Hassan Ali Zamani

List of Publications by Year
in descending order

94	3,342	94433 37	175258 52
papers	citations	h-index	g-index

97	97	97	966
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly selective and sensitive chromium(III) membrane sensors based on 4-amino-3-hydrazino-6-methyl-1,2,4-triazin-5-one as a new neutral ionophore. Sensors and Actuators B: Chemical, 2006, 119, 41-46.	7.8	91
2	Determination of gadolinium(III) ions in soil and sediment samples by a novel gadolinium membrane sensor based on 6-methyl-4-{[1-(2-thienyl)methylidene]amino}3-thioxo-3,4-dihydro-1,2,4-triazin-5-(2H)-one. Analytica Chimica Acta, 2007, 598, 51-57.	5.4	89
3	Determination of terbium(III) ions in phosphate rock samples by a Tb3+â€“PVC membrane sensor based on N, N-Dimethyl-Nâ€², Nâ€³-bis(4-methoxyphenyl)phosphoramidate. Materials Science and Engineering C, 2008, 28, 1489-1494.	7.3	84
4	Determination of Cr3+ ions in biological and environmental samples by a chromium(III) membrane sensor based on 5-amino-1-phenyl-1H-pyrazole-4-carboxamide. Desalination, 2009, 249, 560-565.	8.2	84
5	Construction of a highly selective PVC-based membrane sensor for Ce(III) ions. Sensors and Actuators B: Chemical, 2007, 120, 545-550.	7.8	81
6	Fabrication of a novel holmium(III) PVC membrane sensor based on 4-chloro-1,2-bis(2-pyridinecarboxamido)benzene as a neutral ionophore. Journal of Applied Electrochemistry, 2007, 37, 853-859.	2.9	78
7	Silica Gel-Supported Polyphosphoric Acid (PPA-SiO₂) Catalyzed One-Pot Multi-Component Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones and -thiones: An Efficient Method for the Biginelli Reaction. Bulletin of the Korean Chemical Society, 2011, 32, 656-658.	1.9	76
8	A new ytterbium(III) PVC membrane electrode based on 6-methy-4-{[1-(1H-pyrrol-2-yl)methylidene]amino}-3-thioxo-3,4dihydro-1,2,4-triazin-5(2H)-one. Talanta, 2007, 72, 1093-1099.	5.5	74
9	Highly selective and sensitive thiocyanate membrane electrode based on nickel(II)-1,4,8,11,15,18,22,25-octabutoxyphthalocyanine. Analytica Chimica Acta, 2006, 555, 336-340.	5.4	71
10	Synthesis of N'-(1-Pyridin-2-ylmethylene)-2-furohydrazide and Its Application in Construction of a Highly Selective PVC-Based Membrane Sensor for La(III) Ions. Analytical Sciences, 2006, 22, 943-948.	1.6	69
11	Application of Novel Praseodymium (III) PVCâ€Membrane Electrode for Determination of Pr(III) Ions in Soil and Sediment Samples. Analytical Letters, 2008, 41, 902-916.	1.8	69
12	Determination of neodymium(III) ions in soil and sediment samples by a novel neodymium(III) sensor based on benzyl bisthiosemicarbazone. Electrochimica Acta, 2007, 53, 1870-1876.	5.2	68
13	Cd(II) PVC-Based Membrane Sensor Based on <I>N</I>â€²-[1-(2-furyl)methylidene]-2-furohydrazide. Sensor Letters, 2006, 4, 345-350.	0.4	64
14	Construction of Tm3+-PVC membrane sensor based on 1-(2-thiazolylazo)-2-naphthol as sensing material. Materials Science and Engineering C, 2010, 30, 480-483.	7.3	63
15	A novel iron (III)-PVC membrane potentiomeric sensor based on N-(2-hydroxyethyl)ethylenediamine-N,N',N"-triacetic acid. Materials Science and Engineering C, 2008, 28, 1551-1555.	7.3	61
16	Zinc(II) PVC-based membrane sensor based on 5,6-benzo-4,7,13,16,21,24-hexaoxa-1,10-diazabicyclo[8,8,8]hexacos-5-ene. Journal of the Brazilian Chemical Society, 2006, 17, 149-155.	0.6	60
17	Fabrication of an iron(III) PVC-membrane sensor based on bis-benzilthiocarbohydrazide as a selective sensing material. Materials Science and Engineering C, 2009, 29, 1535-1539.	7.3	60
18	Neodymium(III)â€“PVC membrane sensor based on a new four dentate ionophore. Materials Science and Engineering C, 2011, 31, 588-592.	7.3	60

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19	Strontium PVC-membrane sensor based on 2-[(2-mercaptophenylimino)methyl]phenol. Materials Science and Engineering C, 2008, 28, 157-163.	7.3	59
20	Heptadentate Schiff-base based PVC membrane sensor for Fe(III) ion determination in water samples. Materials Science and Engineering C, 2012, 32, 564-568.	7.3	59
21	Fe(III) Ionâ€Selective Membrane Electrode Based on 4â€Aminoâ€6â€methylâ€3â€methylmercaptoâ€1,2,4â€triazinâ€5â€one. Analytical Letters, 2007, 40, 1596-1609.	1.8	57
22	Fabrication of a new samarium(III) ion-selective electrode based on 3-{[2-oxo-1(2h)-acenaphthylenyliden]amino}-2-thioxo -1,3-thiazolidin-4-one. Journal of the Brazilian Chemical Society, 2007, 18, 215-222.	0.6	54
23	Construction of barium (II) PVC membrane electrochemical sensor based on 3-deoxy-d-erythro-hexos-2-ulose bis (thiosemicarbazone) as a novel ionophore. Desalination, 2010, 250, 56-61.	8.2	54
24	Europium (III) PVC membrane sensor based on N-pyridine-2-carboxamido-8-aminoquinoline as a sensing material. Materials Science and Engineering C, 2012, 32, 447-451.	7.3	53
25	A New Europium(III) PVC Membrane Potentiometric Sensor Based on 4-(2-Hydroxybenzylideneamino)-6-methyl-3-thioxo-3,4-dihydro-1,2,4-triazin-5(2H)-one. Bulletin of the Chemical Society of Japan, 2007, 80, 172-177.	3.2	51
26	Cobalt(II) Ion Detection in Electroplating Wastewater by a New Cobalt Ion-Selective Electrode Based on Nâ€²-[1-(2-thienyl)ethylidene]-2-furohydrazide. Sensor Letters, 2007, 5, 522-527.	0.4	51
27	Cr(III) Ion-Selective Membrane Sensor Based on 1,3-Diamino-2-Hydroxypropane-N,N,Nâ€²,Nâ€² Tetraacetic Acid. Sensor Letters, 2007, 5, 516-521.	0.4	50
28	A novel lutetium(III) PVC membrane sensor based on a new symmetric Sâ€“N Schiff's base for Lu(III) analysis in real sample. Materials Science and Engineering C, 2010, 30, 917-920.	7.3	49
29	Gadolinium(III) ion selective sensor using a new synthesized Schiff's base as a sensing material. Materials Science and Engineering C, 2012, 32, 712-717.	7.3	49
30	Determination of cerium(III) ions in soil and sediment samples by Ce(III) PVC-based membrane electrode based on 2,5-dioxo-4-imidazolidinyl. International Journal of Environmental Analytical Chemistry, 2008, 88, 353-362.	3.3	48
31	Quantitative monitoring of terbium ion by a Tb3+ selective electrode based on a new Schiff's base. Materials Science and Engineering C, 2011, 31, 409-413.	7.3	47
32	Construction of Nickel (II) PVC Membrane Electrochemical Sensor Based on 5-Methoxy-5,6-Diphenyl-4,5 Dihydro-3(2H)-Pyridazinethione as a Novel Ionophore. Sensor Letters, 2008, 6, 759-764.	0.4	43
33	Construction of Strontium PVC-Membrane Sensor Based on Salicylaldehyde Thiosemicarbazone. Analytical Letters, 2008, 41, 1850-1866.	1.8	40
34	Fabrication of an Ironâ€“PVC Membrane Sensor Based on 5-Amino-3-Methyl-1-Phenyl-1H-Pyrazole-4-Carboxamide. Sensor Letters, 2009, 7, 114-118.	0.4	40
35	Determination of Erbium Ions in Water Samples by a PVC Membrane Erbium-Ion Selective Electrode. Sensor Letters, 2010, 8, 303-307.	0.4	40
36	Barium(II)-PVC Membrane Sensor Based on 4-4â€²-Methylenediantipyrine as a Neutral Carrier. Analytical Letters, 2008, 41, 2251-2266.	1.8	39

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37	2,3-Diphenylquinoxaline-4â€²,4â€³-dioxytriethylene glycol as a sensing and selective material for construction of strontium-PVC membrane sensor. Materials Science and Engineering C, 2009, 29, 976-979.	7.3	38
38	Dysprosium(III) Ion-Selective Electrochemical Sensor Based on 6-Hydrazino-1,5-diphenyl-6,7-dihydropyrazolo[3,4-d]pyrimidine-4(5H)-imine. Collection of Czechoslovak Chemical Communications, 2007, 72, 1189-1206.	1.0	37
39	Quantitative Monitoring of Erbium Ion in Alloy Samples by a Erbium Selective Sensor. Sensor Letters, 2011, 9, 1745-1749.	0.4	37
40	Thulium(III) Sensor Based on a Derivative of Thiourea Doped in Polymeric Membrane. Sensor Letters, 2011, 9, 1767-1773.	0.4	36
41	Fabrication of a Praseodymium(III) PVC-Membrane Sensor Based on Nâ€²¹,Nâ€²²-Bis(2-oxo-1,2-diphenylethylidene) ethanedihydrazide. Analytical Letters, 2009, 42, 555-570.	1.8	35
42	Dysprosium selective potentiometric membrane sensor. Materials Science and Engineering C, 2013, 33, 608-612.	7.3	35
43	Di-tert-butylazodicarboxylate based PVC membrane sensor for Fe(III) ion measurement in pharmaceutical formulation. Materials Science and Engineering C, 2011, 31, 574-578.	7.3	34
44	Synthesis of 4-amino-6-methyl-1,2,4-triazin-5-one-3-thione and its application in construction of a highly copper(II) ion-selective electrochemical sensor. Journal of the Brazilian Chemical Society, 2005, 16, 1061-1067.	0.6	33
45	Terbium(III) Ion-Selective Electrochemical Sensor Based on Hematoporphyrin. Analytical Letters, 2009, 42, 298-311.	1.8	33
46	Electrochemical Sensors and Biosensors. International Journal of Electrochemistry, 2011, 2011, 1-2.	2.4	33
47	Quantitative Monitoring of Thulium Ions by a New Thulium Selective Polymeric Membrane Sensor. Sensor Letters, 2012, 10, 112-116.	0.4	33
48	Erbium(III) PVC Membrane Ion-Selective Sensor based on 4-(2-Thiazolylazo)resorcinal. Analytical Letters, 2009, 42, 284-297.	1.8	32
49	Application of 1-ethyl-3-(2,5-dihydro-4-(3,5-dimethyl-1H-pyrazol-4-yl)-5-oxo-1H-pyrazol-3-yl)thiourea as sensing material for construction of Tm3+-PVC membrane sensor. Materials Science and Engineering C, 2011, 31, 1379-1382.	7.3	30
50	Fabrication of a PVC membrane samarium(III) sensor based on N,Nâ€²,Nâ€³-tris(4-pyridyl)trimesic amide as a selectophore. Materials Science and Engineering C, 2013, 33, 870-874.	7.3	30
51	Determination of Fluoride Ions in Mouthwash Samples by a PVC Membrane Samarium(III) Sensor. Analytical Letters, 2009, 42, 615-629.	1.8	28
52	Nano-molar level determination of isoprenaline in pharmaceutical and clinical samples; A nanostructure electroanalytical strategy. Eurasian Chemical Communications, 2020, 2, 702-711.	0.9	28
53	Praseodymium analysis in aqueous solution by Pr3+â€“PVC membrane sensor based on N,Nâ€²-bis(4-hydroxysalicylidene)-1-3-phenylenediamine. Materials Science and Engineering C, 2011, 31, 307-312.	7.3	27
54	A Ho(III) potentiometric polymeric membrane sensor based on a new four dentate neutral ion carrier. Materials Science and Engineering C, 2013, 33, 984-988.	7.3	27

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55	Samarium(III)-PVC-Membrane Sensor Based on Ethoxy-1-ethoxycarbonyl-1,2-dihydroquinoline. Analytical Letters, 2009, 42, 2838-2852.	1.8	25
56	Hydrodistilled Volatile Oil Constituents of the Aerial Parts of Prangos serpentinica (Rech.f.,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Simulation. Journal of Essential Oil-bearing Plants: JEOP, 2011, 14, 559-573.	1.9	25
57	A new selectophore for gadolinium selective sensor. Materials Science and Engineering C, 2014, 43, 488-493.	7.3	23
58	Determination of Dysprosium(III) Ion in Soil and Sediment Samples by an Original Potentiometric Dysprosium(III) Membrane Sensor. Analytical Letters, 2008, 41, 2710-2726.	1.8	22
59	Ultrasensitive flow-injection electrochemical method for detection of anticancer drug tamoxifen. Talanta, 2009, 77, 1075-1080.	5.5	21
60	Construction of Eu³⁺Ion-Selective Electrode Based on 1,2-Diaminopropane-N,N,N',N'-tetraacetic acid. E-Journal of Chemistry, 2011, 8, S467-S473.	0.5	21
61	Determination of Nd3+Ions in Solution Samples by a Coated Wire Ion-Selective Sensor. E-Journal of Chemistry, 2012, 9, 83-88.	0.5	21
62	Liquid membrane potentiometric sensor for determination of Fe3+ ion. Journal of Analytical Chemistry, 2014, 69, 1073-1078.	0.9	21
63	Magnesium-PVC Membrane Sensor Based on 4,5-Bis(Benzoylthio)-1,3-Dithiole-2-Thione. Analytical Letters, 2008, 41, 2727-2742.	1.8	20
64	N1,N2-Bis[1-(2-hydroxyphenyl)methylidene]ethanedihydrazide as a neutral ionophore for preparation of a new Ho3+ PVC-membrane sensor. Chinese Chemical Letters, 2011, 22, 701-704.	9.0	20
65	Chemical Composition of the Essential Oil from Aerial Parts ofAjuga chamaecistusGing. subsp. Scopria in Brackish Regions of Iran. Journal of Essential Oil-bearing Plants: JEOP, 2011, 14, 101-105.	1.9	20
66	Gadolinium(III) Ion-Selective Electrode Based on 3-Methyl-1H-1,2,4-triazole-5-thiol. E-Journal of Chemistry, 2012, 9, 308-312.	0.5	20
67	Neodymium(III) PVC Membrane Electrodchemical Sensor Based on N-benzoylethylidene-2-aminobenzylamine. E-Journal of Chemistry, 2012, 9, 1941-1950.	0.5	19
68	Fabrication of an iron(III)-selective PVC membrane sensor based on a bis-bidentate Schiff base ionophore. Transition Metal Chemistry, 2008, 33, 995-1001.	1.4	18
69	Erbium(III) PVC membrane sensor based on N-(benzyloxycarbonyloxy)succinimide as a new neutral ionophore. Chinese Chemical Letters, 2011, 22, 346-349.	9.0	18
70	7-Deazaadenines: synthesis of some new pyrrolo[2,3-d]pyrimidin-4-amines. Monatshefte FÃ¼r Chemie, 2013, 144, 677-680.	1.8	18
71	Application of 2,2â€²-dithiobis(4-methylthiazole) as sensing material for construction of Lu3+ PVC-membrane sensor. Chinese Chemical Letters, 2011, 22, 977-980.	9.0	17
72	NiO/SWCNTs coupled with an ionic liquid composite for amplified carbon paste electrode; A feasible approach for improving sensing ability of adrenalone and folic acid in dosage form. Journal of Pharmaceutical and Biomedical Analysis, 2020, 188, 113393.	2.8	17

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73	A New Electrochemical Platform for Dasatinib Anticancer Drug Sensing Using Fe3O4-SWCNTs/Ionic Liquid Paste Sensor. Micromachines, 2021, 12, 437.	2.9	17
74	MONITORING OF IRON (III) IONS WITH A FE3+-PVC MEMBRANE SENSOR BASED ON 4, 4'-DIMETHOXYBENZIL BISTHIOSEMICARBAZONE. Journal of the Chilean Chemical Society, 2009, 54, .	1.2	16
75	A sensitive electroanalytical sensor amplified with Pd-ZnO nanoparticle for determination of Sunset Yellow in real samples. Eurasian Chemical Communications, 2020, 2, 760-770.	0.9	16
76	PVC-Membrane Potentiometric Electrochemical Sensor Based on 2-(4-Oxopentan-2-ylideneamino)isoindoline-1,3-dione for Selective Determination of Holmium(III). E-Journal of Chemistry, 2011, 8, S97-S104.	0.5	14
77	Chemical Composition of the Essential Oil from Aerial Parts ofSenicio gallicusChaix Growing Wild in Iran. Journal of Essential Oil-bearing Plants: JEOP, 2010, 13, 704-709.	1.9	13
78	Application ofN-Quinoline-2-carboxamido-8-aminoquinoline in Fabrication of a Ho(III)-PVC Membrane Sensor. E-Journal of Chemistry, 2011, 8, S237-S244.	0.5	13
79	Fabrication of a Ho3+-PVC membrane sensor based on N-phenyl-2-(thiophen-2-ylmethylene)hydrazinecarbothioamide for determination of holmium ions. Chinese Chemical Letters, 2011, 22, 201-204.	9.0	13
80	Construction of a novel potentiometric terbium(III) membrane sensor and its application for the determination of terbium ion in binary mixture and fluoride ion in a mouth wash preparation. Journal of the Brazilian Chemical Society, 2006, 17, .	0.6	13
81	Construction of Tb3+ PVC-MembraneElectrode Based on N,Nâ€™-Bis(pyrrolylmethylene)-2-aminobenzylamine. E-Journal of Chemistry, 2011, 8, S203-S210.	0.5	11
82	Monitoring of Anti Cancer Drug Letrozole by Fast Fourier Transform Continuous Cyclic Voltammetry at Gold Microelectrode. Chinese Journal of Chemistry, 2010, 28, 1133-1139.	4.9	10
83	Fabrication of a new nanocomposite modified carbon paste Al3+-ion selective electrode based on N,Nâ€²-dipyridoxyl (1,2-cyclohexanediamine) (PYCA) as an active material. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2016, 86, 351-357.	1.6	9
84	Determination of Ytterbium(III) Ions in Soil and Sediment Samples by a New Polymeric Yb³⁺-PVC Membrane Sensor. Analytical Letters, 2009, 42, 1041-1055.	1.8	8
85	A Comparative Investigation on Efficacy of Two Methodologies of Solid Phase Extraction for Separation and Preâ€Concentration of Trace Copper in Aqueous Samples Prior to Flame Atomic Absorption Spectrometric Determination. Journal of the Chinese Chemical Society, 2010, 57, 363-370.	1.4	8
86	New adsorptive square wave method for trace determination of prilocain in the flow injection system by a fast fourier analysis. Russian Journal of Electrochemistry, 2010, 46, 999-1006.	0.9	7
87	Highly sensitive voltammetric determination of NADH based on N-CQDs decorated SnO₂/ionic liquid/carbon paste electrode. Nanotechnology, 2022, 33, 195502.	2.6	7
88	Original Potentiometric Ytterbium(III) PVC-Membrane Sensor Based on N¹,N²-Bis-[1-(2-hydroxy-1,2-diphenyl)ethylidene]ethanedihydrazide. Analytical Letters, 2009, 42, 1014-1028.	1.8	5
89	Selective Determination of Erbium in the Mixture of Other Lanthanide Ions by a Potentiometric Sensor. Sensor Letters, 2013, 11, 571-575.	0.4	5
90	Quantitative Analysis of Holmium Ion by a Ho³⁺ Ionâ€Selective Sensor Based on a Symmetric Thioâ€Schiff's Base. Chinese Journal of Chemistry, 2011, 29, 1523-1528.	4.9	4

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91	A new PVC matrix membrane sensor for determination of praseodymium(III) ion based on bis(salicylaldehyde)thiocarbohydrazone as an ion carrier. Russian Journal of Electrochemistry, 2017, 53, 435-442.	0.9	4
92	Fast and Unique Electrochemical Sensor Amplified with MgO/CNTs and Ionic Liquid for Monitoring of Isuprel in Pharmaceutical and Biological Fluid Samples. Topics in Catalysis, 2022, 65, 739-746.	2.8	4
93	Tb3+PVC-Membrane Electrode Based on Letters, 2009, 42, 1958-1970.	1.8	3
94	Application of 1,4-Diaminoanthraquinone as a New Sensing Material for Fabrication of a Iron(III)-Selective Modified Carbon Paste Electrode. Russian Journal of Electrochemistry, 2018, 54, 747-754.	0.9	2