

# Ali Hajian

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,817  
citations

304602

22  
h-index

265120

42  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymeless voltammetric sensor for simultaneous determination of parathion and paraoxon based on Nd-based metal-organic framework. <i>Chemosphere</i> , 2022, 292, 133440.	4.2	15
2	Impact of sintering temperature on phase composition, microstructure, and porosification behavior of LTCC substrates. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5789-5800.	2.8	10
3	Wet chemical porosification with phosphate buffer solutions for permittivity reduction of LTCC substrates. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158059.	2.8	5
4	Electrochemiluminescent biosensor for ultrasensitive detection of lymphoma at the early stage using CD20 markers as B cell-specific antigens. <i>Bioelectrochemistry</i> , 2021, 138, 107730.	2.4	16
5	Electrochemical biosensors for the detection of lung cancer biomarkers: A review. <i>Talanta</i> , 2020, 206, 120251.	2.9	225
6	Absorbance-based Spectroelectrochemical Sensor for Determination of Ampyra Based on Electrochemical Preconcentration. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128723.	4.0	14
7	A superficial approach for fabricating unique ternary AgI@TiO <sub>2</sub> /Zr-MOF composites: An excellent interfacial with improved photocatalytic light-responsive under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112717.	2.0	13
8	Design and Application of a Non-Enzymatic Sensor Based on Metal-Organic Frameworks for the Simultaneous Determination of Carbofuran and Carbaryl in Fruits and Vegetables. <i>Electroanalysis</i> , 2019, 31, 2455-2465.	1.5	23
9	A Non-Enzymatic Glucose Sensor Based on the Hybrid Thin Films of Cu on Acetanilide/ITO. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1116-B1125.	1.3	22
10	High-performance electrochemical enzyme sensor for organophosphate pesticide detection using modified metal-organic framework sensing platforms. <i>Bioelectrochemistry</i> , 2019, 130, 107348.	2.4	89
11	Wet-chemical porosification of LTCC substrates: Dissolution mechanism and mechanical properties. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109593.	2.2	7
12	A novel sensing layer based on metal-organic framework UiO-66 modified with TiO <sub>2</sub> -graphene oxide: application to rapid, sensitive and simultaneous determination of paraoxon and chlorpyrifos. <i>New Journal of Chemistry</i> , 2019, 43, 2600-2609.	1.4	70
13	Tailored and deep porosification of LTCC substrates with phosphoric acid. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3112-3119.	2.8	4
14	Influence of the PCB Manufacturing Process on the Measurement Error of Planar Relative Permittivity Sensors Up To 100 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 2793-2804.	2.9	18
15	Nonenzymatic Electrochemical Determination of Paraoxon Ethyl in Water and Fruits by Graphene-Based NiFe Bimetallic Phosphosulfide Nanocomposite as a Superior Sensing Layer. <i>Food Analytical Methods</i> , 2019, 12, 1545-1555.	1.3	30
16	On the porosification of LTCC substrates with sodium hydroxide. <i>Composites Part B: Engineering</i> , 2019, 157, 14-23.	5.9	10
17	A novel platform based on graphene nanoribbons/protein capped Au-Cu bimetallic nanoclusters: Application to the sensitive electrochemical determination of bisphenol A. <i>Microchemical Journal</i> , 2019, 145, 242-251.	2.3	54
18	Porosification behaviour of LTCC substrates with potassium hydroxide. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2369-2377.	2.8	8

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19	A novel and high performance enzyme-less sensing layer for electrochemical detection of methyl parathion based on BSA templated Au@Ag bimetallic nanoclusters. <i>New Journal of Chemistry</i> , 2018, 42, 7213-7222.	1.4	40
20	Electrochemical sensor based on gold nanoparticle-multiwall carbon nanotube nanocomposite for the sensitive determination of docetaxel as an anticancer drug. <i>Ionics</i> , 2018, 24, 3209-3219.	1.2	26
21	Modified 3D Graphene-Au as a Novel Sensing Layer for Direct and Sensitive Electrochemical Determination of Carbaryl Pesticide in Fruit, Vegetable, and Water Samples. <i>Food Analytical Methods</i> , 2018, 11, 3005-3014.	1.3	70
22	Protein templated Au-Pt nanoclusters-graphene nanoribbons as a high performance sensing layer for the electrochemical determination of diazinon. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 180-189.	4.0	60
23	Amin-functionalized magnetic-silica core-shell nanoparticles for removal of Hg <sup>2+</sup> from aqueous solution. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 750-756.	1.3	9
24	A novel electrochemical platform for sensitive and simultaneous determination of dopamine, uric acid and ascorbic acid based on Fe <sub>3</sub> O <sub>4</sub> SnO <sub>2</sub> Gr ternary nanocomposite. <i>Microchemical Journal</i> , 2017, 131, 120-129.	2.3	116
25	1,2,4-Triazole-3-thiol-protected silver-nanoparticles as a platform for ECE electrochemical reaction. <i>Electrochemistry Communications</i> , 2017, 82, 56-60.	2.3	2
26	Nanomolar simultaneous determination of tryptophan and melatonin by a new ionic liquid carbon paste electrode modified with SnO <sub>2</sub> -Co <sub>3</sub> O <sub>4</sub> @rGO nanocomposite. <i>Materials Science and Engineering C</i> , 2017, 71, 386-394.	3.8	74
27	Protein capped Cu nanoclusters-SWCNT nanocomposite as a novel candidate of high performance platform for organophosphates enzymeless biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 89, 829-836.	5.3	95
28	Composite of Cu metal nanoparticles-multiwall carbon nanotubes-reduced graphene oxide as a novel and high performance platform of the electrochemical sensor for simultaneous determination of nitrite and nitrate. <i>Journal of Hazardous Materials</i> , 2017, 324, 762-772.	6.5	244
29	Nanomolar detection of methylparaben by a cost-effective hemoglobin-based biosensor. <i>Materials Science and Engineering C</i> , 2016, 69, 122-127.	3.8	25
30	Magnetic Carbon Paste Electrode Modified with a High Performance Composite Based on Molecularly Imprinted Carbon Nanotubes for Sensitive Determination of Levofloxacin. <i>Journal of the Electrochemical Society</i> , 2016, 163, B422-B427.	1.3	47
31	Electrostatically Immobilized Hemoglobin on Silica-Coated Magnetic Nanoparticles for Simultaneous Determination of Dopamine, Uric Acid, and Folic Acid. <i>Journal of the Electrochemical Society</i> , 2016, 163, B609-B616.	1.3	9
32	Modified fractal iron oxide magnetic nanostructure: A novel and high performance platform for redox protein immobilization, direct electrochemistry and bioelectrocatalysis application. <i>Biosensors and Bioelectronics</i> , 2016, 85, 814-821.	5.3	53
33	Synthesis of nanostructured and microstructured ZnO and Zn(OH) <sub>2</sub> on activated carbon cloth by hydrothermal and microwave-assisted chemical bath deposition methods. <i>Superlattices and Microstructures</i> , 2015, 81, 226-232.	1.4	9
34	Development of a Novel Biosensor for Nanomolar Detection of Methylparaben. <i>Procedia Engineering</i> , 2015, 120, 552-555.	1.2	5
35	Nanostructured Flower like Pt-Ru for Ethanol Oxidation and Determination. <i>Journal of the Electrochemical Society</i> , 2015, 162, B41-B46.	1.3	16
36	Electrodeposition of Pt Nanoparticles on New Porous Graphitic Carbon Nanostructures Prepared from Biomass for Fuel Cell and Methanol Sensing Applications. <i>Electrocatalysis</i> , 2015, 6, 220-228.	1.5	22

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37	Electrosynthesis of Polythiophene Nanowires and Their Application for Sensing of Chlorpromazine. <i>Journal of the Electrochemical Society</i> , 2014, 161, B196-B200.	1.3	49
38	Electrosynthesis of high-density polythiophene nanotube arrays and their application for sensing of riboflavin. <i>Journal of Molecular Liquids</i> , 2014, 199, 150-155.	2.3	26
39	Simultaneous determination of ascorbic acid, dopamine, and uric acid using a carbon paste electrode modified with multiwalled carbon nanotubes, ionic liquid, and palladium nanoparticles. <i>Mikrochimica Acta</i> , 2014, 181, 1999-2008.	2.5	92
40	Analytical sensing of hydrogen peroxide on Ag nanoparticles@multiwalled carbon nanotube-modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2017-2025.	1.2	51
41	Prediction of the Surface Tension, Surface Concentration and the Relative Gibbs Adsorption Isotherm of Non-ideal Binary Liquid Mixtures. <i>Journal of Solution Chemistry</i> , 2013, 42, 2071-2086.	0.6	24
42	On the Adsorption of Some Catechol Derivatives from Aqueous Solutions onto Activated Carbon Cloth: Equilibrium and Kinetic Studies. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 1629-1634.	1.3	6
43	Synthesis and characterization of supported silica nano hollow spheres with CdS quantum dots. <i>Journal of Molecular Liquids</i> , 2012, 174, 124-128.	2.3	14