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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	A new cerium (III)-selective membrane electrode based on 2-aminobenzothiazole. Sensors and Actuators B: Chemical, 2004, 99, 410-415.	7.8	58
12	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
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 novel photometric glucose biosensor based on decolorizing of silver nanoparticles. Sensors and Actuators B: Chemical, 2011, 158, 185-189.	7.8	52
15	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
16	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
17	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
18	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

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19	Chiral recognition of tryptophan enantiomers using chitosan-capped silver nanoparticles: Scanometry and spectrophotometry approaches. Talanta, 2018, 178, 870-878.	5.5	47
20	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
21	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
22	Structural Elucidation and Ultrasensitive Analyses of Volatile Organic Compounds by Paper-Based Nano-Optoelectronic Noses. ACS Sensors, 2019, 4, 1442-1451.	7.8	42
23	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
24	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
25	Lanthanum-selective membrane electrode based on 2,2â€²-dithiodipyridine. Analytica Chimica Acta, 2005, 531, 179-184.	5.4	36
26	Ultrafast detection of infectious bacteria using optoelectronic nose based on metallic nanoparticles. Sensors and Actuators B: Chemical, 2020, 319, 128262.	7.8	35
27	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
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	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
30	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
31	Ethanol electrooxidation at carbon paste electrode modified with Pdâ€“ZnO nanoparticles. Sensors and Actuators B: Chemical, 2016, 230, 87-93.	7.8	28
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	Removal of chromate ion from aqueous solutions by sponge iron. Desalination and Water Treatment, 2014, 52, 7154-7162.	1.0	16
47	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
48	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
49	Chiral recognition of naproxen enantiomers using starch capped silver nanoparticles. Analytical Methods, 2016, 8, 2251-2258.	2.7	16
50	Highly selective and sensitive determination of copper ion by two novel optical sensors. Arabian Journal of Chemistry, 2017, 10, S2319-S2326.	4.9	15
51	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
52	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
53	Development of colorimetric sensor array for discrimination of herbal medicine. Journal of the Iranian Chemical Society, 2017, 14, 595-604.	2.2	14
54	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

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55	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
56	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
57	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
58	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
59	Fluorescence Determination of Warfarin Using TGA-capped CdTe Quantum Dots in Human Plasma Samples. Journal of Fluorescence, 2015, 25, 1887-1895.	2.5	11
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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

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73	SiO2-modified carbon paste electrode for electrochemical determination of pyrogallol. Russian Journal of Electrochemistry, 2014, 50, 959-966.	0.9	5
74	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
75	Electrochemical properties of gold nanosheets: Investigation of the effect of nanosheet thickness using chemometric methods. Microchemical Journal, 2020, 154, 104650.	4.5	5
76	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
77	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
78	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
79	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
80	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
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