materials and Corrosion - Werkstoffe Und Korrosion, 2018, 69, 1713-1719.	1.5	0
29	Voltammetric Detection of Mercury Ions at Poly(azulene-EDTA)-like Screen Printed Modified Electrodes. , 2021, 5, .		0