

# Alireza Khoshroo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/426012/publications.pdf>

Version: 2024-02-01

60  
papers

2,338  
citations

172457

29  
h-index

214800

47  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2696  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of paper-based aptasensor for circulating tumor cells detection in the breast cancer. <i>Journal of Electroanalytical Chemistry</i> , 2022, 910, 116182.	3.8	14
2	Total factor energy productivity considering undesirable pollutant outputs: A new double frontier based malmquist productivity index. <i>Energy</i> , 2022, 258, 124819.	8.8	7
3	A Simple Method for Developing a Hand-drawn Paper-based Sensor for Mercury; Using Green Synthesized Silver Nanoparticles and Smartphone as a Hand-held Device for Colorimetric Assay. <i>Global Challenges</i> , 2021, 5, 2000099.	3.6	12
4	Earlier diagnoses of acute leukemia by a sandwich type of electrochemical aptasensor based on copper sulfide-graphene composite. <i>Analytica Chimica Acta</i> , 2021, 1146, 1-10.	5.4	31
5	Determination of homocysteine using a dopamine-functionalized graphene composite. <i>Microchemical Journal</i> , 2021, 165, 106124.	4.5	24
6	Energy efficiency and congestion considering data envelopment analysis and bounded adjusted measure: A case of tomato production. <i>Journal of Cleaner Production</i> , 2021, 328, 129639.	9.3	14
7	Electrochemical system designed on a copper tape platform as a nonenzymatic glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128778.	7.8	33
8	Electrochemical analysis of anionic analytes in weakly supported media using electron transfer promotion effect: a case study on nitrite. <i>Scientific Reports</i> , 2020, 10, 14511.	3.3	7
9	Green synthesis and structural characterization of gold nanoparticles from <i>Achillea wilhelmsii</i> leaf infusion and in vitro evaluation. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	19
10	One-step Synthesized Silver Nanoparticles Using Isoimperatorin: Evaluation of Photocatalytic, and Electrochemical Activities. <i>Scientific Reports</i> , 2020, 10, 1762.	3.3	85
11	Electrochemical determination of the antipsychotic medication clozapine by a carbon paste electrode modified with a nanostructure prepared from titania nanoparticles and copper oxide. <i>Mikrochimica Acta</i> , 2019, 186, 698.	5.0	36
12	A nanocomposite consisting of reduced graphene oxide and electropolymerized $\beta$ -cyclodextrin for voltammetric sensing of levofloxacin. <i>Mikrochimica Acta</i> , 2019, 186, 438.	5.0	37
13	An electrochemical sensor based on poly (L-Cysteine)@AuNPs @ reduced graphene oxide nanocomposite for determination of levofloxacin. <i>Microchemical Journal</i> , 2019, 147, 198-206.	4.5	73
14	Silver nanofibers/ionic liquid nanocomposite based electrochemical sensor for detection of clonazepam via electrochemically amplified detection. <i>Microchemical Journal</i> , 2019, 145, 1185-1190.	4.5	53
15	An electrochemical immunosensor based on poly p-phenylenediamine and graphene nanocomposite for detection of neuron-specific enolase via electrochemically amplified detection. <i>Analytical Biochemistry</i> , 2018, 548, 53-59.	2.4	105
16	A new composite consisting of electrosynthesized conducting polymers, graphene sheets and biosynthesized gold nanoparticles for biosensing acute lymphoblastic leukemia. <i>Bioelectrochemistry</i> , 2018, 121, 38-45.	4.6	39
17	Self-assembled monolayers of organosulfur derivative on gold nanoparticles as electrochemical sensor for determination of isoprenaline. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1061-1068.	2.2	7
18	Electrochemical immunosensor for the breast cancer marker CA 15 <sup>a</sup> based on the catalytic activity of a CuS/reduced graphene oxide nanocomposite towards the electrooxidation of catechol. <i>Mikrochimica Acta</i> , 2018, 185, 79.	5.0	79

#	ARTICLE	IF	CITATIONS
19	Nickel nitride nanoparticles as efficient electrocatalyst for effective electro-oxidation of ethanol and methanol in alkaline media. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 229, 201-205.	3.5	37
20	Improving energy efficiency considering reduction of CO <sub>2</sub> emission of turnip production: A novel data envelopment analysis model with undesirable output approach. <i>Journal of Cleaner Production</i> , 2018, 187, 605-615.	9.3	42
21	Enhanced performance of label-free electrochemical immunosensor for carbohydrate antigen 15-3 based on catalytic activity of cobalt sulfide/graphene nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 580-587.	7.8	65
22	Development of electrochemical sensor for sensitive determination of oxazepam based on silver-platinum core-shell nanoparticles supported on graphene. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 61-66.	3.8	57
23	Energy management in crop production using a novel fuzzy data envelopment analysis model. <i>RAIRO - Operations Research</i> , 2018, 52, 595-617.	1.8	17
24	Sensitivity analysis of energy inputs in crop production using artificial neural networks. <i>Journal of Cleaner Production</i> , 2018, 197, 992-998.	9.3	61
25	Simultaneous Determination of Ascorbic Acid, Uric Acid and Tryptophan by Novel Carbon Nanotube Paste Electrode. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 851-863.	0.5	3
26	Eco-efficiency measurement and material balance principle: an application in power plants Malmquist Luenberger Index. <i>Annals of Operations Research</i> , 2017, 255, 221-239.	4.1	41
27	High-performance electrochemical sensor based on electrodeposited iron oxide nanoparticle: catecholamine as analytical probe. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1659-1664.	2.2	8
28	Graphene sheet for improving the electrocatalytic activity of a benzofuran derivative modified electrode for determination of epinephrine in the presence of serotonin. <i>Journal of Analytical Chemistry</i> , 2017, 72, 689-698.	0.9	5
29	Thiosemicarbazide derivative-functionalized carbon nanotube for simultaneous determination of isoprenaline and piroxicam. <i>Journal of Analytical Science and Technology</i> , 2017, 8, .	2.1	5
30	Different Electrocatalytic Response Related to the Morphological Structure of TiO <sub>2</sub> Nanomaterial: Hydroquinone as an Analytical Probe. <i>Electroanalysis</i> , 2017, 29, 231-237.	2.9	6
31	Electrochemical determination of diazepam in real samples based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 125-131.	7.8	74
32	Influence of Nitrogen Doping on the Electrocatalytic Effect of TiO <sub>2</sub> Nanofibers. <i>Journal of the Electrochemical Society</i> , 2017, 164, H903-H907.	2.9	2
33	Enhanced activity for non-enzymatic glucose oxidation on nickel nanostructure supported on PEDOT:PSS. <i>Journal of Electroanalytical Chemistry</i> , 2016, 775, 116-120.	3.8	27
34	Nano composite system based on fullerene-functionalized carbon nanotubes for simultaneous determination of levodopa and acetaminophen. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 91, 162-167.	5.0	27
35	Surface passivation of titanium dioxide via an electropolymerization method to improve the performance of dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 12537-12543.	3.6	6
36	Ultrasensitive Electrochemical Immunosensor for Detection of Tumor Necrosis Factor- $\alpha$ Based on Functionalized MWCNT-Gold Nanoparticle/Ionic Liquid Nanocomposite. <i>Electroanalysis</i> , 2015, 27, 2518-2526.	2.9	33

#	ARTICLE	IF	CITATIONS
37	Carbon nanotube electrochemical sensor based on and benzofuran derivative as a mediator for the determination of levodopa, acetaminophen, and tryptophan. <i>Ionics</i> , 2015, 21, 1741-1749.	2.4	25
38	Simultaneous determination of hydrazine and hydroxylamine based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 132-137.	7.8	52
39	Label-free electrochemical immunosensor for detection of tumor necrosis factor $\alpha$ based on fullerene-functionalized carbon nanotubes/ionic liquid. <i>Journal of Electroanalytical Chemistry</i> , 2015, 757, 58-64.	3.8	71
40	Electrocatalytic Properties of Vanadyl Complex in Graphite Nanocomposite and its Enhanced Electrochemical Catalysis Properties for Levodopa Oxidation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1576-1581.	3.7	6
41	Investigating the Effective Component of Classroom Management in Predicting Academic Achievement among English Language Students. <i>Procedia, Social and Behavioral Sciences</i> , 2015, 205, 591-596.	0.5	4
42	Enhanced performance of dye-sensitized solar cells with dual-function coadsorbent: reducing the surface concentration of dye-iodine complexes concomitant with attenuated charge recombination. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22985-22990.	2.8	23
43	Electrochemical determination of captopril in the presence of acetaminophen, tryptophan, folic acid, and l-cysteine at the surface of modified carbon nanotube paste electrode. <i>Ionics</i> , 2015, 21, 239-250.	2.4	14
44	Simultaneous Determination of Isoproterenol, Acetaminophen and Folic Acid Using Nanostructured Electrochemical Sensor Based on Benzofuran Derivative and Carbon Nanotubes. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	1
45	High sensitive sensor based on functionalized carbon nanotube/ionic liquid nanocomposite for simultaneous determination of norepinephrine and serotonin. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 17-23.	3.8	58
46	Electrocatalytic properties of functionalized carbon nanotubes with titanium dioxide and benzofuran derivative/ionic liquid for simultaneous determination of isoproterenol and serotonin. <i>Electrochimica Acta</i> , 2014, 130, 634-641.	5.2	36
47	High performance electrochemical sensor based on fullerene-functionalized carbon nanotubes/ionic liquid: Determination of some catecholamines. <i>Electrochemistry Communications</i> , 2014, 42, 9-12.	4.7	53
48	Simultaneous determination of the concentrations of isoproterenol, uric acid, and folic acid in solution using a novel nanostructure- based electrochemical sensor. <i>Chinese Journal of Catalysis</i> , 2014, 35, 565-572.	14.0	14
49	Simultaneous Determination of Isoproterenol, Acetaminophen and Folic Acid Using a Novel Nanostructure-Based Electrochemical Sensor. <i>Electroanalysis</i> , 2014, 26, 275-284.	2.9	28
50	Electrocatalysis of dopamine in the presence of uric acid and folic acid on modified carbon nanotube paste electrode. <i>Chinese Journal of Catalysis</i> , 2014, 35, 201-209.	14.0	20
51	Electrochemical and catalytic investigations of epinephrine, acetaminophen and folic acid at the surface of titanium dioxide nanoparticle-modified carbon paste electrode. <i>Ionics</i> , 2014, 20, 1757-1765.	2.4	15
52	Application of graphene to modified ionic liquid graphite composite and its enhanced electrochemical catalysis properties for levodopa oxidation. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 282-288.	7.8	31
53	Screen-printed electrodes for biosensing: a review (2008-2013). <i>Mikrochimica Acta</i> , 2014, 181, 865-891.	5.0	387
54	Improving Energy Efficiency Using Data Envelopment Analysis: A Case of Walnut Production. <i>Profiles in Operations Research</i> , 2014, , 227-240.	0.4	4

#	ARTICLE	IF	CITATIONS
55	Oxidized multiwalled carbon nanotubes for improving the electrocatalytic activity of a Schiff base modified electrode in determination of isoprenaline. <i>Journal of Electroanalytical Chemistry</i> , 2013, 705, 75-80.	3.8	28
56	Nano composite system based on coumarin derivative-titanium dioxide nanoparticles and ionic liquid: Determination of levodopa and carbidopa in human serum and pharmaceutical formulations. <i>Analytica Chimica Acta</i> , 2013, 798, 25-32.	5.4	52
57	A non-parametric Data Envelopment Analysis approach for improving energy efficiency of grape production. <i>Energy</i> , 2013, 63, 189-194.	8.8	58
58	An electrochemical study of benzofuran derivative in modified electrode-based CNT/ionic liquids for determining nanomolar concentrations of hydrazine. <i>Electrochimica Acta</i> , 2013, 103, 77-84.	5.2	68
59	Electrochemical Study of Catechol Derivatives in the Presence of $\beta$ -diketones: Synthesis of Benzofuran Derivatives. <i>Journal of the Electrochemical Society</i> , 2012, 159, H912-H917.	2.9	17
60	Electrocatalytic oxidation and voltammetric determination of levodopa in the presence of carbidopa at the surface of a nanostructure based electrochemical sensor. <i>Biosensors and Bioelectronics</i> , 2012, 35, 75-81.	10.1	82