

Esmaeil Shams

List of Publications by Year in descending order

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69
papers

2,131
citations

201575

27
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243529

44
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69
all docs

69
docs citations

69
times ranked

2647
citing authors

#	ARTICLE	IF	CITATIONS
1	Waterborne polyurethane nanocomposite incorporated with phytic acid intercalated layered double hydroxides: A highly stable aqueous dispersion with desired corrosion protection capability. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4014-4028.	1.6	10
2	A new approach in deep desulfurization of model fuel through integration of electrochemical oxidation and liquid-liquid extraction in a biphasic system. <i>Separation and Purification Technology</i> , 2021, 275, 119087.	3.9	5
3	An enzymatic performance for a new swift magnetically detachable bio-conjugate of <i>Candida rugosa</i> lipase with modified Fe ₃ O ₄ @graphene oxide nanocomposite. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 367-382.	1.2	2
4	Pt@Ru nanoparticles anchored on poly(brilliant cresyl blue) as a new polymeric support: Application as an efficient electrocatalyst in methanol oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 849-860.	3.8	20
5	Nickel-cysteine nanoparticles: Synthesis, characterization and application for direct electron transfer studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 135-143.	2.5	4
6	Aqueous dispersion of polyurethane nanocomposites based on calix[4]arenes modified graphene oxide nanosheets: Preparation, characterization, and anti-corrosion properties. <i>Chemical Engineering Journal</i> , 2018, 349, 466-480.	6.6	119
7	Synthesis of iron oxide nanoparticles modified mesoporous carbon and investigation of its application for removing dibenzothiophene from fuel model. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 179-188.	1.7	3
8	Modification of glassy carbon electrode with iron-terpyridine complex and iron-terpyridine complex covalently bonded to ordered mesoporous carbon substrate: Preparation, electrochemistry and application to H ₂ O ₂ determination. <i>Journal of Electroanalytical Chemistry</i> , 2017, 789, 92-99.	1.9	12
9	Efficient desulfurization of fuel with functionalized mesoporous carbon CMK-3-O and comparison its performance with mesoporous carbon CMK-3. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2016, 24, 786-795.	1.0	10
10	Construction of a biointerface for glucose oxidase through diazonium chemistry and electrostatic self-assembly technique. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 429-438.	1.2	6
11	Covalent modification of ordered mesoporous carbon with glucose oxidase for fabrication of glucose biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2015, 752, 60-67.	1.9	21
12	Synthesis of magnetic ordered mesoporous carbon (Fe-OMC) adsorbent and its evaluation for fuel desulfurization. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 390, 1-7.	1.0	22
13	Ionic Liquid-based Extraction of Sulfur Compounds From Gasoline as a Complementary Process to Oxidative Desulfurization. <i>Petroleum Science and Technology</i> , 2014, 32, 1537-1544.	0.7	12
14	Shape-dependent electron transfer kinetics and catalytic activity of NiO nanoparticles immobilized onto DNA modified electrode: Fabrication of highly sensitive enzymeless glucose sensor. <i>Biosensors and Bioelectronics</i> , 2014, 56, 313-319.	5.3	67
15	Preconcentration of Pb ²⁺ by iron oxide/amino-functionalized silica core-shell magnetic nanoparticles as a novel solid-phase extraction adsorbent and its determination by flame atomic absorption spectrometry. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 325-332.	1.2	7
16	Fabrication of carbon paste electrode containing a new inorganic-organic hybrid based on [SiW ₁₂ O ₄₀] ⁴⁻ polyoxoanion and Nile blue and its electrocatalytic activity toward nitrite reduction. <i>Journal of Electroanalytical Chemistry</i> , 2013, 704, 80-85.	1.9	29
17	A glucose biosensor based on direct attachment of in situ generated nile blue diazonium cations to the electrode surface. <i>Journal of Electroanalytical Chemistry</i> , 2013, 703, 146-152.	1.9	9
18	Palladium(II) phosphine-ylide complexes as highly efficient pre-catalysts in additive- and amine-free Sonogashira coupling reactions performed under aerobic and low Pd loading conditions. <i>Tetrahedron Letters</i> , 2013, 54, 4656-4660.	0.7	35

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19	Direct Modification of a Glassy Carbon Electrode with Toluidine Blue Diazonium Salt: Application to NADH Determination and Biosensing of Ethanol. <i>Electroanalysis</i> , 2013, 25, 1917-1925.	1.5	15
20	Electrocatalytic Oxidation of Cysteine at a CoSalophen/ <i>n</i> -butyl ₄ SiW ₁₂ O ₄₀ Carbon Paste Electrode.	1.5	5
21	A glucose biosensor based on direct electron transfer of glucose oxidase immobilized onto glassy carbon electrode modified with nitrophenyl diazonium salt. <i>Electrochimica Acta</i> , 2013, 112, 640-647.	2.6	32
22	Synthesis of magnetic mesoporous carbon and its application for adsorption of dibenzothiophene. <i>Fuel Processing Technology</i> , 2013, 106, 376-384.	3.7	69
23	New Robust Redox and Conducting Polymer Modified Electrodes for Ascorbate Sensing and Glucose Biosensing. <i>Electroanalysis</i> , 2013, 25, 77-84.	1.5	25
24	Electrocatalytic activity of nickel oxide nanoparticles as mediatorless system for NADH and ethanol sensing at physiological pH solution. <i>Biosensors and Bioelectronics</i> , 2013, 45, 260-266.	5.3	61
25	Synthesis, characterization, thermal, electrochemical, and DFT studies of mononuclear cyclopalladated complexes containing bidentate phosphine ligands and their biological evaluation as antioxidant and antibacterial agents. <i>Comptes Rendus Chimie</i> , 2013, 16, 159-175.	0.2	23
26	New redox and conducting polymer modified electrodes for cholesterol biosensing. <i>Analytical Methods</i> , 2013, 5, 1199.	1.3	21
27	A new bifunctional electrochemical sensor for oxidation of cysteine and reduction of iodate. <i>Journal of Electroanalytical Chemistry</i> , 2013, 704, 249-254.	1.9	21
28	Ordered mesoporous carbon CMK-5 as a potential sorbent for fuel desulfurization: Application to the removal of dibenzothiophene and comparison with CMK-3. <i>Microporous and Mesoporous Materials</i> , 2013, 168, 239-246.	2.2	98
29	Removal of Zinc from Aqueous Solutions by Magnetite Silica Core-Shell Nanoparticles. <i>Journal of Chemistry</i> , 2013, 2013, 1-10.	0.9	25
30	Development and characterization of poly(3,4-ethylenedioxythiophene)-coated poly(methylene Terephthalate) nanofibers. <i>Journal of Applied Polymer Science</i> , 2013, 107, 1-10.	2.1	23
31	Desulfurization From Model of Gasoline by Extraction With Synthesized [BF ₄] ⁻ and [PF ₆] ⁻ -based Ionic Liquids. <i>Petroleum Science and Technology</i> , 2012, 30, 1619-1628.	0.7	16
32	Enhancement of stability and catalytic activity of immobilized lipase on silica-coated modified magnetite nanoparticles. <i>Chemical Engineering Journal</i> , 2012, 179, 272-276.	6.6	162
33	DNA/nickel oxide nanoparticles/osmium(III)-complex modified electrode toward selective oxidation of L-cysteine and simultaneous detection of L-cysteine and homocysteine. <i>Bioelectrochemistry</i> , 2012, 86, 9-21.	2.4	43
34	Silica gel modified carbon paste electrode for electrochemical detection of insulin. <i>Electrochimica Acta</i> , 2011, 56, 4390-4395.	2.6	63
35	Covalent modification of glassy carbon electrode by Nile blue: Preparation, electrochemistry and electrocatalysis. <i>Electrochimica Acta</i> , 2010, 55, 7246-7253.	2.6	32
36	Immobilization of Thiadiazole Derivatives on Magnetite Mesoporous Silica Shell Nanoparticles in Application to Heavy Metal Removal from Biological Samples. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	4

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37	Application of silica gel as an effective modifier for the voltammetric determination of dopamine in the presence of ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2009, 54, 7416-7421.	2.6	33
38	Fabrication of carbon paste electrode containing [PFeW ₁₁ O ₃₉] ⁴⁻ polyoxoanion supported on modified amorphous silica gel and its electrocatalytic activity for H ₂ O ₂ reduction. <i>Electrochimica Acta</i> , 2009, 54, 3495-3500.	2.6	51
39	Voltammetric determination of dopamine at a zirconium phosphated silica gel modified carbon paste electrode. <i>Bioelectrochemistry</i> , 2009, 75, 83-88.	2.4	41
40	Hydrocarbon oxidation catalyzed by vanadium polyoxometalate supported on mesoporous MCM-41 under ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 438-447.	3.8	52
41	Catalytic epoxidation of olefins with hydrogen peroxide by hybrid complex containing nickel(III) Schiff base complex covalently linked to polyoxometalate. <i>Applied Catalysis A: General</i> , 2008, 334, 106-111.	2.2	60
42	Olefin epoxidation with H ₂ O ₂ catalyzed by vanadium-containing polyphosphomolybdates immobilized on TiO ₂ nanoparticles under different conditions. <i>Catalysis Communications</i> , 2008, 9, 1001-1009.	1.6	18
43	Fabrication of bulk-modified carbon paste electrode containing [PW ₁₂ O ₄₀] ³⁻ polyanion supported on modified silica gel: Preparation, electrochemistry and electrocatalysis. <i>Talanta</i> , 2008, 74, 909-914.	2.9	41
44	Simultaneous Determination of Iron, Copper, and Cadmium by Adsorptive Stripping Voltammetry in the Presence of Thymolphthaleone. <i>Electroanalysis</i> , 2007, 19, 978-985.	1.5	25
45	Selective response of dopamine in the presence of ascorbic acid on carbon paste electrode modified with titanium phosphated silica gel. <i>Analytica Chimica Acta</i> , 2007, 587, 110-115.	2.6	39
46	Simultaneous Determination of Copper, Bismuth and Lead by Adsorptive Stripping Voltammetry in the Presence of Thymolphthaleone. <i>Analytical Sciences</i> , 2006, 22, 955-959.	0.8	24
47	Determination of nanomolar concentrations of cadmium by anodic-stripping voltammetry at a carbon paste electrode modified with zirconium phosphated amorphous silica. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 86-92.	4.0	74
48	Trace determination of molybdenum by adsorptive cathodic stripping voltammetry. <i>Journal of the Iranian Chemical Society</i> , 2006, 3, 32-37.	1.2	14
49	Determination of Nanomolar Concentrations of Pb(II) Using Carbon Paste Electrode Modified with Zirconium Phosphated Amorphous Silica. <i>Electroanalysis</i> , 2006, 18, 773-778.	1.5	24
50	Anodic Stripping Voltammetric Determination of Lead(II) with a 2-Aminopyridinated-Silica Modified Carbon Paste Electrode. <i>Analytical Letters</i> , 2006, 39, 2643-2655.	1.0	11
51	Ion-pair extraction of cadmium complex anions from hydrochloric acid media using oxonium ion-dicyclohexyl-18-crown-6 complex. <i>Separation and Purification Technology</i> , 2005, 42, 175-180.	3.9	28
52	Simultaneous Determination of Copper and Bismuth by Anodic Stripping Voltammetry Using H-Point Standard Addition Method with Simultaneous Addition of Analytes. <i>Electroanalysis</i> , 2005, 17, 1589-1594.	1.5	12
53	Simultaneous determination of copper, zinc and lead by adsorptive stripping voltammetry in the presence of Morin. <i>Analytica Chimica Acta</i> , 2004, 501, 119-124.	2.6	80
54	H-point standard addition method in the analysis by differential pulse anodic stripping voltammetry. <i>Talanta</i> , 2004, 63, 359-364.	2.9	45

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55	Application of adsorptive stripping voltammetry to the determination of bismuth and copper in the presence of morin. <i>Analytica Chimica Acta</i> , 2003, 491, 63-69.	2.6	37
56	Determination of Trace Amounts of Thallium by Adsorptive Cathodic Stripping Voltammetry with Xylenol Orange.. <i>Analytical Sciences</i> , 2002, 18, 993-996.	0.8	10
57	A selective uphill transport of copper through bulk liquid membrane using Janus Green as an anion carrier. <i>Separation and Purification Technology</i> , 2002, 26, 221-226.	3.9	19
58	Electrochemical Properties of Glutathione Monolayer on Mercury Surface. <i>Electroanalysis</i> , 2002, 14, 711.	1.5	9
59	Determination of Copper by Adsorptive Stripping Voltammetry of Its Complex with Adenine. <i>Electroanalysis</i> , 2002, 14, 929.	1.5	22
60	Determination of Trace Amount of Bismuth(III) by Adsorptive Stripping Voltammetry by Alizarine Red S. <i>Electroanalysis</i> , 2001, 13, 1140-1142.	1.5	9
61	Determination of Trace Amounts of Copper by Adsorptive Stripping Voltammetry. <i>Analytical Letters</i> , 2000, 33, 465-478.	1.0	9
62	Highly selective and sensitive kinetic spectrophotometric determination of vanadium(IV) in the presence of vanadium(V). <i>Analytica Chimica Acta</i> , 2000, 409, 283-289.	2.6	26
63	Highly sensitive and selective measurements of cobalt by catalytic adsorptive cathodic stripping voltammetry. <i>Talanta</i> , 2000, 51, 1117-1123.	2.9	25
64	Selective and efficient liquid membrane transport of gold as gold cyanide using an anion carrier. <i>Journal of Membrane Science</i> , 1999, 157, 171-176.	4.1	7
65	Determination of trace amounts of copper(II) by adsorptive stripping voltammetry of its complex with pyrogallol red. <i>Analytica Chimica Acta</i> , 1999, 385, 265-272.	2.6	43
66	Selective determination of ultra trace concentrations of molybdenum by catalytic adsorptive stripping voltammetry. <i>Analytica Chimica Acta</i> , 1999, 396, 215-220.	2.6	33
67	Kinetic spectrophotometric determination of trace amounts of selenium and vanadium. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 365, 504-510.	1.5	9
68	Selective transport of silver ions through bulk liquid membrane using Victoria blue as carrier. <i>Talanta</i> , 1999, 48, 1167-1172.	2.9	30
69	Selective and efficient transport of Hg(II) through bulk liquid membrane using methyl red as carrier. <i>Journal of Membrane Science</i> , 1998, 144, 37-43.	4.1	40