George-Octavian Buica

List of Publications by Year
in descending order

29	352	759233 12	794594 19
papers	citations	h-index	g-index

30	30	30	352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of Mg Alloy with PLA Electrospun Nanofibers Coating in Understanding Changes of Corrosion, Wettability, and pH. Nanomaterials, 2022, 12, 1369.	4.1	9
2	Electrochemical Comparison on New (Z)-5-(Azulen-1-Ylmethylene)-2-Thioxo-Thiazolidin-4-Ones. Symmetry, 2021, 13, 588.	2.2	5
3	Voltammetric Detection of Mercury Ions at Poly(azulene-EDTA)-like Screen Printed Modified Electrodes. , 2021, 5, .		0
4	Zr/ZrO2 nanotube electrode for detection of heavy metal ions. Electrochemistry Communications, 2020, 110, 106614.	4.7	22
5	Improving the Voltammetric Determination of Hg(II): A Comparison Between Ligand-Modified Glassy Carbon and Electrochemically Reduced Graphene Oxide Electrodes. Sensors, 2020, 20, 6799.	3.8	4
6	Electrodes modified with clickable thiosemicarbazone ligands for sensitive voltammetric detection of Hg(II) ions. Sensors and Actuators B: Chemical, 2020, 313, 128030.	7.8	18
7	Colorimetric and voltammetric sensing of mercury ions using 2,2â€²-(ethane-1,2-diylbis((2-(azulen-2-ylamino)-2-oxoethyl)azanediyl))diacetic acid. Journal of Electroanalytical Chemistry, 2019, 849, 113351.	3.8	16
8	Azulene-ethylenediaminetetraacetic acid: A versatile molecule for colorimetric and electrochemical sensors for metal ions. Electrochimica Acta, 2018, 263, 382-390.	5.2	22
9	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
10	AFM and SEM Characterization of Chemically Modified Electrodes Based on 5-[(azulen-1-yl) methylene]-2-thioxothiazolidin-4-one. Revista De Chimie (discontinued), 2018, 68, 2799-2803.	0.4	5
11	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
12	Ultrasensitive modified electrode based on poly(1H-pyrrole-1-hexanoic acid) for Pb(II) detection. Sensors and Actuators B: Chemical, 2017, 246, 434-443.	7.8	21
13	Modified Electrodes Based on Poly[(2E)â€2â€(Azulenâ€1â€ylmethylidene)hydrazinecarbothioamide] for Heavy Metal Ions Complexation. Electroanalysis, 2017, 29, 93-102.	2.9	8
14	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
15	of Solution Chemistry, 2016, 45, 1588-1597.	1.2	3
16	On the electrochemical behavior of selanyl azulenes. Journal of Solid State Electrochemistry, 2016, 20, 3151-3164.	2.5	0
17	Vinylazulenes chromophores: Synthesis and characterization. Dyes and Pigments, 2016, 131, 246-255.	3.7	12
18	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

#	Article	IF	Citations
19	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
20	Polypyrrole film architectures influence on platinum nanoparticles efficiency in ethanol electrooxidation. Journal of Applied Polymer Science, 2015, 132, .	2.6	1
21	Monitoring on short-term the corrosion processes of three different metal-ceramic crowns. , 2014, , .		0
22	1-Phenylselanylazulenes: synthesis and selenium atom oxidation. Monatshefte FÃ¼r Chemie, 2014, 145, 1999-2009.	1.8	31
23	Permeability improvements of electropolymerized polypyrrole films using dissolvable nano-CaCO3 particle templates. Physical Chemistry Chemical Physics, 2014, 16, 5052.	2.8	2
24	Voltammetric sensing of lead and cadmium using poly(4-azulen-1-yl-2,6-bis(2-thienyl)pyridine) complexing films. Journal of Electroanalytical Chemistry, 2013, 693, 67-72.	3.8	40
25	Study on 5-(azulen-1-ylmethylene)-2,2-dimethyl-1,3-dioxane-4,6-diones by electrochemical methods. Monatshefte FÃ¼r Chemie, 2011, 142, 243-250.	1.8	2
26	Films of poly(4-azulen-1-yl-2,6-bis(2-thienyl)pyridine) for heavy metal ions complexation. Electrochimica Acta, 2011, 56, 5028-5036.	5.2	23
27	Voltammetric Sensing of Mercury and Copper Cations at Poly(EDTAâ€like) Film Modified Electrode. Electroanalysis, 2009, 21, 77-86.	2.9	58
28	Electrochemical study of azoâ€“azulene compounds. Electrochimica Acta, 2008, 53, 7089-7099.	5.2	27
29	Electrochemical chlorination of azulene derivatives. Electrochimica Acta, 2006, 52, 794-803.	5.2	15