

# Taher Alizadeh

## List of Publications by Year in descending order

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Version: 2024-02-01

108  
papers

3,563  
citations

109264

35  
h-index

161767

54  
g-index

108  
all docs

108  
docs citations

108  
times ranked

3661  
citing authors



#	ARTICLE	IF	CITATIONS
19	A carbon nanotubes/graphite paste electrode impregnated with stavudine-imprinted polymer as a stavudine selective sensor. <i>Ionics</i> , 2019, 25, 6071-6081.	1.2	7
20	Highly selective extraction and voltammetric determination of the opioid drug buprenorphine via a carbon paste electrode impregnated with nano-sized molecularly imprinted polymer. <i>Mikrochimica Acta</i> , 2019, 186, 654.	2.5	12
21	An innovative application of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) nano-sheets as silver ion carrier in a solid state potentiometric sensor. <i>Materials Chemistry and Physics</i> , 2019, 227, 176-183.	2.0	32
22	A selective chemiresistive sensor for the cancer-related volatile organic compound hexanal by using molecularly imprinted polymers and multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2019, 186, 137.	2.5	44
23	Molecularly Imprinted Polymer Materials as Selective Recognition Sorbents for Explosives: A Review. <i>Polymers</i> , 2019, 11, 888.	2.0	19
24	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> )/graphite nanocomposite as an extraordinarily sensitive sensor for sub-micromolar detection of oxalic acid in biological samples. <i>RSC Advances</i> , 2019, 9, 13096-13103.	1.7	40
25	Graphite/Ag/AgCl nanocomposite as a new and highly efficient electrocatalyst for selective electrooxidation of oxalic acid and its assay in real samples. <i>Materials Science and Engineering C</i> , 2019, 100, 826-836.	3.8	15
26	Thermal Decomposition of Ammonium Perchlorate in the Presence of Cobalt Hydroxyl@Nano-Porous Polyaniline. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1716-1727.	1.9	3
27	Ultra-trace detection of methamphetamine in biological samples using FFT-square wave voltammetry and nano-sized imprinted polymer/MWCNTs -modified electrode. <i>Talanta</i> , 2019, 200, 115-123.	2.9	60
28	Multi-walled carbon nanotube/barbituric acid-based dye/TiO <sub>2</sub> nanocomposite as a photoanode in dye-sensitized solar cell: activation of the dye with MWCNTs. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7981-7991.	1.1	2
29	A Nanostructured Microfluidic Artificial Olfaction for Organic Vapors Recognition. <i>Scientific Reports</i> , 2019, 9, 19051.	1.6	19
30	Voltammetric determination of venlafaxine as an antidepressant drug employing Gd <sub>2</sub> O <sub>3</sub> nanoparticles graphite screen printed electrode. <i>Journal of Rare Earths</i> , 2019, 37, 322-328.	2.5	18
31	Colorimetric sensing of cyanide ion by pyromellitic diimides synthesized in one step from commercially available reactants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 371, 17-24.	2.0	5
32	Molecularly imprinted polymer nano-sphere/multi-walled carbon nanotube coated glassy carbon electrode as an ultra-sensitive voltammetric sensor for picomolar level determination of RDX. <i>Talanta</i> , 2019, 194, 415-421.	2.9	45
33	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> /Fe <sub>3</sub> O <sub>4</sub> /BiOI)-carbon composite electrode as a highly sensitive and selective citric acid sensor: Three-component nanocomposite as a definitive factor for selectivity in catalysis. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 245-254.	4.0	30
34	Application of Advanced Electrochemical Methods with Nanomaterial-based Electrodes as Powerful Tools for Trace Analysis of Drugs and Toxic Compounds. <i>Current Analytical Chemistry</i> , 2019, 15, 143-151.	0.6	10
35	A ferrocene/imprinted polymer nanomaterial-modified carbon paste electrode as a new generation of gate effect-based voltammetric sensor. <i>New Journal of Chemistry</i> , 2018, 42, 4719-4727.	1.4	20
36	Nanopowder synthesis of novel Sn(II)-imprinted poly(dimethyl vinylphosphonate) by ultrasound-assisted technique: Adsorption and pre-concentration of Sn(II) from aqueous media and real samples. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 129-136.	3.8	14

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37	Electrocatalytic oxidation of salicylic acid at a carbon paste electrode impregnated with cerium-doped zirconium oxide nanoparticles as a new sensing approach for salicylic acid determination. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2039-2048.	1.2	20
38	Synthesis of hydrogen phosphate anion-imprinted polymer via emulsion polymerization and its use as the recognition element of graphene/graphite paste potentiometric electrode. <i>Materials Chemistry and Physics</i> , 2018, 209, 180-187.	2.0	22
39	An innovative method for synthesis of imprinted polymer nanomaterial holding thiamine (vitamin B1) selective sites and its application for thiamine determination in food samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1084, 166-174.	1.2	19
40	A new carbon paste electrode modified with MWCNTs and nano-structured molecularly imprinted polymer for ultratrace determination of trimipramine: The crucial effect of electrode components mixing on its performance. <i>Biosensors and Bioelectronics</i> , 2018, 111, 27-33.	5.3	40
41	Synthesis of nano-sized hydrogen phosphate-imprinted polymer in acetonitrile/water mixture and its use as a recognition element of hydrogen phosphate selective all-solid state potentiometric electrode. <i>Journal of Molecular Recognition</i> , 2018, 31, e2678.	1.1	12
42	Determination of subnanomolar levels of mercury (II) by using a graphite paste electrode modified with MWCNTs and Hg(II)-imprinted polymer nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 16.	2.5	36
43	Hydrothermal growth of magnesium ferrite rose nanoflowers on Nickel foam; application in high-performance asymmetric supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 650-657.	1.1	29
44	Synthesis of Nano-Porous Polyaniline and Investigation its Catalytic Effect on the Thermal Decomposition of Ammonium Perchlorate. <i>ChemistrySelect</i> , 2018, 3, 11103-11109.	0.7	6
45	Photochromic and Electrochromic Diimide Synthesized Simply from Inexpensive Compounds: A Multidisciplinary Experiment for Undergraduate Students. <i>Journal of Chemical Education</i> , 2018, 95, 1642-1647.	1.1	7
46	Ytterbium tungstate nanoparticles as a novel sorbent for basic dyes from aqueous solutions. <i>Research on Chemical Intermediates</i> , 2018, 44, 6945-6962.	1.3	9
47	Development of a highly selective and sensitive electrochemical sensor for Bi <sup>3+</sup> determination based on nano-structured bismuth-imprinted polymer modified carbon/carbon nanotube paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 605-614.	4.0	52
48	A tryptophan assay based on the glassy carbon electrode modified with a nano-sized tryptophan-imprinted polymer and multi-walled carbon nanotubes. <i>New Journal of Chemistry</i> , 2017, 41, 4493-4502.	1.4	31
49	Indirect voltammetric determination of nicotinic acid by using a graphite paste electrode modified with reduced graphene oxide and a molecularly imprinted polymer. <i>Mikrochimica Acta</i> , 2017, 184, 2687-2695.	2.5	20
50	Trace level and highly selective determination of urea in various real samples based upon voltammetric analysis of diacetylmonoxime-urea reaction product on the carbon nanotube/carbon paste electrode. <i>Analytica Chimica Acta</i> , 2017, 974, 54-62.	2.6	28
51	Synthesis of nano-sized timolol-imprinted polymer via ultrasonication assisted suspension polymerization in silicon oil and its use for the fabrication of timolol voltammetric sensor. <i>Materials Science and Engineering C</i> , 2017, 77, 300-307.	3.8	28
52	A new electrochemical sensing platform for Cr(III) determination based on nano-structured Cr(III)-imprinted polymer-modified carbon composite electrode. <i>Electrochimica Acta</i> , 2017, 247, 812-819.	2.6	24
53	An extraordinarily sensitive voltammetric sensor with picomolar detection limit for Pb <sup>2+</sup> determination based on carbon paste electrode impregnated with nano-sized imprinted polymer and multi-walled carbon nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4327-4336.	3.3	34
54	All-solid-state Cr(III)-selective potentiometric sensor based on Cr(III)-imprinted polymer nanomaterial/MWCNTs/carbon nanocomposite electrode. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 1283-1297.	1.8	14

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55	Dual photo-electrochromic diimides derived from aliphatic aminothiols and $\pi$ -electron deficient aromatic dianhydrides. <i>Dyes and Pigments</i> , 2017, 146, 203-209.	2.0	9
56	Development of a New Method Based on Chiral Ligand-Exchange Chromatography for the Enantioseparation of Propranolol. <i>Iranian Journal of Pharmaceutical Research</i> , 2017, 16, 1037-1047.	0.3	1
57	Reduced graphene oxide-based gas sensor array for pattern recognition of DMMP vapor. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 361-370.	4.0	55
58	A $\text{Ca}^{2+}$ selective membrane electrode based on calcium-imprinted polymeric nanoparticles. <i>New Journal of Chemistry</i> , 2016, 40, 8479-8487.	1.4	25
59	Managing of gas sensing characteristic of a reduced graphene oxide based gas sensor by the change in synthesis condition: A new approach for electronic nose design. <i>Materials Chemistry and Physics</i> , 2016, 183, 181-190.	2.0	14
60	A new hydrogen cyanide chemiresistor gas sensor based on graphene quantum dots. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 763-775.	1.8	16
61	Voltammetric determination of ultratrace levels of cerium(III) using a carbon paste electrode modified with nano-sized cerium-imprinted polymer and multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2016, 183, 1123-1130.	2.5	74
62	Chiral resolution of salbutamol in plasma sample by a new chiral ligand-exchange chromatography method after its extraction with nano-sized imprinted polymer. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1009-1010, 96-106.	1.2	14
63	Graphene/graphite paste electrode incorporated with molecularly imprinted polymer nanoparticles as a novel sensor for differential pulse voltammetry determination of fluoxetine. <i>Biosensors and Bioelectronics</i> , 2016, 81, 198-206.	5.3	84
64	Synthesis of nano-sized stereoselective imprinted polymer by copolymerization of (S)-2-(acrylamido) propanoic acid and ethylene glycol dimethacrylate in the presence of racemic propranolol and copper ion. <i>Materials Science and Engineering C</i> , 2016, 63, 247-255.	3.8	15
65	Synthesis of nano-sized cyanide ion-imprinted polymer via non-covalent approach and its use for the fabrication of a $\text{CN}^-$ -selective carbon nanotube impregnated carbon paste electrode. <i>Talanta</i> , 2016, 147, 90-97.	2.9	39
66	A new humidity sensor based upon graphene quantum dots prepared via carbonization of citric acid. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 728-734.	4.0	77
67	A new strategy for low temperature gas sensing by nano-sized metal oxides: Development a new nerve agent simulant sensor. <i>Materials Chemistry and Physics</i> , 2015, 168, 180-186.	2.0	12
68	Synthesis of nanosized sulfate-modified $\text{Fe}_2\text{O}_3$ and its use for the fabrication of all-solid-state carbon paste pH sensor. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1053-1062.	1.2	22
69	An outstandingly sensitive enzyme-free glucose sensor prepared by co-deposition of nano-sized cupric oxide and multi-walled carbon nanotubes on glassy carbon electrode. <i>Biochemical Engineering Journal</i> , 2015, 97, 81-91.	1.8	20
70	Competitive extraction of Gd(III) into a carbon paste electrode impregnated with a nano-sized Gd(III)-imprinted polymer as a new method for its indirect voltammetric determination. <i>Mikrochimica Acta</i> , 2015, 182, 1205-1212.	2.5	11
71	Thiourea-treated graphene aerogel as a highly selective gas sensor for sensing of trace level of ammonia. <i>Analytica Chimica Acta</i> , 2015, 897, 87-95.	2.6	35
72	Improvement of durability and analytical characteristics of arsenic-imprinted polymer-based PVC membrane electrode via surface modification of nano-sized imprinted polymer particles: part 2. <i>Electrochimica Acta</i> , 2015, 178, 877-885.	2.6	14

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73	A Nafion-free non-enzymatic amperometric glucose sensor based on copper oxide nanoparticles-graphene nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2014, 198, 438-447.	4.0	112
74	Synthesis of a nano-sized chiral imprinted polymer and its use as an (S)-atenolol carrier in the bulk liquid membrane. <i>Journal of Separation Science</i> , 2014, 37, 1887-1895.	1.3	14
75	Synthesis of nano-sized arsenic-imprinted polymer and its use as As <sup>3+</sup> selective ionophore in a potentiometric membrane electrode: Part 1. <i>Analytica Chimica Acta</i> , 2014, 843, 7-17.	2.6	38
76	Graphene/graphite/molecularly imprinted polymer nanocomposite as the highly selective gas sensor for nitrobenzene vapor recognition. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1514-1526.	3.3	32
77	Preparation of magnetic TNT-imprinted polymer nanoparticles and their accumulation onto magnetic carbon paste electrode for TNT determination. <i>Biosensors and Bioelectronics</i> , 2014, 61, 532-540.	5.3	55
78	A capacitive biosensor for ultra-trace level urea determination based on nano-sized urea-imprinted polymer receptors coated on graphite electrode surface. <i>Biosensors and Bioelectronics</i> , 2013, 43, 321-327.	5.3	45
79	Highly-selective determination of carcinogenic derivative of propranolol by using a carbon paste electrode incorporated with nano-sized propranolol-imprinted polymer. <i>Electrochimica Acta</i> , 2013, 111, 663-673.	2.6	27
80	Graphene/poly(methyl methacrylate) chemiresistor sensor for formaldehyde odor sensing. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 401-406.	6.5	65
81	Synthesis of Cu <sup>2+</sup> -mediated nano-sized salbutamol-imprinted polymer and its use for indirect recognition of ultra-trace levels of salbutamol. <i>Analytica Chimica Acta</i> , 2013, 769, 100-107.	2.6	34
82	Enantioseparation of atenolol using chiral ligand-exchange chromatography on C8 column. <i>Separation and Purification Technology</i> , 2013, 118, 879-887.	3.9	11
83	Synthesis of nano-sized Eu <sup>3+</sup> -imprinted polymer and its application for indirect voltammetric determination of europium. <i>Talanta</i> , 2013, 106, 431-439.	2.9	50
84	A new chemiresistor sensor based on a blend of carbon nanotube, nano-sized molecularly imprinted polymer and poly methyl methacrylate for the selective and sensitive determination of ethanol vapor. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 28-37.	4.0	53
85	Toluene chemiresistor sensor based on nano-porous toluene-imprinted polymer. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 919-934.	1.8	17
86	Application of electrochemical impedance spectroscopy and conventional rebinding experiments for the investigation of recognition characteristic of bulky and nano-sized imprinted polymers. <i>Materials Chemistry and Physics</i> , 2012, 135, 1012-1023.	2.0	17
87	Molecularly imprinted nanoparticles-based electrochemical sensor for determination of ultratrace parathion in real samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1742-1760.	1.8	10
88	Selective determination of chloramphenicol at trace level in milk samples by the electrode modified with molecularly imprinted polymer. <i>Food Chemistry</i> , 2012, 130, 1108-1114.	4.2	127
89	Evaluation of the facilitated transport capabilities of nano- and micro-sized molecularly imprinted polymers (MIPs) in a bulk liquid membrane system. <i>Separation and Purification Technology</i> , 2012, 90, 83-91.	3.9	25
90	An imprinted polymer for removal of Cd <sup>2+</sup> from water samples: Optimization of adsorption and recovery steps by experimental design. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011, 29, 658-669.	2.0	18



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91	Preparation of nano-sized Pb <sup>2+</sup> imprinted polymer and its application as the chemical interface of an electrochemical sensor for toxic lead determination in different real samples. <i>Journal of Hazardous Materials</i> , 2011, 190, 451-459.	6.5	77
92	Application of an Hg <sup>2+</sup> selective imprinted polymer as a new modifying agent for the preparation of a novel highly selective and sensitive electrochemical sensor for the determination of ultratrace mercury ions. <i>Analytica Chimica Acta</i> , 2011, 689, 52-59.	2.6	90
93	A carbon paste electrode impregnated with Cd <sup>2+</sup> imprinted polymer as a new and high selective electrochemical sensor for determination of ultra-trace Cd <sup>2+</sup> in water samples. <i>Journal of Electroanalytical Chemistry</i> , 2011, 657, 98-106.	1.9	58
94	A novel potentiometric sensor for promethazine based on a molecularly imprinted polymer (MIP): The role of MIP structure on the sensor performance. <i>Electrochimica Acta</i> , 2010, 55, 3477-3485.	2.6	65
95	Promethazine determination in plasma samples by using carbon paste electrode modified with molecularly imprinted polymer (MIP): Coupling of extraction, preconcentration and electrochemical determination. <i>Electrochimica Acta</i> , 2010, 55, 5867-5873.	2.6	63
96	Development of a voltammetric sensor based on a molecularly imprinted polymer (MIP) for caffeine measurement. <i>Electrochimica Acta</i> , 2010, 55, 1568-1574.	2.6	132
97	Comparison of different methodologies for integration of molecularly imprinted polymer and electrochemical transducer in order to develop a paraoxon voltammetric sensor. <i>Thin Solid Films</i> , 2010, 518, 6099-6106.	0.8	31
98	Chemiresistor sensors array optimization by using the method of coupled statistical techniques and its application as an electronic nose for some organic vapors recognition. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 740-749.	4.0	40
99	Preparation of molecularly imprinted polymer containing selective cavities for urea molecule and its application for urea extraction. <i>Analytica Chimica Acta</i> , 2010, 669, 94-101.	2.6	48
100	A new molecularly imprinted polymer (MIP)-based electrochemical sensor for monitoring 2,4,6-trinitrotoluene (TNT) in natural waters and soil samples. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1166-1172.	5.3	221
101	High Selective Parathion Voltammetric Sensor Development by Using an Acrylic Based Molecularly Imprinted Polymer-Carbon Paste Electrode. <i>Electroanalysis</i> , 2009, 21, 1490-1498.	1.5	43
102	Multivariate optimization of molecularly imprinted polymer solid-phase extraction applied to parathion determination in different water samples. <i>Analytica Chimica Acta</i> , 2009, 638, 154-161.	2.6	44
103	A novel high selective and sensitive para-nitrophenol voltammetric sensor, based on a molecularly imprinted polymer-carbon paste electrode. <i>Talanta</i> , 2009, 79, 1197-1203.	2.9	142
104	Development of a molecularly imprinted polymer for pyridoxine using an ion-pair as template. <i>Analytica Chimica Acta</i> , 2008, 623, 101-108.	2.6	62
105	Development of fast Fourier transformation continuous cyclic voltammetry as a highly sensitive detection system for ultra trace monitoring of penicillin V. <i>Analytical Biochemistry</i> , 2007, 360, 175-181.	1.1	29
106	Fabrication of a highly selective and sensitive Gd(III)-PVC membrane sensor based on N-(2-pyridyl)-N'-(4-nitrophenyl)thiourea. <i>Sensors and Actuators B: Chemical</i> , 2007, 120, 487-493.	4.0	38
107	Fast Fourier Continuous Cyclic Voltammetry at Gold Ultramicroelectrode in Flowing Solution for Determination of Ultra Trace Amounts of Penicillin G. <i>Electroanalysis</i> , 2006, 18, 947-954.	1.5	86
108	Molecularly Imprinted Conductive Polymers. <i>ACS Symposium Series</i> , 0, , 255-286.	0.5	0