

Fereshteh Chekin

List of Publications by Year in descending order

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papers

1,675
citations

257101

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docs citations

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times ranked

2194
citing authors

#	ARTICLE	IF	CITATIONS
1	MoS ₂ /reduced graphene oxide as active hybrid material for the electrochemical detection of folic acid in human serum. <i>Biosensors and Bioelectronics</i> , 2016, 85, 807-813.	5.3	113
2	Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 180-187.	4.0	108
3	The ultrasound-assisted aqueous extraction of rice bran oil. <i>Food Chemistry</i> , 2016, 194, 503-507.	4.2	86
4	Nucleic aptamer modified porous reduced graphene oxide/MoS ₂ based electrodes for viral detection: Application to human papillomavirus (HPV). <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 991-1000.	4.0	82
5	Synthesis of ZSM-5 zeolite: Electrochemical behavior of carbon paste electrode modified with Ni(II) zeolite and its application for electrocatalytic oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13295-13300.	3.8	67
6	Synthesis of Pt doped TiO ₂ nanoparticles: Characterization and application for electrocatalytic oxidation of L-methionine. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 898-903.	4.0	64
7	Reduced Graphene Oxide Modified Electrodes for Sensitive Sensing of Gliadin in Food Samples. <i>ACS Sensors</i> , 2016, 1, 1462-1470.	4.0	57
8	Synthesis of polyhydroquinoline derivatives via a four-component Hantzsch condensation catalyzed by tin dioxide nanoparticles. <i>Chinese Journal of Catalysis</i> , 2013, 34, 758-763.	6.9	46
9	Preparation and characterization of Ni(II)/polyacrylonitrile and carbon nanotube composite modified electrode and application for carbohydrates electrocatalytic oxidation. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3245-3251.	1.2	45
10	Direct and mediated electrochemistry of peroxidase and its electrocatalysis on a variety of screen-printed carbon electrodes: amperometric hydrogen peroxide and phenols biosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 439-446.	1.9	44
11	Green tea extract assisted green synthesis of reduced graphene oxide: Application for highly sensitive electrochemical detection of sunset yellow in food products. <i>Food Chemistry: X</i> , 2020, 6, 100085.	1.8	43
12	Nickel oxide nanoparticles prepared by gelatin and their application toward the oxygen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 747-753.	1.2	42
13	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1509-1516.	1.9	39
14	Catechol as an electrochemical indicator for voltammetric determination of N-acetyl-L-cysteine in aqueous media at the surface of carbon paste electrode. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1357-1363.	1.5	38
15	Antioxidant, Antibacterial and Anticancer Performance of Reduced Graphene Oxide Prepared via Green Tea Extract Assisted Biosynthesis. <i>ChemistrySelect</i> , 2020, 5, 10401-10406.	0.7	37
16	Palladium-doped mesoporous silica SBA-15 modified in carbon-paste electrode as a sensitive voltammetric sensor for detection of oxalic acid. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 291-296.	4.0	35
17	Synthesis and characterization of ordered mesoporous carbon as electrocatalyst for simultaneous determination of epinephrine and acetaminophen. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 3753-3760.	1.2	32
18	Green synthesis and characterization of cobalt oxide nanoparticles and its electrocatalytic behavior. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 816-822.	0.1	31

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19	Fabrication of Chitosanâ€“Multiwall Carbon Nanotube Nanocomposite Containing Ferri/Ferrocyanide: Application for Simultaneous Detection of D-Penicillamine and Tryptophan. Journal of the Chinese Chemical Society, 2012, 59, 1461-1467.	0.8	30
20	MoS ₂ /reduced graphene oxide nanocomposite for sensitive sensing of cysteamine in presence of uric acid in human plasma. Materials Science and Engineering C, 2017, 73, 627-632.	3.8	26
21	Electrochemistry and electrocatalysis of cobalt(ii) immobilized onto gel-assisted synthesized zinc oxide nanoparticleâ€“multi wall carbon nanotubeâ€“polycaprolactone composite film: application to determination of glucose. Analytical Methods, 2012, 4, 2423.	1.3	25
22	Silver nanoparticles prepared in presence of ascorbic acid and gelatin, and their electrocatalytic application. Bulletin of Materials Science, 2014, 37, 1433-1437.	0.8	25
23	Cobalt Doped Titanium Dioxide Nanoparticles: Synthesis, Characterization and Electrocatalytic Study. Journal of the Chinese Chemical Society, 2014, 61, 702-706.	0.8	25
24	Voltammetric sensor for D-penicillamine determination based on its electrocatalytic oxidation at the surface of ferrocenes modified carbon paste electrodes. Journal of Chemical Sciences, 2009, 121, 1083-1091.	0.7	24
25	Synthesis of Tungsten Oxide Nanorods by the Controlling Precipitation Reaction: Application for Hydrogen Evolution Reaction on a WO ₃ Nanorods/Carbon Nanotubes Composite Film Modified Electrode. Journal of the Chinese Chemical Society, 2013, 60, 447-451.	0.8	23
26	Colorimetric assay based on horseradish peroxidase/reduced graphene oxide hybrid for sensitive detection of hydrogen peroxide in beverages. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 257, 119761.	2.0	21
27	The porous chitosanâ€“sodium dodecyl sulfateâ€“carbon nanotube nanocomposite: direct electrochemistry and electrocatalysis of hemoglobin. Analytical Methods, 2012, 4, 2977.	1.3	20
28	Fabrication of functionalized carbon nanotube modified glassy carbon electrode and its application for selective oxidation and voltammetric determination of cysteamine. Journal of Electroanalytical Chemistry, 2009, 633, 187-192.	1.9	19
29	Application of graphene oxide in the adsorption and extraction of bioactive compounds from lemon peel. Food Science and Nutrition, 2021, 9, 3852-3862.	1.5	19
30	Reduce Graphene Oxide/Fe ₃ O ₄ Nanocomposite Biosynthesized by Sour Lemon Peel; Using as Electro-catalyst for Fabrication of Vanillin Electrochemical Sensor in Food Products Analysis and Anticancer Activity. Topics in Catalysis, 2022, 65, 726-732.	1.3	19
31	Preparation and electrochemical performance of grapheneâ€“Pt black nanocomposite for electrochemical methanol oxidation. Journal of Solid State Electrochemistry, 2014, 18, 893-898.	1.2	18
32	Synthesis, characterization, and electrochemical properties of the modified graphene oxide with 4,4'-methylenedianiline. Materials Letters, 2018, 211, 323-327.	1.3	18
33	Homogeneous electrocatalytic oxidation of d-penicillamine with ferrocyanide at a carbon paste electrode: application to voltammetric determination. Journal of Applied Electrochemistry, 2009, 39, 799-805.	1.5	17
34	Electrochemical Sensor Based on Nitrogen Doped Porous Reduced Graphene Oxide to Detection of Ciprofloxacin in Pharmaceutical Samples. Russian Journal of Electrochemistry, 2021, 57, 654-662.	0.3	17
35	Immobilization of 1,2-naphthoquinone-4-sulfonic acid on gold electrode: application for cysteamine detection using Michael addition. Journal of Materials Science, 2009, 44, 2688-2693.	1.7	16
36	NiO/Porous Reduced Graphene Oxide as Active Hybrid Electrocatalyst for Oxygen Evolution Reaction. Russian Journal of Electrochemistry, 2019, 55, 333-338.	0.3	16

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37	A porous reduced graphene oxide/chitosan-based nanocarrier as a delivery system of doxorubicin. <i>RSC Advances</i> , 2019, 9, 30729-30735.	1.7	16
38	Electrochemical sensor based on magnetite graphene oxide/ordered mesoporous carbon hybrid to detection of allopurinol in clinical samples. <i>Talanta</i> , 2020, 211, 120759.	2.9	16
39	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 1: Lysozyme aggregation at pH 2 and 7.4. <i>Electrochimica Acta</i> , 2017, 254, 375-383.	2.6	15
40	Fabrication of Nanocomposite Containing Naphthoquinone and Nanogold Supported on Poly(2,6-pyridinedicarboxylic acid) Film for Voltammetric Determination of N-Acetyl-L-cysteine. <i>Electroanalysis</i> , 2009, 21, 2674-2679.	1.5	14
41	Carbon paste electrode incorporating multi-walled carbon nanotube/ferrocene as a sensor for the electroanalytical determination of N-acetyl-L-cysteine in the presence of tryptophan. <i>Journal of Chemical Sciences</i> , 2013, 125, 283-289.	0.7	14
42	Sol-gel synthesis of palladium nanoparticles supported on reduced graphene oxide: an active electrocatalyst for hydrogen evolution reaction. <i>Bulletin of Materials Science</i> , 2015, 38, 887-893.	0.8	13
43	Green synthesis of silver nanoparticles by pepper extracts reduction and its electrocatalytic and antibacterial activity. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 960-965.	0.3	13
44	On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6557-6565.	2.9	13
45	Catechol as an electrochemical indicator for voltammetric determination of D-penicillamine in aqueous media at the surface of carbon paste electrode. <i>Russian Journal of Electrochemistry</i> , 2012, 48, 450-456.	0.3	12
46	Functionalization of Graphene Oxide with 3-Mercaptopropyltrimethoxysilane and Its Electrocatalytic Activity in Aqueous Medium. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 689-694.	0.8	12
47	Glassy carbon electrodes modified with gelatin functionalized reduced graphene oxide nanosheet for determination of gallic acid. <i>Bulletin of Materials Science</i> , 2015, 38, 1711-1716.	0.8	12
48	Cobalt oxide nanoparticle-modified carbon nanotubes as an electrocatalysts for electrocatalytic evolution of oxygen gas. <i>Bulletin of Materials Science</i> , 2015, 38, 135-140.	0.8	12
49	Electrochemical Sensor Based on Magnetic Fe ₃ O ₄ -Reduced Graphene Oxide Hybrid for Sensitive Detection of Binaphthol. <i>Russian Journal of Electrochemistry</i> , 2021, 57, 490-498.	0.3	12
50	Voltammetric determination of D-penicillamine based on its homogeneous electrocatalytic oxidation with potassium iodide at the surface of glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , 2010, 46, 1395-1401.	0.3	10
51	Direct electrochemistry and bioelectrocatalysis of a class II non-symbiotic plant haemoglobin immobilised on screen-printed carbon electrodes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1643-1649.	1.9	10
52	Tyrosine sensing on phthalic anhydride functionalized chitosan and carbon nanotube film coated glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 174-180.	0.3	10
53	Dopamine-functionalized cyclodextrins: modification of reduced graphene oxide based electrodes and sensing of folic acid in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5149-5157.	1.9	10
54	Nitrogen Doped Porous Reduced Graphene Oxide Hybrid as a Nanocarrier of Imatinib Anticancer Drug. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 1221-1228.	0.1	10

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55	Synthesis of graphene oxide nanosheet: A novel glucose sensor based on nickel-graphene oxide composite film. Russian Journal of Electrochemistry, 2014, 50, 1044-1049.	0.3	9
56	Synthesis and spectroscopic characterization of palladium-doped titanium dioxide catalyst. Bulletin of Materials Science, 2015, 38, 461-465.	0.8	9
57	Gel-assisted synthesis of anatase TiO ₂ nanoparticles and application for electrochemical determination of L-tryptophan. Russian Journal of Electrochemistry, 2014, 50, 947-952.	0.3	8
58	A sensor based on incorporating Ni ²⁺ into ZnO nanoparticles-multi wall carbon nanotubes-poly methyl metacrylat nanocomposite film modified carbon paste electrode for determination of carbohydrates. Russian Journal of Electrochemistry, 2014, 50, 967-973.	0.3	8
59	A sensitive voltammetric detection of pramipexole based on 1,1,3,3-tetramethyldisilazane carbon nanotube modified electrode. Materials Science and Engineering C, 2017, 75, 784-790.	3.8	8
60	Green Synthesis of Ag Nanoparticles by Callicarpa Maingayi: Characterization and Its Application with Graphene Oxide for Enzymeless Hydrogen Peroxide Detection. Journal of the Chinese Chemical Society, 2014, 61, 631-637.	0.8	7
61	Ni/ZSM-5 Zeolite Modified Carbon Paste Electrode as an Efficient Electrode for Electrocatalytic Oxidation of Formaldehyde. Journal of the Chinese Chemical Society, 2013, 60, 546-550.	0.8	4
62	Functionalization of Multi Carbon Nanotubes with 1,2-Naphthoquinone-4-sulfonic Acid Sodium: A Novel Sulphydryl Compounds Sensor Based on Functionalized Carbon Nanotube Film Using Michael Addition. Journal of the Chinese Chemical Society, 2013, 60, 1175-1180.	0.8	4
63	Ag-TiO ₂ nanocomposite-catalyzed one-pot synthesis of 1,2,4,5-tetrasubstituted imidazoles: a green and benign approach. Journal of the Iranian Chemical Society, 2021, 18, 2315-2321.	1.2	3
64	Gel-assisted synthesis of Ag nanoparticles: a novel hydrogen peroxide sensor based on Ag nanoparticles-carbon nanotube composite film. Russian Journal of Electrochemistry, 2014, 50, 1164-1169.	0.3	2
65	Determination of Propranolol at a Carbon Paste Electrode Modified with Magnetite-Graphene Oxide in Combination with Presence of Sodium Dodecyl Sulfate. Russian Journal of Electrochemistry, 2022, 58, 184-191.	0.3	2
66	Hybrid Interface Based on Carboxymethyl Cellulose/N-Doped Porous Reduced Graphene Oxide for On-Demand Electrochemical Release of Imatinib. Russian Journal of Electrochemistry, 2021, 57, 885-891.	0.3	0