

# Mohammad R Ganjali

## List of Publications by Citations

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865  
papers

22,299  
citations

64  
h-index

89  
g-index

882  
ext. papers

24,771  
ext. citations

4.1  
avg, IF

7.49  
L-index

#	Paper	IF	Citations
865	Electrochemical Analysis of Some Toxic Metals by Ion-Selective Electrodes. <i>Critical Reviews in Analytical Chemistry</i> , <b>2011</b> , 41, 282-313	5.2	507
864	PVC-Based Hexathia-18-crown-6-tetraone Sensor for Mercury(II) Ions. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 3693-3696	7.8	170
863	Modeling of Reactive Blue 19 azo dye removal from colored textile wastewater using L-arginine-functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles: Optimization, reusability, kinetic and equilibrium studies. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 404, 179-189	2.8	168
862	Development of dispersive liquid-liquid microextraction combined with gas chromatography-mass spectrometry as a simple, rapid and highly sensitive method for the determination of phthalate esters in water samples. <i>Journal of Chromatography A</i> , <b>2007</b> , 1172, 105-12	4.5	164
861	Decoration of nitrogen-doped reduced graphene oxide with cobalt tungstate nanoparticles for use in high-performance supercapacitors. <i>Applied Surface Science</i> , <b>2017</b> , 423, 1025-1034	6.7	157
860	FRET-based aptamer biosensor for selective and sensitive detection of aflatoxin B1 in peanut and rice. <i>Food Chemistry</i> , <b>2017</b> , 220, 527-532	8.5	155
859	Electrochemical study of a novel high performance supercapacitor based on MnO <sub>2</sub> /nitrogen-doped graphene nanocomposite. <i>Applied Surface Science</i> , <b>2016</b> , 366, 552-560	6.7	144
858	Sample preparation method for the analysis of some organophosphorus pesticides residues in tomato by ultrasound-assisted solvent extraction followed by dispersive liquid-liquid microextraction. <i>Food Chemistry</i> , <b>2011</b> , 126, 1840-4	8.5	142
857	Schiff's Bases and Crown Ethers as Supramolecular Sensing Materials in the Construction of Potentiometric Membrane Sensors. <i>Sensors</i> , <b>2008</b> , 8, 1645-1703	3.8	139
856	Thermo-sensitive polymers in medicine: A review. <i>European Polymer Journal</i> , <b>2019</b> , 117, 402-423	5.2	136
855	A novel high selective and sensitive para-nitrophenol voltammetric sensor, based on a molecularly imprinted polymer-carbon paste electrode. <i>Talanta</i> , <b>2009</b> , 79, 1197-203	6.2	125
854	PVC-based 1,3,5-trithiane sensor for cerium(III) ions. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 2391-4	7.8	125
853	Visual detection of cancer cells by colorimetric aptasensor based on aggregation of gold nanoparticles induced by DNA hybridization. <i>Analytica Chimica Acta</i> , <b>2016</b> , 904, 92-7	6.6	124
852	A high performance supercapacitor based on a ceria/graphene nanocomposite synthesized by a facile sonochemical method. <i>RSC Advances</i> , <b>2015</b> , 5, 46050-46058	3.7	122
851	A novel metronidazole fluorescent nanosensor based on graphene quantum dots embedded silica molecularly imprinted polymer. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 92, 618-623	11.8	120
850	Screening method for phthalate esters in water using liquid-phase microextraction based on the solidification of a floating organic microdrop combined with gas chromatography-mass spectrometry. <i>Talanta</i> , <b>2008</b> , 76, 718-23	6.2	116
849	Mercury(II) Ion-Selective Electrode Based on Dibenzo-diazathia-18-crown-6-dione. <i>Electroanalysis</i> , <b>1999</b> , 11, 81-84	3	111

848	Oxidation of cyclohexene with tert-butylhydroperoxide catalyzed by host (nanocavity of zeolite-Y)/guest (Mn(II), Co(II), Ni(II) and Cu(II) complexes of N,N'-bis(salicylidene)phenylene-1,3-diamine) nanocomposite materials (HGNNM). <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 261, 147-155		109
847	Sonication method synergism with rare earth based nanocatalyst: preparation of NiFe 2x Eu x O 4 nanostructures and its catalytic applications for the synthesis of benzimidazoles, benzoxazoles, and benzothiazoles under ultrasonic irradiation. <i>Journal of Rare Earths</i> , <b>2017</b> , 35, 374-381	3.7	108
846	Determination of Pb <sup>2+</sup> ions by a modified carbon paste electrode based on multi-walled carbon nanotubes (MWCNTs) and nanosilica. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 173, 415-9	12.8	107
845	Fluorescence "turn-on" chemosensor for the selective detection of zinc ion based on Schiff-base derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2010</b> , 75, 978-82	4.4	104
844	A Schiff base complex of Zn(II) as a neutral carrier for highly selective PVC membrane sensors for the sulfate ion. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 2869-74	7.8	103
843	Oligoaniline-based conductive biomaterials for tissue engineering. <i>Acta Biomaterialia</i> , <b>2018</b> , 72, 16-34	10.8	102
842	A Novel Electroactive Agarose-Aniline Pentamer Platform as a Potential Candidate for Neural Tissue Engineering. <i>Scientific Reports</i> , <b>2017</b> , 7, 17187	4.9	97
841	Biosensors and their applications in detection of organophosphorus pesticides in the environment. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 109-130	5.8	97
840	Molecularly imprinted polymer based potentiometric sensor for the determination of hydroxyzine in tablets and biological fluids. <i>Analytica Chimica Acta</i> , <b>2008</b> , 612, 65-74	6.6	97
839	Facile chemical synthesis of cobalt tungstates nanoparticles as high performance supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 4541-4550	2.1	95
838	Recent advances in biosensor technology in assessment of early diabetes biomarkers. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 99, 122-135	11.8	94
837	Lanthanum(III) PVC membrane electrodes based on 1,3,5-trithiacyclohexane. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5538-43	7.8	93
836	Surface amplification of pencil graphite electrode with polypyrrole and reduced graphene oxide for fabrication of a guanine/adenine DNA based electrochemical biosensors for determination of didanosine anticancer drug. <i>Applied Surface Science</i> , <b>2018</b> , 441, 55-60	6.7	91
835	Developments in the Field of Conducting and Non-conducting Polymer Based Potentiometric Membrane Sensors for Ions Over the Past Decade. <i>Sensors</i> , <b>2008</b> , 8, 2331-2412	3.8	84
834	Ploxamer: A versatile tri-block copolymer for biomedical applications. <i>Acta Biomaterialia</i> , <b>2020</b> , 110, 37-67	10.8	79
833	Fourier transform cyclic voltammetric technique for monitoring ultratrace amounts of salbutamol at gold ultra microelectrode in flowing solutions. <i>Talanta</i> , <b>2005</b> , 66, 1225-33	6.2	79
832	Label free colorimetric and fluorimetric direct detection of methylated DNA based on silver nanoclusters for cancer early diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 73, 108-113	11.8	77
831	Application of genetic algorithm-support vector machine (GA-SVM) for prediction of BK-channels activity. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 5023-8	6.8	76

830	Highly selective and sensitive copper(II) membrane coated graphite electrode based on a recently synthesized Schiff base. <i>Analytica Chimica Acta</i> , <b>2001</b> , 440, 81-87	6.6	75
829	Ionic-liquid/NH <sub>2</sub> -MWCNTs as a highly sensitive nano-composite for catalase direct electrochemistry. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 25, 1301-6	11.8	74
828	Carcinoembryonic antigen admittance biosensor based on Au and ZnO nanoparticles using FFT admittance voltammetry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1564-70	7.8	73
827	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. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 119, 41-46	8.5	73
826	Evaluation of supercapacitive behavior of samarium tungstate nanoparticles synthesized via sonochemical method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 8588-8595	2.1	72
825	Investigation of different linear and nonlinear chemometric methods for modeling of retention index of essential oil components: concerns to support vector machine. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 166, 853-9	12.8	72
824	Highly efficient removal and preconcentration of lead and cadmium cations from water and wastewater samples using ethylenediamine functionalized SBA-15. <i>Desalination</i> , <b>2011</b> , 266, 182-187	10.3	72
823	Assessing the magnetic, cytotoxic and photocatalytic influence of incorporating Yb <sup>3+</sup> or Pr <sup>3+</sup> ions in cobalt ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 6902-6909	2.1	71
822	Lead ion selective PVC membrane electrode based on 5,5'-dithiobis-(2-nitrobenzoic acid). <i>Talanta</i> , <b>1998</b> , 46, 1341-6	6.2	71
821	Construction of a highly selective PVC-based membrane sensor for Ce(III) ions. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 120, 545-550	8.5	71
820	Novel gadolinium poly(vinyl chloride) membrane sensor based on a new Schiff base. <i>Analytica Chimica Acta</i> , <b>2003</b> , 495, 51-59	6.6	71
819	Beryllium-Selective Membrane Electrode Based on Benzo-9-crown-3. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 5259-5263	7.1	71
818	A new nano-sorbent for fast and efficient removal of heavy metals from aqueous solutions based on modification of magnetic mesoporous silica nanospheres. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 441, 193-203	2.8	70
817	Novel samarium(III) selective membrane sensor based on glipizid. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 89, 21-26	8.5	70
816	Preparation, characterization and electrochemical application of Ag-ZnO nanoplates for voltammetric determination of glutathione and tryptophan using modified carbon paste electrode. <i>Materials Science and Engineering C</i> , <b>2015</b> , 57, 107-12	8.3	69
815	Molecular interaction of human serum albumin with paracetamol: spectroscopic and molecular modeling studies. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 129-34	7.9	69
814	A turn-on fluorescent sensor for Zn <sup>2+</sup> based on new Schiff base derivative in aqueous media. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 198, 411-415	8.5	68
813	Zinc-selective membrane potentiometric sensor based on a recently synthesized benzo-substituted macrocyclic diamide. <i>Sensors and Actuators B: Chemical</i> , <b>1999</b> , 59, 30-34	8.5	68

812	Synthesis of NiCo-Fe layered double hydroxide and Fe <sub>2</sub> O <sub>3</sub> /Graphene nanocomposites as actively materials for high electrochemical performance supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 317, 83-92	6.7	67
811	Electrochemical preparation of MnO <sub>2</sub> nanobelts through pulse base-electrogeneration and evaluation of their electrochemical performance. <i>Applied Surface Science</i> , <b>2016</b> , 364, 141-147	6.7	67
810	Copper(II)-selective membrane electrodes based on some recently synthesized mixed aza-thioether crowns containing a 1,10-phenanthroline sub-unit. <i>Talanta</i> , <b>2001</b> , 55, 1047-54	6.2	67
809	Application of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> /MWCNT Film on Glassy Carbon Electrode for the Sensitive Electroanalysis of Levodopa. <i>International Journal of Electrochemical Science</i> , <b>2017</b> , 5243-5253	2.2	66
808	Use of organofunctionalized nanoporous silica gel to improve the lifetime of carbon paste electrode for determination of copper(II) ions. <i>Analytica Chimica Acta</i> , <b>2007</b> , 601, 172-82	6.6	66
807	Gliclazide as novel carrier in construction of PVC-based La(III)-selective membrane sensor. <i>Talanta</i> , <b>2003</b> , 59, 613-9	6.2	66
806	Synergic effect of graphene quantum dots and room temperature ionic liquid for the fabrication of highly sensitive voltammetric sensor for levodopa determination in the presence of serotonin. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 241, 316-320	6	65
805	Interaction study of pioglitazone with albumin by fluorescence spectroscopy and molecular docking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 78, 96-101	4.4	65
804	Thermodynamic study of the binding of hexathia-18-crown-6-tetraone with some transition and heavy metal ions in dimethyl sulfoxide solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1998</b> , 94, 1959-1962		65
803	Comparison of Moringa stenopetala seed extract as a clean coagulant with Alum and Moringa stenopetala-Alum hybrid coagulant to remove direct dye from Textile Wastewater. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 16396-405	5.1	65
802	Ytterbium(III)-selective membrane electrode based on cefixime. <i>Analytica Chimica Acta</i> , <b>2003</b> , 475, 59-66.6		64
801	Cadmium(II)-selective membrane electrode based on a synthesized tetrol compound. <i>Analytica Chimica Acta</i> , <b>2000</b> , 408, 75-81	6.6	64
800	Anchoring samarium oxide nanoparticles on reduced graphene oxide for high-performance supercapacitor. <i>Applied Surface Science</i> , <b>2017</b> , 402, 245-253	6.7	63
799	Amplified nanostructure electrochemical sensor for simultaneous determination of captopril, acetaminophen, tyrosine and hydrochlorothiazide. <i>Materials Science and Engineering C</i> , <b>2017</b> , 73, 472-477	8.3	63
798	A novel Er(III) sensor based on a new hydrazone for the monitoring of Er(III) ions. <i>Sensors and Actuators B: Chemical</i> , <b>2006</b> , 120, 119-124	8.5	63
797	Development of a new fluorimetric bulk optode membrane based on 2,5-thiophenylbis(5-tert-butyl-1,3-benzoxazole) for nickel(II) ions. <i>Analytica Chimica Acta</i> , <b>2004</b> , 501, 55-60	6.6	63
796	Facile sonochemical synthesis and electrochemical investigation of ceria/graphene nanocomposites. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 2362-2370	7.3	62
795	Zeolites in drug delivery: Progress, challenges and opportunities. <i>Drug Discovery Today</i> , <b>2020</b> , 25, 642-658	8.8	62

794	A novel method for preparation of bare and poly(vinylpyrrolidone) coated superparamagnetic iron oxide nanoparticles for biomedical applications. <i>Materials Letters</i> , <b>2016</b> , 179, 5-8	3.3	62
793	Five-component domino synthesis of tetrahydropyridines using hexagonal PbCr x Fe <sub>12</sub> O <sub>19</sub> as efficient magnetic nanocatalyst. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 6155-6165	2.8	61
792	Label-free fluorescent detection of microRNA-155 based on synthesis of hairpin DNA-templated copper nanoclusters by etching (top-down approach). <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 248, 133-139	8.5	61
791	DNA methylation detection by a novel fluorimetric nanobiosensor for early cancer diagnosis. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 60, 35-44	11.8	61
790	A new Schiff's base ligand immobilized agarose membrane optical sensor for selective monitoring of mercury ion. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 186, 1794-800	12.8	61
789	Samarium-doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles with improved magnetic and supercapacitive performance: a novel preparation strategy and characterization. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 295-308	4.3	60
788	Electrosynthesis and characterization of zinc tungstate nanoparticles. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1047, 31-36	3.4	60
787	Novel lanthanum(III) membrane sensor based on a new N-S Schiff base. <i>Sensors and Actuators B: Chemical</i> , <b>2004</b> , 98, 92-96	8.5	60
786	Novel terbium(III) sensor based on a new bis-pyrrolidene Schiff base. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 105, 334-339	8.5	60
785	Fluorescence based turn-on strategy for determination of microRNA-155 using DNA-templated copper nanoclusters. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 2671-2677	5.8	59
784	Evaluation of supercapacitive and magnetic properties of Fe <sub>3</sub> O <sub>4</sub> nano-particles electrochemically doped with dysprosium cations: Development of a novel iron-based electrode. <i>Ceramics International</i> , <b>2018</b> , 44, 520-529	5.1	59
783	Application of multivariate analysis to the screening of molecularly imprinted polymers (MIPs) for ametryn. <i>Talanta</i> , <b>2008</b> , 75, 978-86	6.2	59
782	Highly selective and sensitive copper membrane electrode based on a new synthesized Schiff base. <i>Talanta</i> , <b>2007</b> , 73, 553-60	6.2	59
781	Novel label-free electrochemical aptasensor for determination of Diazinon using gold nanoparticles-modified screen-printed gold electrode. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 120, 122-128	11.8	58
780	Superparamagnetic Iron Oxide (Fe <sub>3</sub> O <sub>4</sub> ) Nanoparticles Coated with PEG/PEI for Biomedical Applications: A Facile and Scalable Preparation Route Based on the Cathodic Electrochemical Deposition Method. <i>Advances in Physical Chemistry</i> , <b>2017</b> , 2017, 1-7		57
779	Facile preparation of MnO <sub>2</sub> nanorods and evaluation of their supercapacitive characteristics. <i>Applied Surface Science</i> , <b>2016</b> , 364, 726-731	6.7	57
778	Fluorescent turn on sensing of Caffeine in food sample based on sulfur-doped carbon quantum dots and optimization of process parameters through response surface methodology. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 273, 25-34	8.5	57
777	Determination of Cr <sup>3+</sup> ions in biological and environmental samples by a chromium(III) membrane sensor based on 5-amino-1-phenyl-1H-pyrazole-4-carboxamide. <i>Desalination</i> , <b>2009</b> , 249, 560-565	10.3	57

776	QSRR Study of GC Retention Indices of Essential-Oil Compounds by Multiple Linear Regression with a Genetic Algorithm. <i>Chromatographia</i> , <b>2008</b> , 67, 917-922	2.1	57
775	Novel Dy(III) Sensor Based on a New Bis-Pyrrolidene Schiff's Base. <i>Electroanalysis</i> , <b>2004</b> , 16, 1771-1776	3	57
774	Novel Ag <sup>+</sup> ion-selective electrodes based on two new mixed azathioether crowns containing a 1,10-phenanthroline sub-unit. <i>Analytica Chimica Acta</i> , <b>2002</b> , 462, 225-234	6.6	57
773	Facile synthesis and characterization of TiO <sub>2</sub> /graphene/Fe <sub>2</sub> O <sub>3</sub> ternary nano-hybrids. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 7008-7016	4.3	56
772	PVC-BASED 1,3,5-TRITHIANE COATED GRAPHITE ELECTRODE FOR DETERMINATION OF CERIUM(III) IONS. <i>Analytical Letters</i> , <b>2001</b> , 34, 2249-2261	2.2	56
771	Sonochemical preparation of a ytterbium oxide/reduced graphene oxide nanocomposite for supercapacitors with enhanced capacitive performance. <i>RSC Advances</i> , <b>2016</b> , 6, 51211-51220	3.7	55
770	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. <i>Analytical Sciences</i> , <b>2006</b> , 22, 943-8	1.7	54
769	Aptamer-based Colorimetric and Chemiluminescence Detection of Aflatoxin B1 in Foods Samples. <i>Acta Chimica Slovenica</i> , <b>2015</b> , 62, 721-8	1.9	54
768	Enhancement of the peroxidase-like activity of cerium-doped ferrite nanoparticles for colorimetric detection of H <sub>2</sub> O <sub>2</sub> and glucose. <i>Analytical Methods</i> , <b>2017</b> , 9, 3519-3524	3.2	53
767	Fabrication of a highly selective Eu(III) membrane sensor based on a new Schiff's hexadentates Schiff's base. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 120, 673-678	8.5	53
766	Novel Gadolinium PVC-Based Membrane Sensor Based on Omeprazole as an Antibiotic. <i>Electroanalysis</i> , <b>2003</b> , 15, 1038-1042	3	53
765	Polymeric membrane and coated graphite samarium(III)-selective electrodes based on isopropyl 2-[(isopropoxycarbothioyl)disulfanyl]ethanethioate. <i>Analytica Chimica Acta</i> , <b>2003</b> , 486, 93-99	6.6	53
764	An Eu(III) sensor based on N,N-diethyl-N-(4-hydroxy-6-methylpyridin-2-yl)guanidine. <i>Analytical Sciences</i> , <b>2004</b> , 20, 1427-31	1.7	53
763	Highly selective thiocyanate poly(vinyl chloride) membrane electrode based on a cadmium-Schiff's base complex. <i>Fresenius Journal of Analytical Chemistry</i> , <b>2001</b> , 370, 1091-5		53
762	Copper(II)-Selective Membrane Electrode Based on a Recently Synthesized Macrocyclic Diamide. <i>Microchemical Journal</i> , <b>1999</b> , 63, 202-210	4.8	53
761	Fluorescence turn-on sensing of thiamine based on Arginine [functionalized graphene quantum dots (Arg-GQDs): Central composite design for process optimization. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 255, 2078-2085	8.5	52
760	Modification of Carbon Paste Electrode Based on Molecularly Imprinted Polymer for Electrochemical Determination of Diazinon in Biological and Environmental Samples. <i>Electroanalysis</i> , <b>2017</b> , 29, 708-715	3	52
759	Electrochemical platform for simultaneous determination of levodopa, acetaminophen and tyrosine using a graphene and ferrocene modified carbon paste electrode. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 3281-3289	5.8	51

758	Synthesis of a novel magnetite/nitrogen-doped reduced graphene oxide nanocomposite as high performance supercapacitor. <i>Powder Technology</i> , <b>2016</b> , 302, 298-308	5.2	51
757	Synthesis and characterization of new proton conducting hybrid membranes for PEM fuel cells based on poly(vinyl alcohol) and nanoporous silica containing phenyl sulfonic acid. <i>International Journal of Hydrogen Energy</i> , <b>2011</b> , 36, 13310-13316	6.7	51
756	Highly selective iodide membrane electrode based on a cerium salen. <i>Analytical Sciences</i> , <b>2002</b> , 18, 289-927		51
755	Lead Ion-Selective Electrode Based on 4?-Vinylbenzo-15-crown-5 Homopolymer. <i>Microchemical Journal</i> , <b>1998</b> , 60, 122-133	4.8	50
754	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. <i>Analytica Chimica Acta</i> , <b>2007</b> , 598, 51-7	6.6	50
753	PVC membrane and coated graphite potentiometric sensors based on Et4todit for selective determination of samarium(III). <i>Analytical Chemistry</i> , <b>2003</b> , 75, 5680-6	7.8	50
752	Saccharide-coated superparamagnetic Fe3O4 nanoparticles (SPIONs) for biomedical applications: An efficient and scalable route for preparation and in situ surface coating through cathodic electrochemical deposition (CED). <i>Materials Letters</i> , <b>2017</b> , 189, 290-294	3.3	49
751	Detection of <i>Aeromonas hydrophila</i> DNA oligonucleotide sequence using a biosensor design based on Ceria nanoparticles decorated reduced graphene oxide and Fast Fourier transform square wave voltammetry. <i>Analytica Chimica Acta</i> , <b>2015</b> , 895, 80-8	6.6	49
750	Strontium-selective membrane electrodes based on some recently synthesized benzo-substituted macrocyclic diamides. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4938-43	7.8	49
749	Highly selective and sensitive thiocyanate membrane electrode based on nickel(II)-1,4,8,11,15,18,22,25-octabutoxyphthalocyanine. <i>Analytica Chimica Acta</i> , <b>2006</b> , 555, 336-340	6.6	48
748	Novel Potentiometric PVC-Membrane and Coated Graphite Sensors for Lanthanum(III). <i>Electroanalysis</i> , <b>2004</b> , 16, 1002-1008	3	48
747	A fluorometric aptamer based assay for cytochrome C using fluorescent graphitic carbon nitride nanosheets. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 2157-2163	5.8	47
746	Hydrogel membranes: A review. <i>Materials Science and Engineering C</i> , <b>2020</b> , 114, 111023	8.3	47
745	EuCo(OH)2 nanoplates with excellent supercapacitive performance: Electrochemical preparation and characterization. <i>Materials Letters</i> , <b>2016</b> , 184, 223-226	3.3	47
744	Synthesis procedure optimization and characterization of europium (III) tungstate nanoparticles. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1074, 85-91	3.4	47
743	Separation and preconcentration system based on microextraction with ionic liquid for determination of copper in water and food samples by stopped-flow injection spectrofluorimetry. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 1086-91	4.7	47
742	A colorimetric paper sensor for citrate as biomarker for early stage detection of prostate cancer based on peroxidase-like activity of cysteine-capped gold nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 210, 251-259	4.4	47
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739	Electrochemical preparation and evaluation of the supercapacitive performance of MnO <sub>2</sub> nanoworms. <i>Materials Letters</i> , <b>2016</b> , 167, 153-156	3.3	46
738	Determination of terbium(III) ions in phosphate rock samples by a Tb <sup>3+</sup> -PVC membrane sensor based on N, N-Dimethyl-N', N'-bis(4-methoxyphenyl)phosphoramidate. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 1489-1494	8.3	46
737	A new ytterbium(III) PVC membrane electrode based on 6-methy-4-[[1-(1H-pyrrol-2-yl)methylidene]amino]-3-thioxo-3,4-dihydro-1,2,4-triazin-5(2H)-one. <i>Talanta</i> , <b>2007</b> , 72, 1093-9	6.2	46
736	Novel Y(III) PVC-Based Membrane Microelectrode Based on a New Schiff's Base. <i>Analytical Letters</i> , <b>2003</b> , 36, 1511-1522	2.2	46
735	Lead-selective membrane potentiometric sensor based on an 18-membered thiocrown derivative. <i>Analytical Sciences</i> , <b>2001</b> , 17, 935-8	1.7	46
734	Rapid restriction enzyme free detection of DNA methyltransferase activity based on DNA-templated silver nanoclusters. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 4311-8	4.4	46
733	Studying the supercapacitive behavior of a polyaniline/nano-structural manganese dioxide composite using fast Fourier transform continuous cyclic voltammetry. <i>RSC Advances</i> , <b>2015</b> , 5, 20446-20452	2.7	45
732	Dispersive liquid-liquid microextraction followed by spectrofluorimetry as a simple and accurate technique for determination of thiamine (vitamin B1). <i>Mikrochimica Acta</i> , <b>2010</b> , 168, 317-324	5.8	45
731	Fabrication of a novel holmium(III) PVC membrane sensor based on 4-chloro-1,2-bis(2-pyridinecarboxamido)benzene as a neutral ionophore. <i>Journal of Applied Electrochemistry</i> , <b>2007</b> , 37, 853-859	2.6	45
730	Highly selective and sensitive monohydrogen phosphate membrane sensor based on molybdenum acetylacetonate. <i>Analytica Chimica Acta</i> , <b>2006</b> , 567, 196-201	6.6	45
729	Effect of Gd <sup>3+</sup> , Pr <sup>3+</sup> or Sm <sup>3+</sup> -substituted cobalt/zinc ferrite on photodegradation of methyl orange and cytotoxicity tests. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 1288-1295	3.7	44
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727	Selective recognition of monohydrogen phosphate by fluorescence enhancement of a new cerium complex. <i>Analytica Chimica Acta</i> , <b>2011</b> , 708, 107-10	6.6	44
726	Sub-second adsorption for sub-nanomolar monitoring of metoclopramide by fast stripping continuous cyclic voltammetry. <i>Electrochemistry Communications</i> , <b>2005</b> , 7, 333-338	5.1	44
725	The Synthesis of a New Thiophene-Derivative Schiff's Base and Its Use in Preparation of Copper-Ion Selective Electrodes. <i>Electroanalysis</i> , <b>2001</b> , 13, 1513-1517	3	44
724	2D and 3D quantitative structure-activity relationship study of hepatitis C virus NS5B polymerase inhibitors by comparative molecular field analysis and comparative molecular similarity indices analysis methods. <i>Journal of Chemical Information and Modeling</i> , <b>2014</b> , 54, 2902-14	6.1	43
723	Novel Fluorometric Assay for Detection of Cysteine as a Reducing Agent and Template in Formation of Copper Nanoclusters. <i>Journal of Fluorescence</i> , <b>2017</b> , 27, 529-536	2.4	43

722	Quantitation of atorvastatin in human plasma using directly suspended acceptor droplet in liquid-liquid-liquid microextraction and high-performance liquid chromatography-ultraviolet detection. <i>Talanta</i> , <b>2009</b> , 80, 1001-6	6.2	43
721	A Novel Holmium(III) Membrane Sensor Based on N-(1-Thien-2-Ylmethylene)-1,3-Benzothiazol-2-Amine. <i>Analytical Letters</i> , <b>2006</b> , 39, 1075-1086	2.2	43
720	Template-free preparation of vertically-aligned Mn <sub>3</sub> O <sub>4</sub> nanorods as high supercapacitive performance electrode material. <i>Thin Solid Films</i> , <b>2017</b> , 634, 24-32	2.2	42
719	DNA methyltransferase activity detection based on graphene quantum dots using fluorescence and fluorescence anisotropy. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 241, 217-223	8.5	42
718	Application of Novel Praseodymium (III) PVC-Membrane Electrode for Determination of Pr(III) Ions in Soil and Sediment Samples. <i>Analytical Letters</i> , <b>2008</b> , 41, 902-916	2.2	42
717	Spectroscopic studies of the effects of glycation of human serum albumin on L-Trp binding. <i>Protein and Peptide Letters</i> , <b>2007</b> , 14, 13-8	1.9	42
716	Novel Ytterbium(III) Selective Membrane Sensor Based on N-(2-Pyridyl)-N'-(2-Methoxyphenyl)-Thiourea as an Excellent Carrier and Its Application to Determination of Fluoride in Mouth Wash Preparation Samples. <i>Electroanalysis</i> , <b>2005</b> , 17, 1534-1539	3	42
715	Statistically optimized synthesis of dyspersium tungstate nanoparticles as photocatalyst. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 12860-12868	2.1	41
714	Preparation and Characterization of Magnetic FeO/CdWO and FeO/CdWO/PrVO Nanoparticles and Investigation of Their Photocatalytic and Anticancer Properties on PANC1 Cells. <i>Materials</i> , <b>2019</b> , 12,	3.5	41
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709	Novel method for fast determination of ultra trace amounts of timolol maleate by continuous cyclic voltammetry at Au microelectrode in flowing injection systems. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 110, 239-245	8.5	41
708	Paper based colorimetric detection of miRNA-21 using Ag/Pt nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 227, 117529	4.4	41
707	Label-free electrochemical immunosensor for direct detection of Citrus tristeza virus using modified gold electrode. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 244, 211-216	8.5	40
706	A new insight into mushroom tyrosinase inhibitors: docking, pharmacophore-based virtual screening, and molecular modeling studies. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2015</b> , 33, 487-501	3.6	40
705	Preparation of dysprosium carbonate and dysprosium oxide efficient photocatalyst nanoparticles through direct carbonation and precursor thermal decomposition. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 3325-3336	2.1	40

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507	Starch-assisted electrochemical fabrication of high surface area cobalt hydroxide nanosheets for high performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 11406-11414 <sup>22</sup>	2.1	22

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