

Abdolhamid Hatefi-Mehrjardi

List of Publications by Year in descending order

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papers

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516710

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docs citations

36
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1193
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel method for glucose determination based on electrochemical impedance spectroscopy using glucose oxidase self-assembled biosensor. <i>Bioelectrochemistry</i> , 2006, 69, 201-208.	4.6	158
2	Comparative electrochemical study of self-assembled monolayers of 2-mercaptobenzoxazole, 2-mercaptobenzothiazole, and 2-mercaptobenzimidazole formed on polycrystalline gold electrode. <i>Electrochimica Acta</i> , 2007, 52, 7051-7060.	5.2	71
3	Sensitive determination of iron(III) by gold electrode modified with 2-mercaptosuccinic acid self-assembled monolayer. <i>Analytica Chimica Acta</i> , 2007, 601, 164-171.	5.4	51
4	Determination of silver(I) by flame atomic absorption spectrometry after separation/preconcentration using modified magnetite nanoparticles. <i>Scientia Iranica</i> , 2011, 18, 790-796.	0.4	50
5	A new simple method for determining the critical micelle concentration of surfactants using surface plasmon resonance of silver nanoparticles. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	2.1	48
6	A sensitive biosensing method for detecting of ultra-trace amounts of AFB1 based on aptamer/reduced graphene oxide nano-bio interaction. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 98-105.	5.0	31
7	A novel rapid synthesis of Fe ₂ O ₃ /graphene nanocomposite using ferrate(VI) and its application as a new kind of nanocomposite modified electrode as electrochemical sensor. <i>Materials Research Bulletin</i> , 2015, 70, 856-864.	5.2	29
8	Bienzyme self-assembled monolayer on gold electrode: An amperometric biosensor for carbaryl determination. <i>Electrochimica Acta</i> , 2013, 114, 394-402.	5.2	28
9	Poly(Alizarin Red S)-Modified Glassy Carbon Electrode for Simultaneous Electrochemical Determination of Levodopa, Homovanillic Acid and Ascorbic Acid. <i>Electroanalysis</i> , 2014, 26, 2491-2500.	2.9	28
10	Electrochemical characterization of directly immobilized glucose oxidase on gold mercaptosuccinic anhydride self-assembled monolayer. <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 415-423.	7.8	26
11	Solid phase extraction of trace amounts of silver (I) using dithizone-immobilized alumina-coated magnetite nanoparticles prior to determination by flame atomic absorption spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1325-1340.	3.3	23
12	Electrochemical investigation of the anodic corrosion of Pb-Ca-Sn-Li grid alloy in H ₂ SO ₄ solution. <i>Journal of Power Sources</i> , 2007, 164, 890-895.	7.8	22
13	Synthesis, characterization, and application of MgO/ZnO nanocomposite supported on activated carbon for photocatalytic degradation of methylene blue. <i>Research on Chemical Intermediates</i> , 2015, 41, 6157-6168.	2.7	22
14	Solid phase extraction of trace amounts of Pb(II) in opium, heroin, lipstick, plants and water samples using modified magnetite nanoparticles prior to its atomic absorption determination. <i>Journal of the Iranian Chemical Society</i> , 2012, 9, 171-180.	2.2	19
15	Fe ³⁺ -Clinoptilolite/graphene oxide and layered MoS ₂ @Nitrogen doped graphene as novel graphene based nanocomposites for DMFC. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16741-16751.	7.1	19
16	Immobilization of L-histidine oxidase on gold-mercaptopropionic acid self-assembled monolayer: Preparation and electrochemical characterization. <i>Bioelectrochemistry</i> , 2009, 75, 124-129.	4.6	18
17	Electrocatalytic determination of chlorpromazine drug using Alizarin Red S as a mediator on the glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 34-41.	0.9	18
18	Electrocatalytic activities of gold-5-amino-2-mercaptobenzimidazole-Mn ⁺ self-assembled monolayer complexes (Mn ⁺ : Ag ⁺ , Cu ²⁺) for hydroquinone oxidation investigated by CV and EIS. <i>Electrochimica Acta</i> , 2008, 53, 4185-4192.	5.2	17

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19	Electrochemical behavior of inorganic-organic hybrid polyoxometalate ((Cys) ₃ [PW ₁₂ O ₄₀]) nanostructure self-assembled monolayer on polycrystalline gold electrode surfaces. <i>New Journal of Chemistry</i> , 2019, 43, 1388-1397.	2.8	16
20	Comparative electrochemical behavior of glucose oxidase covalently immobilized on mono-, di- and tetra-carboxylic acid functional Au-thiol SAMs via anhydride-derivatization route. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 195-204.	7.8	15
21	Separation/Preconcentration and Speciation Analysis of Trace Amounts of Arsenate and Arsenite in Water Samples Using Modified Magnetite Nanoparticles and Molybdenum Blue Method. <i>Journal of Chemistry</i> , 2014, 2014, 1-9.	1.9	15
22	Speciation Analysis of Cr(III) and Cr(VI) after Solid Phase Extraction Using Modified Magnetite Nanoparticles. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1339-1346.	1.4	14
23	Cu ²⁺ loaded "zeolite A"/ nitrogen-doped graphene as a novel hybrid for simultaneous voltammetry determination of carbamazepine and dopamine. <i>Materials Chemistry and Physics</i> , 2019, 225, 137-144.	4.0	12
24	Highly sensitive detection of dopamine, ascorbic and uric acid with a nanostructure of dianix yellow/multi-walled carbon nanotubes modified electrode. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 163, 107893.	5.0	12
25	A new sorbent based on MWCNTs modification for separation/preconcentration of trace amounts of Cd(II), Cr(III), Cu(II), Ni(II), and Pb(II) and their determination by flame atomic absorption spectrometry. <i>Journal of Analytical Science and Technology</i> , 2015, 6, .	2.1	11
26	Application of Modified Magnetite Nanoparticles as a New Sorbent for Separation/Preconcentration of Mercury(II) Trace Amounts and its Determination by Cold Vapor Atomic Absorption Spectrometry. <i>Croatica Chemica Acta</i> , 2014, 87, 129-136.	0.4	9
27	Nanostructured base electrochemical sensor for voltammetric determination of homocysteine using a modified single-walled carbon nanotubes paste electrode. <i>Ionics</i> , 2014, 20, 1481-1488.	2.4	9
28	Electrocatalytic determination of Cd ²⁺ and Pb ²⁺ using an L-cysteine tungstophosphate self-assembled monolayer on a polycrystalline gold electrode. <i>New Journal of Chemistry</i> , 2019, 43, 14417-14425.	2.8	9
29	Fabrication and electrochemical study of K(1,1- C_2F_5 -1,4) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (Butanediyl)dipyridinium for electrocatalytic detection of nitrite. <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115139.	3.8	9
30	SEPARATION/PRECONCENTRATION AND DETERMINATION OF TRACE AMOUNTS OF PALLADIUM USING MODIFIED ALUMINA COATED MAGNETITE NANOPARTICLES WITHOUT CHELATING AGENT. <i>Journal of the Chilean Chemical Society</i> , 2014, 59, 2248-2251.	1.2	5
31	Sensitive Electrochemical Detection of Dopamine, Uric and Ascorbic Acids Based on poly-(Dianix) Tj ETQq1 1 0.784314 rgBT /Overlock 1.3	1.3	5
32	Highly Sensitive Detection of Dopamine, Ascorbic and Uric Acids using Dianix Yellow/Multi-walled Carbon Nanotubes Modified Electrode. <i>Journal of Analytical Chemistry</i> , 2020, 75, 366-377.	0.9	5
33	Graphitic carbon nitride-graphene nanoplates; Application in the sensitive electrochemical detection of noscapine. <i>Synthetic Metals</i> , 2020, 268, 116489.	3.9	4
34	Poly-Dianix Blue/Multi-Walled Carbon Nanotube Modified Electrode for Detection of Levodopa in the Presence of High Concentrations of Ascorbic and Uric Acids. <i>Acta Chimica Slovenica</i> , 2017, 64, 193-201.	0.6	4
35	Impedimetric glucose biosensing based on drop-cast of porous graphene, nafion, ferrocene, and glucose oxidase biocomposite optimized by central composite design. <i>Journal of Electroanalytical Chemistry</i> , 2022, 919, 116544.	3.8	4
36	Signal promoting role of a p-type transition metal dichalcogenide used for the detection of ultra-trace amounts of diclofenac via a labeled aptasensor. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 823-831.	4.4	3