Javad Tashkhourian

List of Publications by Year
in descending order

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81 papers	2,412 citations	186265 28 h-index	223800 46 g-index
81 all docs	81 docs citations	81 times ranked	2915 citing authors

#	Article	IF	Citations
1	Voltammetric determination of lactic acid in milk samples using carbon paste electrode modified with chitosan-based magnetic molecularly imprinted polymer. Journal of Applied Electrochemistry, 2022, 52, 35-44.	2.9	2
2	Paper-Based Optical Nose Made with Bimetallic Nanoparticles for Monitoring Ignitable Liquids in Gasoline. ACS Applied Materials & Interfaces, 2022, 14, 8333-8342.	8.0	20
3	Identification and determination of multiple heavy metal ions using a miniaturized paper-based optical device. Sensors and Actuators B: Chemical, 2022, 359, 131551.	7.8	11
4	Designing of highâ€performance dyeâ€sensitized solar cells by using a new electrolyte based on deep eutectic solvents. International Journal of Energy Research, 2022, 46, 14546-14557.	4.5	10
5	A disposable paper-based microfluidic electrochemical cell equipped with graphite-supported gold nanoparticles modified electrode for gallic acid determination. Journal of Electroanalytical Chemistry, 2022, 920, 116626.	3.8	6
6	A paper-based colorimetric sensor array for discrimination of monofloral European honeys based on gold nanoparticles and chemometrics data analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119076.	3.9	19
7	A non-invasive tool for early detection of acute leukemia in children using a paper-based optoelectronic nose based on an array of metallic nanoparticles. Analytica Chimica Acta, 2021, 1141, 28-35.	5.4	19
8	An array of metallic nanozymes can discriminate and detect a large number of anions. Sensors and Actuators B: Chemical, 2021, 339, 129911.	7.8	23
9	Nanofibers of Polyaniline and Cu(II)â€“<scp>l</scp>-Aspartic Acid for a Room-Temperature Carbon Monoxide Gas Sensor. ACS Applied Materials & Interfaces, 2021, 13, 39791-39805.	8.0	27
10	One-step synthesis of graphitic carbon-nitride doped with black-red phosphorus as a novel, efficient and free-metal bifunctional catalyst and its application for electrochemical overall water splitting. Sustainable Energy and Fuels, 2021, 5, 3229-3239.	4.9	11
11	Ultrasound-assisted synthesis of chiral cysteine-capped CdSe quantum dots for fluorometric differentiation and quantitation of tryptophan enantiomers. Mikrochimica Acta, 2020, 187, 71.	5.0	19
12	Ultrafast detection of infectious bacteria using optoelectronic nose based on metallic nanoparticles. Sensors and Actuators B: Chemical, 2020, 319, 128262.	7.8	35
13	A 3D origami paper-based analytical device combined with PVC membrane for colorimetric assay of heavy metal ions: Application to determination of Cu(II) in water samples. Analytica Chimica Acta, 2020, 1126, 114-123.	5.4	55
14	A chemometric investigation on the influence of the nature and concentration of supporting electrolyte on charging currents in electrochemistry. Journal of Electroanalytical Chemistry, 2020, 871, 114296.	3.8	6
15	Electrochemical properties of gold nanosheets: Investigation of the effect of nanosheet thickness using chemometric methods. Microchemical Journal, 2020, 154, 104650.	4.5	5
16	Evaluating Contribution of Faradaic, Charging and Kinetic Currents in Potential Scan Hydrodynamic Voltammetry by Chemometrics Method. Journal of the Electrochemical Society, 2020, 167, 116524.	2.9	0
17	The effect of carbonaceous materials on faradaic and charging current contribution in carbon paste electrodes investigated by chemometrics methods. Journal of Solid State Electrochemistry, 2019, 23, 3255-3266.	2.5	5
18	A carbon paste electrode modified with a metal-organic framework of type MIL-101(Fe) for voltammetric determination of citric acid. Mikrochimica Acta, 2019, 186, 455.	5.0	12

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19	Structural Elucidation and Ultrasensitive Analyses of Volatile Organic Compounds by Paper-Based Nano-Optoelectronic Noses. ACS Sensors, 2019, 4, 1442-1451.	7.8	42
20	Ascorbic Acid Determination Based on Electrocatalytic Behavior of Metal-Organic Framework MIL-101-(Cr) at Modified Carbon-Paste Electrode. Journal of AOAC INTERNATIONAL, 2019, 102, 625-632.	1.5	12
21	Chiral recognition of tryptophan enantiomers using chitosan-capped silver nanoparticles: Scanometry and spectrophotometry approaches. Talanta, 2018, 178, 870-878.	5.5	47
22	Copper nanoclusters conjugated silica nanoparticles modified on carbon paste as an electrochemical sensor for the determination of dopamine. Applied Organometallic Chemistry, 2018, 32, e4196.	3.5	12
23	Qualitative and quantitative analysis of toxic materials in adulterated fruit pickle samples by a colorimetric sensor array. Sensors and Actuators B: Chemical, 2018, 257, 783-791.	7.8	42
24	An optoelectronic tongue based on anÂarray of gold and silver nanoparticles for analysis of natural, synthetic and biological antioxidants. Mikrochimica Acta, 2018, 185, 493.	5.0	42
25	Sonication-assisted preparation of a nanocomposite consisting of reduced graphene oxide and CdSe quantum dots, and its application to simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid. Mikrochimica Acta, 2018, 185, 456.	5.0	18
26	Designing a modified electrode based on graphene quantum dot-chitosan application to electrochemical detection of epinephrine. Journal of Molecular Liquids, 2018, 266, 548-556.	4.9	51
27	Topical delivery of chitosan-capped silver nanoparticles speeds up healing in burn wounds: A preclinical study. Carbohydrate Polymers, 2018, 200, 82-92.	10.2	60
28	A new bifunctional nanostructure based on Two-Dimensional nanolayered of Co(OH)2 exfoliated graphitic carbon nitride as a high performance enzyme-less glucose sensor: Impedimetric and amperometric detection. Analytica Chimica Acta, 2018, 1034, 63-73.	5.4	31
29	Electrochemical sensing of D-penicillamine on modified glassy carbon electrode by using a nanocomposite of gold nanoparticles and reduced graphene oxide. Journal of the Iranian Chemical Society, 2017, 14, 1253-1262.	2.2	13
30	Chiral recognition of naproxen enantiomers based on fluorescence quenching of bovine serum albuminâ€“stabilized gold nanoclusters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 77-84.	3.9	18
31	A novel colorimetric sensor for sensitive determination of R-citalopram based on the plasmonic properties of silver nanoparticles. New Journal of Chemistry, 2017, 41, 13881-13888.	2.8	7
32	A comparative study on the effect of ionic liquid composition on the contributions of faradaic current in ionic liquid carbon paste electrodes by chemometrics method. Journal of Electroanalytical Chemistry, 2017, 801, 22-29.	3.8	12
33	Development of colorimetric sensor array for discrimination of herbal medicine. Journal of the Iranian Chemical Society, 2017, 14, 595-604.	2.2	14
34	Highly selective and sensitive determination of copper ion by two novel optical sensors. Arabian Journal of Chemistry, 2017, 10, S2319-S2326.	4.9	15
35	Synthesis and application of molecularly imprinted nanoparticles combined ultrasonic assisted for highly selective solid phase extraction trace amount of celecoxib from human plasma samples using design expert (DXB) software. Ultrasonics Sonochemistry, 2016, 33, 67-76.	8.2	78
36	Simultaneous determination of hydroquinone and catechol at gold nanoparticles mesoporous silica modified carbon paste electrode. Journal of Hazardous Materials, 2016, 318, 117-124.	12.4	134

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37	Modification of platinum nanoparticles loaded on activated carbon and activated carbon with a new chelating agent for solid phase extraction of some metal ions. Journal of Molecular Liquids, 2016, 221, 748-754.	4.9	16
38	Simultaneous determination of tyrosine and tryptophan by mesoporous silica nanoparticles modified carbon paste electrode using H-point standard addition method. Analytica Chimica Acta, 2016, 902, 89-96.	5.4	52
39	Colorimetric chiral discrimination and determination of S-citalopram based on induced aggregation of gold nanoparticles. Sensors and Actuators B: Chemical, 2016, 232, 52-59.	7.8	29
40	Ethanol electrooxidation at carbon paste electrode modified with Pdâ€“ZnO nanoparticles. Sensors and Actuators B: Chemical, 2016, 230, 87-93.	7.8	28
41	Determination of dopamine in the presence of ascorbic and uric acids by fluorometric method using graphene quantum dots. Spectroscopy Letters, 2016, 49, 319-325.	1.0	16
42	Chiral recognition of naproxen enantiomers using starch capped silver nanoparticles. Analytical Methods, 2016, 8, 2251-2258.	2.7	16
43	A rapid and sensitive assay for determination of doxycycline using thioglycolic acid-capped cadmium telluride quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 119-125.	3.9	40
44	Green walnut shell as a new material for removal of Cr(VI) ions from aqueous solutions. Desalination and Water Treatment, 2015, 55, 431-439.	1.0	17
45	A nanosensor for determination of glucose based on silver nanoparticles as fluorescence probes. Journal of the Iranian Chemical Society, 2015, 12, 2023-2030.	2.2	6
46	A sensitive electrochemical sensor for determination of gallic acid based on SiO2 nanoparticle modified carbon paste electrode. Materials Science and Engineering C, 2015, 52, 103-110.	7.3	99
47	Nickel-selective coated disk electrode based on carbon nanotube composite modified with a new Schiff base. Russian Journal of Electrochemistry, 2015, 51, 209-217.	0.9	3
48	Fluorescence Determination of Warfarin Using TGA-capped CdTe Quantum Dots in Human Plasma Samples. Journal of Fluorescence, 2015, 25, 1887-1895.	2.5	11
49	SiO2-modified carbon paste electrode for electrochemical determination of pyrogallol. Russian Journal of Electrochemistry, 2014, 50, 959-966.	0.9	5
50	Removal of chromate ion from aqueous solutions by sponge iron. Desalination and Water Treatment, 2014, 52, 7154-7162.	1.0	16
51	Construction of a new selective coated disk electrode for Ag (I) based on modified polypyrrole-carbon nanotubes composite with new lariat ether. Materials Science and Engineering C, 2014, 34, 326-333.	7.3	8
52	ZnO nanoparticles and multiwalled carbon nanotubes modified carbon paste electrode for determination of naproxen using electrochemical techniques. Journal of Electroanalytical Chemistry, 2014, 714-715, 103-108.	3.8	68
53	Coated Wire Ion Selective Electrode Based on a New Crown Ether for Determination of ${m Fe}^{2+}$. IEEE Sensors Journal, 2014, 14, 349-356.	4.7	7
54	Artificial neural network-genetic algorithm based optimization for the adsorption of methylene blue and brilliant green from aqueous solution by graphite oxide nanoparticle. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 264-277.	3.9	105

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55	Localized surface plasmon resonance sensor for simultaneous kinetic determination of peroxyacetic acid and hydrogen peroxide. Analytica Chimica Acta, 2013, 762, 87-93.	5.4	14
56	Construction of a modified carbon paste electrode based on TiO2 nanoparticles for the determination of gallic acid. Journal of Solid State Electrochemistry, 2013, 17, 157-165.	2.5	52
57	Optical Detection of Some Hydrazine Compounds Based on the Surface Plasmon Resonance Band of Silver Nanoparticles. Spectroscopy Letters, 2013, 46, 73-80.	1.0	9
58	Silver nanoparticle loaded on activated carbon and activated carbon modified with 2-(4-isopropylbenzylideneamino)thiophenol (IPBATP) as new sorbents for trace metal ions enrichment. International Journal of Environmental Analytical Chemistry, 2013, 93, 386-400.	3.3	25
59	Construction of an Optical Sensor for the Determination of Ascorbic Acid Using Ionic Liquids as Modifier. Analytical Sciences, 2012, 28, 1225-1230.	1.6	5
60	Design of an efficient uranyl ion optical sensor based on 1â€²-2,2â€²-(1,2-phenylene)bis(ethene-2,1-diyl)dinaphthalen-2-ol. Materials Science and Engineering C, 2012, 32, 1888-1892.	7.3	20
61	Application of silver nanoparticles and principal component-artificial neural network models for simultaneous determination of levodopa and benserazide hydrochloride by a kinetic spectrophotometric method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 25-30.	3.9	31
62	Anodic stripping voltammetric determination of silver ion at a carbon paste electrode modified with carbon nanotubes. Mikrochimica Acta, 2011, 173, 79-84.	5.0	23
63	Sodium dodecyl sulfate coated alumina modified with a new Schiff's base as a uranyl ion selective adsorbent. Journal of Hazardous Materials, 2011, 187, 75-81.	12.4	29
64	Equilibrium, kinetic and thermodynamic study of removal of reactive orange 12 on platinum nanoparticle loaded on activated carbon as novel adsorbent. Korean Journal of Chemical Engineering, 2011, 28, 2255-2261.	2.7	48
65	A novel photometric glucose biosensor based on decolorizing of silver nanoparticles. Sensors and Actuators B: Chemical, 2011, 158, 185-189.	7.8	52
66	Sensitive spectrophotometric detection of dopamine, levodopa and adrenaline using surface plasmon resonance band of silver nanoparticles. Journal of the Iranian Chemical Society, 2010, 7, S83-S91.	2.2	78
67	Simultaneous colorimetric determination of dopamine and ascorbic acid based on the surface plasmon resonance band of colloidal silver nanoparticles using artificial neural networks. Analytical Methods, 2010, 2, 1263.	2.7	64
68	Characterization of a new uranyl selective bulk optode; utilizing synergistic effect in optical sensor. Sensors and Actuators B: Chemical, 2009, 141, 34-39.	7.8	19
69	Silver nanoparticles modified carbon nanotube paste electrode for simultaneous determination of dopamine and ascorbic acid. Journal of Electroanalytical Chemistry, 2009, 633, 85-91.	3.8	143
70	Potentiometric Behavior of Co(II)-Meso-tetraarylporphyrin Derivatives as Ionophores in Anion-Selective Electrodes. Cross Sensitivity Studies. Analytical Letters, 2009, 43, 161-175.	1.8	0
71	Optical detection of phenolic compounds based on the surface plasmon resonance band of Au nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 199-203.	3.9	56
72	Novel Copper(II)â€Selective Membrane Electrode Based on a New Synthesized Schiff Base. Journal of the Chinese Chemical Society, 2007, 54, 331-337.	1.4	4

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73	Determination of Vanadyl Ions by a New PVC Membrane Sensor Based on N, N'-bis-(Salicylidene)-2,2-Dimethylpropane-1,3-Diamine. IEEE Sensors Journal, 2007, 7, 544-550.	4.7	72
74	Simultaneous determination of ascrobic, citric, and tartaric acids by potentiometric titration with PLS calibration. Journal of Analytical Chemistry, 2006, 61, 804-808.	0.9	9
75	Lanthanum-selective membrane electrode based on 2,2â€²-dithiodipyridine. Analytica Chimica Acta, 2005, 531, 179-184.	5.4	36
76	Development of a PVC-membrane ion-selective bulk optode, for UO22+ ion, based on tri-n-octylphosphine oxide and dibenzoylmethane. Analytical and Bioanalytical Chemistry, 2005, 382, 1159-1162.	3.7	14
77	Development of Sulfideâ€Selective Optode Membranes Based on Immobilization of Methylene Blue on Optically Transparent Triacetylcellulose Film. Instrumentation Science and Technology, 2005, 33, 703-714.	1.8	9
78	Development of a New Copper(II) Ion-selective Poly(vinyl chloride) Membrane Electrode Based on 2-Mercaptobenzoxazole. Bulletin of the Korean Chemical Society, 2005, 26, 882-886.	1.9	27
79	A new cerium (III)-selective membrane electrode based on 2-aminobenzothiazole. Sensors and Actuators B: Chemical, 2004, 99, 410-415.	7.8	58
80	Application of artificial neural network to simultaneous potentiometric determination of silver(I), mercury(II) and copper(II) ions by an unmodified carbon paste electrode. Talanta, 2004, 64, 590-596.	5.5	40
81	A comparative study of the oxidation of dopamine in deep eutectic solvents: A potential approach to synthesis polydopamine particles with various shapes, sizes, and compositions. Journal of Applied Polymer Science, 0, , 52090.	2.6	0