

Behzad Haghghi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7647947/behzad-haghghi-publications-by-citations.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

2,087
citations

25
h-index

42
g-index

97
ext. papers

2,346
ext. citations

4.4
avg, IF

5.2
L-index

#	Paper	IF	Citations
94	Characterization of graphite electrodes modified with laccase from <i>Trametes versicolor</i> and their use for bioelectrochemical monitoring of phenolic compounds in flow injection analysis. <i>Analytica Chimica Acta</i> , 2003 , 487, 3-14	6.6	119
93	Electrochemical behavior and application of Prussian blue nanoparticle modified graphite electrode. <i>Sensors and Actuators B: Chemical</i> , 2010 , 147, 270-276	8.5	89
92	Flow injection chemiluminescence determination of isoniazid using luminol and silver nanoparticles. <i>Microchemical Journal</i> , 2010 , 95, 192-197	4.8	84
91	Green-synthesis of reduced graphene oxide nanosheets using rose water and a survey on their characteristics and applications. <i>RSC Advances</i> , 2013 , 3, 13365	3.7	81
90	Prussian blue modified glassy carbon electrodes-study on operational stability and its application as a sucrose biosensor. <i>Talanta</i> , 2004 , 64, 3-12	6.2	75
89	Formation of a robust and stable film comprising ionic liquid and polyoxometalate on glassy carbon electrode modified with multiwalled carbon nanotubes: Toward sensitive and fast detection of hydrogen peroxide and iodate. <i>Electrochimica Acta</i> , 2010 , 55, 4750-4757	6.7	69
88	Enhanced electrochemiluminescence from luminol at multi-walled carbon nanotubes decorated with palladium nanoparticles: a novel route for the fabrication of an oxygen sensor and a glucose biosensor. <i>Analytica Chimica Acta</i> , 2011 , 697, 90-7	6.6	68
87	Fabrication of a highly sensitive electrochemiluminescence lactate biosensor using ZnO nanoparticles decorated multiwalled carbon nanotubes. <i>Talanta</i> , 2011 , 85, 2189-93	6.2	63
86	Conversions of Mn oxides to nanolayered Mn oxide in electrochemical water oxidation at near neutral pH, all to a better catalyst: catalyst evolution. <i>Dalton Transactions</i> , 2013 , 42, 16683-6	4.3	56
85	Fabrication of a third-generation glucose biosensor using graphene-polyethyleneimine-gold nanoparticles hybrid. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 454-461	8.5	56
84	Second-order data obtained from differential pulse voltammetry: Determination of tryptophan at a gold nanoparticles decorated multiwalled carbon nanotube modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2011 , 56, 8618-8624	6.7	55
83	A manganese oxide with phenol groups as a promising structural model for water oxidizing complex in Photosystem II: a golden fish. <i>Dalton Transactions</i> , 2012 , 41, 3906-10	4.3	52
82	Fabrication of a novel electrochemiluminescence glucose biosensor using Au nanoparticles decorated multiwalled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2011 , 155, 577-583	8.5	52
81	Evaluation of Formation Constants, Molar Absorptivities of Metal Complexes, and Protonation Constants of Acids by Nonlinear Curve Fitting Using Microsoft Excel Solver and User-Defined Function. <i>Microchemical Journal</i> , 1999 , 62, 229-236	4.8	52
80	Nanolayered manganese oxide/poly(4-vinylpyridine) as a biomimetic and very efficient water oxidizing catalyst: toward an artificial enzyme in artificial photosynthesis. <i>Chemical Communications</i> , 2013 , 49, 8824-6	5.8	51
79	Electrical wiring of <i>Pseudomonas putida</i> and <i>Pseudomonas fluorescens</i> with osmium redox polymers. <i>Bioelectrochemistry</i> , 2007 , 71, 38-45	5.6	45
78	Nanostructured manganese oxide/carbon nanotubes, graphene and graphene oxide as water-oxidizing composites in artificial photosynthesis. <i>Dalton Transactions</i> , 2014 , 43, 10866-76	4.3	43

77	Direct electron transfer from glucose oxidase immobilized on an overoxidized polypyrrole film decorated with Au nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 103, 566-71	6	43
76	Sensitive and selective determination of hydrazine using glassy carbon electrode modified with Pd nanoparticles decorated multiwalled carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1411-6	4.4	41
75	Nano-size layered manganese-calcium oxide as an efficient and biomimetic catalyst for water oxidation under acidic conditions: comparable to platinum. <i>Dalton Transactions</i> , 2013 , 42, 5085-91	4.3	38
74	A 2-(2-hydroxyphenyl)-1H-benzimidazole-manganese oxide hybrid as a promising structural model for the tyrosine 161/histidine 190-manganese cluster in photosystem II. <i>Dalton Transactions</i> , 2013 , 42, 879-84	4.3	38
73	LC Determination of Adulterated Saffron Prepared by Adding Styles Colored with Some Natural Colorants. <i>Chromatographia</i> , 2007 , 66, 325-332	2.1	32
72	Amperometric detection of insulin at renewable sol-gel derived carbon ceramic electrode modified with nickel powder and potassium octacyanomolybdate(IV). <i>Biosensors and Bioelectronics</i> , 2006 , 22, 220-6	11.8	32
71	Carbon Ceramic Electrodes Modified with Laccase from <i>Trametes hirsuta</i> : Fabrication, Characterization and Their Use for Phenolic Compounds Detection. <i>Electroanalysis</i> , 2007 , 19, 907-917	3	29
70	Flow injection analysis of sulphite by gas-phase molecular absorption UV/VIS spectrophotometry. <i>Talanta</i> , 1997 , 44, 1009-16	6.2	28
69	Fabrication of a nonenzymatic glucose sensor using Pd-nanoparticles decorated ionic liquid derived fibrillated mesoporous carbon. <i>Materials Science and Engineering C</i> , 2015 , 52, 219-24	8.3	25
68	Comparison of nano-sized Mn oxides with the Mn cluster of photosystem II as catalysts for water oxidation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015 , 1847, 294-306	4.6	25
67	Electrochemical Characterization and Application of Carbon Ionic Liquid Electrodes Containing 1 : 12 Phosphomolybdic Acid. <i>Electroanalysis</i> , 2009 , 21, 1057-1065	3	25
66	Prussian Blue Modified Carbon Ionic Liquid Electrode: Electrochemical Characterization and Its Application for Hydrogen Peroxide and Glucose Measurements. <i>Electroanalysis</i> , 2009 , 21, 1862-1868	3	25
65	Direct electron transfer from glucose oxidase immobilized on a nano-porous glassy carbon electrode. <i>Electrochimica Acta</i> , 2011 , 56, 10101-10106	6.7	24
64	Fabrication of gallium hexacyanoferrate modified carbon ionic liquid paste electrode for sensitive determination of hydrogen peroxide and glucose. <i>Materials Science and Engineering C</i> , 2014 , 40, 204-11	8.3	23
63	Flow injection chemiluminescence analysis of phenolic compounds using the NCS-luminol system. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 384, 1246-53	4.4	23
62	Amperometric hydrazine sensor using a glassy carbon electrode modified with gold nanoparticle-decorated multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2017 , 184, 4537-4543	5.8	22
61	Immobilization of glucose oxidase on ZnO nanorods decorated electrolyte-gated field effect transistor for glucose detection. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 61-67	2.6	22
60	Direct Electron Transfer of Cellobiose Dehydrogenase on Positively Charged Polyethyleneimine Gold Nanoparticles. <i>ChemPlusChem</i> , 2017 , 82, 546-552	2.8	21

59	Fabrication of a highly efficient solid state electrochemiluminescence sensor using Ru(bpy) ₃ ²⁺ incorporated nanoZnO-MWCNTs-Nafion composite film. <i>Electrochimica Acta</i> , 2015 , 164, 211-217	6.7	20
58	Fabrication of a liquid-gated enzyme field effect device for sensitive glucose detection. <i>Analytica Chimica Acta</i> , 2016 , 924, 99-105	6.6	20
57	Fabrication of a sensitive amperometric sensor for NADH and H ₂ O ₂ using palladium nanoparticles-multiwalled carbon nanotube nanohybrid. <i>Materials Science and Engineering C</i> , 2016 , 62, 423-8	8.3	19
56	Direct Determination of the Interaction Potentials for SF ₆ -Ar, SF ₆ -Kr and SF ₆ -Xe from the Extended Law of Corresponding States. <i>Journal of the Physical Society of Japan</i> , 1998 , 67, 3086-3089	1.5	19
55	An engineered polypeptide around nano-sized manganese-calcium oxide: copying plants for water oxidation. <i>Dalton Transactions</i> , 2015 , 44, 15271-8	4.3	18
54	Cathodic electrogenerated chemiluminescence of luminol on glassy carbon electrode modified with cobalt nanoparticles decorated multi-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2015 , 154, 259-265	6.7	17
53	Sequential flow injection analysis of ammonium and nitrate using gas phase molecular absorption spectrometry. <i>Talanta</i> , 2004 , 64, 688-94	6.2	17
52	Development of a sensitive high-performance liquid chromatographic method for detection of aflatoxins in pistachio nuts. <i>Journal of Chromatography A</i> , 1981 , 206, 101-8	4.5	17
51	Improved electrogenerated chemiluminescence of luminol by cobalt nanoparticles decorated multi-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 762, 80-86	4.1	16
50	Simultaneous flow injection determination of iron(II) and iron(III) with opto-electrochemical detection. <i>Analytica Chimica Acta</i> , 1997 , 354, 43-50	6.6	16
49	Calculation of the transport properties of CO ₂ noble gases mixtures at low density by the semi-empirical inversion method. <i>Fluid Phase Equilibria</i> , 2002 , 203, 205-225	2.5	15
48	Characterization of graphite electrodes modified with laccases from <i>Trametes hirsuta</i> and <i>Cerrena unicolor</i> and their use for flow injection amperometric determination of some phenolic compounds. <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 753-770	1.8	14
47	The effect of different metal ions between nanolayers of manganese oxide on water oxidation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 141, 247-52	6.7	13
46	Transport Coefficients of Natural Gases. <i>Journal of Chemical Engineering of Japan</i> , 2007 , 40, 698-710	0.8	12
45	Fabrication and Application of a Sensitive and Highly Stable Copper Hexacyanoferrate Modified Carbon Ionic Liquid Paste Electrode for Hydrogen Peroxide and Glucose Detection. <i>Electroanalysis</i> , 2012 , 24, 2165-2175	3	11
44	Electrochemical Behavior of Glucose Oxidase Immobilized on Pd-Nanoparticles Decorated Ionic Liquid Derived Fibrillated Mesoporous Carbon. <i>Electroanalysis</i> , 2014 , 26, 2010-2016	3	10
43	Flow Injection Analysis of Sulfide by Gas Phase Molecular Absorption UV/Vis Spectrometry. <i>Analytical Letters</i> , 2003 , 36, 479-492	2.2	10
42	Flow-injection analysis of nitrate by reduction to nitrite and gas-phase molecular absorption spectrometry. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 371, 1113-8		10

41	Flow injection analysis of nitrite by gas phase molecular absorption UV spectrophotometry. <i>Talanta</i> , 2002 , 56, 137-44	6.2	10
40	Investigation of photo-electrochemical response of iron oxide/mixed-phase titanium oxide heterojunction toward possible solar energy conversion. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7241-7253	6.7	10
39	Interaction of polymer-coated gold nanoparticles with cellobiose dehydrogenase: The role of surface charges. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 819, 226-233	4.1	9
38	A nano-sized manganese oxide in a protein matrix as a natural water-oxidizing site. <i>Plant Physiology and Biochemistry</i> , 2014 , 81, 3-15	5.4	9
37	PREDICTION OF THE TRANSPORT PROPERTIES OF SF6 WITH O2, CO2, CF4, N2 AND CH4 MIXTURES AT LOW DENSITY BY THE INVERSION METHOD (PART II). <i>Journal of Theoretical and Computational Chemistry</i> , 2004 , 03, 69-90	1.8	9
36	Photoelectrochemistry of manganese oxide/mixed phase titanium oxide heterojunction. <i>New Journal of Chemistry</i> , 2020 , 44, 3514-3523	3.6	8
35	Nano-sized manganese-calcium cluster in photosystem II. <i>Biochemistry (Moscow)</i> , 2014 , 79, 324-36	2.9	8
34	Determination of a potential energy function for nitrogen trifluoride by inversion of the new reduced viscosity collision integrals at zero density. <i>Chemical Physics</i> , 2010 , 369, 59-65	2.3	8
33	Nano-sized layered manganese oxide in a poly-L-glutamic acid matrix: a biomimetic, homogenized, heterogeneous structural model for the water-oxidizing complex in photosystem II. <i>RSC Advances</i> , 2014 , 4, 39077-39081	3.7	7
32	Prediction of thermal conductivities of oxygen, nitrogen and carbon dioxide at the moderate density regime via semi-empirical assessment. <i>Korean Journal of Chemical Engineering</i> , 2007 , 24, 1-10	2.8	7
31	CALCULATION OF THE DIFFUSION COEFFICIENTS FOR MIXTURES OF NO WITH He, Ne, Ar AND Kr AT LOW DENSITY USING SEMI-EMPIRICAL INVERSION METHOD. <i>Journal of Theoretical and Computational Chemistry</i> , 2003 , 02, 371-383	1.8	7
30	A simple, facile and low-cost method for the preparation of mixed-phase titanium oxide: toward efficient photoelectrochemical water oxidation. <i>New Journal of Chemistry</i> , 2019 , 43, 6989-7000	3.6	6
29	Enhanced electrochemiluminescence of ZnO nanoparticles decorated on multiwalled carbon nanotubes in the presence of peroxydisulfate. <i>Mikrochimica Acta</i> , 2016 , 183, 1487-1492	5.8	6
28	Imidazolium or guanidinium/layered manganese (III, IV) oxide hybrid as a promising structural model for the water-oxidizing complex of Photosystem II for artificial photosynthetic systems. <i>Photosynthesis Research</i> , 2013 , 117, 413-21	3.7	6
27	Fabrication and Characterization of a Thin-Layer Electrochemical Flow Cell and Its Application for Flow Analysis. <i>Analytical Letters</i> , 2011 , 44, 258-270	2.2	6
26	Design of a New Phase Separator for Liquid-Liquid Extraction in Flowing Systems. <i>Microchemical Journal</i> , 1996 , 53, 147-151	4.8	6
25	Standard additions in flow injection analysis with atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1997 , 357, 151-156	6.6	5
24	Effect of Various Deposition Techniques, Electrode Materials and Posttreatment with Tetrabutylammonium and Tetrabutylphosphonium Salts on the Electrochemical Behavior and Stability of Various Prussian Blue Modified Electrodes. <i>Electroanalysis</i> , 2007 , 19, 1921-1932	3	5

23	Direct Calculation of the Intermolecular Interaction Potential from the Extended Principle of Corresponding States for N ₂ H ₂ . <i>Physica Scripta</i> , 2000 , 61, 97-101	2.6	5
22	Photo-electrochemistry of metallic titanium/mixed phase titanium oxide. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 19433-19445	6.7	5
21	Carbon paste electrode modified with AgFeO ₂ as an electrocatalyst with excellent activity for water reduction and oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 836, 158-164	4.1	5
20	Investigation of the photoelectrochemical properties of layered manganese oxide. <i>New Journal of Chemistry</i> , 2019 , 43, 4049-4058	3.6	4
19	Rapid kinetic determination of silver (I), using in-cuvette mixing and computerized data acquisition. <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 357, 870-873		4
18	AgCuO ₂ as a novel bifunctional electrocatalyst for overall water splitting in alkaline media. <i>New Journal of Chemistry</i> , 2019 , 43, 4633-4639	3.6	4
17	Effect of copper and nitrogen nutrients on diosgenin production in fenugreek. <i>Archives of Agronomy and Soil Science</i> , 2014 , 60, 1115-1124	2	3
16	Spectrophotometric determination of vanadium (V), (IV), and (III) with pyrogallol in a flow injection system. <i>Microchemical Journal</i> , 1990 , 42, 319-322	4.8	3
15	Substrate Preference Pattern of <i>Agaricus meleagris</i> Pyranose Dehydrogenase Evaluated through Bioelectrochemical Flow Injection Amperometry. <i>ChemElectroChem</i> , 2019 , 6, 801-809	4.3	3
14	A survey on the effect of ionic liquid on electrochemical behavior and electrocatalytic activity of a phosphomolybdic acid-ionic liquid-MWCNT modified glassy carbon electrode. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1339-1350	2.6	2
13	Magnetic nanofibrous polyaniline nanocomposite for solid-phase extraction of naproxen from biological samples prior to its spectrofluorimetric determination. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 1209-1221	2	2
12	Development of flow injection spectrofluorimetric detection system for the determination of homocysteine. <i>Journal of Fluorescence</i> , 2012 , 22, 365-71	2.4	2
11	Common Intersection Points of Bulk Modulus for Liquefied Natural Gas (LNG) Mixtures. <i>Journal of the Chinese Chemical Society</i> , 2005 , 52, 209-213	1.5	2
10	Molar volume for mixtures of methane with krypton, argon, ethane and carbon monoxide using the ISM equation of state. <i>Journal of Molecular Liquids</i> , 2006 , 123, 134-138	6	2
9	Kinetic spectrophotometric determination of sulfide, using in-cuvette mixing and titration techniques with computerized data acquisition. <i>Fresenius Journal of Analytical Chemistry</i> , 1999 , 365, 654-657		2
8	Design of a Simple and Stand-alone RS-232c Interface. <i>Journal of Chemical Education</i> , 1995 , 72, A78	2.4	2
7	NiCoO ₂ -carbon composite as an efficient bifunctional catalyst for electrochemical water splitting. <i>Ionics</i> , 2020 , 26, 3959-3967	2.7	1
6	A Modified Z-Type Flow-through Cell for Optical, Electrochemical, and Optoelectrochemical Flow Injection Analysis Measurements. <i>Microchemical Journal</i> , 1997 , 57, 339-345	4.8	1

5	Viscosity Prediction for Oxygen, Nitrogen and Their Mixtures at Zero and Moderately Dense Regimes via Semi-Empirically Based Assessment. <i>Journal of the Chinese Chemical Society</i> , 2008 , 55, 245-254	1.5	1
4	A Simple, Low-cost and Sensitive Approach for Chemiluminescence Detection in Flow Systems. <i>Analytical Letters</i> , 2007 , 40, 2425-2432	2.2	1
3	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. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 3229-3239	5.8	1
2	Direct Electron Transfer of Cellobiose Dehydrogenase on Positively Charged Polyethyleneimine Gold Nanoparticles. <i>ChemPlusChem</i> , 2017 , 82, 510	2.8	
1	Fabrication and Characterization of a Low-Cost Micro-Volume Electrochemical Cell Using PCB for Electroanalytical Applications. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 057517	3.9	