Fereshteh Chekin

List of Publications by Year
in descending order

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66 papers	1,675 citations	257101 24 h-index	329751 37 g-index
66 all docs	66 docs citations	66 times ranked	2194 citing authors

#	Article	IF	Citations
1	Reduce Graphene Oxide/Fe3O4 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
2	Determination of Propranolol at a Carbon Paste Electrode Modified with Magnetiteâ€“Graphene Oxide in Combination with Presence of Sodium Dodecyl Sulfate. Russian Journal of Electrochemistry, 2022, 58, 184-191.	0.3	2
3	Agâ€“TiO2 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
4	Electrochemical Sensor Based on Magnetic Fe3O4â€“Reduced Graphene Oxide Hybrid for Sensitive Detection of Binaphthol. Russian Journal of Electrochemistry, 2021, 57, 490-498.	0.3	12
5	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
6	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
7	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
8	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
9	Nitrogen Doped Porous Reduced Graphene Oxide Hybrid as a Nanocarrier of Imatinib Anticancer Drug. Russian Journal of Applied Chemistry, 2020, 93, 1221-1228.	0.1	10
10	Antioxidant, Antibacterial and Anticancer Performance of Reduced Graphene Oxide Prepared via Green Tea Extract Assisted Biosynthesis. ChemistrySelect, 2020, 5, 10401-10406.	0.7	37
11	Green tea extract assisted green synthesis of reduced graphene oxide: Application for highly sensitive electrochemical detection of sunset yellow in food products. Food Chemistry: X, 2020, 6, 100085.	1.8	43
12	Electrochemical sensor based on magnetite graphene oxide/ordered mesoporous carbon hybrid to detection of allopurinol in clinical samples. Talanta, 2020, 211, 120759.	2.9	16
13	Dopamine-functionalized cyclodextrins: modification of reduced graphene oxide based electrodes and sensing of folic acid in human serum. Analytical and Bioanalytical Chemistry, 2019, 411, 5149-5157.	1.9	10
14	NiO/Porous Reduced Graphene Oxide as Active Hybrid Electrocatalyst for Oxygen Evolution Reaction. Russian Journal of Electrochemistry, 2019, 55, 333-338.	0.3	16
15	Graphene-modified electrodes for sensing doxorubicin hydrochloride in human plasma. Analytical and Bioanalytical Chemistry, 2019, 411, 1509-1516.	1.9	39
16	A porous reduced graphene oxide/chitosan-based nanocarrier as a delivery system of doxorubicin. RSC Advances, 2019, 9, 30729-30735.	1.7	16
17	Sensitive electrochemical detection of cardiac troponin I in serum and saliva by nitrogen-doped porous reduced graphene oxide electrode. Sensors and Actuators B: Chemical, 2018, 262, 180-187.	4.0	108
18	Nucleic aptamer modified porous reduced graphene oxide/MoS2 based electrodes for viral detection: Application to human papillomavirus (HPV). Sensors and Actuators B: Chemical, 2018, 262, 991-1000.	4.0	82

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19	Synthesis, characterization, and electrochemical properties of the modified graphene oxide with 4,4â€²-methylenedianiline. Materials Letters, 2018, 211, 323-327.	1.3	18
20	On demand electrochemical release of drugs from porous reduced graphene oxide modified flexible electrodes. Journal of Materials Chemistry B, 2017, 5, 6557-6565.	2.9	13
21	A sensitive voltammetric detection of pramipexole based on 1,1,3,3-tetramethyldisilazanecarbon nanotube modified electrode. Materials Science and Engineering C, 2017, 75, 784-790.	3.8	8
22	MoS2/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
23	Porous reduced graphene oxide modified electrodes for the analysis of protein aggregation. Part 1: Lysozyme aggregation at pH 2 and 7.4. Electrochimica Acta, 2017, 254, 375-383.	2.6	15
24	Tyrosine sensing on phthalic anhydride functionalized chitosan and carbon nanotube film coated glassy carbon electrode. Russian Journal of Electrochemistry, 2016, 52, 174-180.	0.3	10
25	Green synthesis and characterization of cobalt oxide nanoparticles and its electrocatalytic behavior. Russian Journal of Applied Chemistry, 2016, 89, 816-822.	0.1	31
26	Green synthesis of silver nanoparticles by pepper extracts reduction and its electocatalytic and antibacterial activity. Russian Journal of Electrochemistry, 2016, 52, 960-965.	0.3	13
27	Reduced Graphene Oxide Modified Electrodes for Sensitive Sensing of Gliadin in Food Samples. ACS Sensors, 2016, 1, 1462-1470.	4.0	57
28	MoS2/reduced graphene oxide as active hybrid material for the electrochemical detection of folic acid in human serum. Biosensors and Bioelectronics, 2016, 85, 807-813.	5.3	113
29	The ultrasound-assisted aqueous extraction of rice bran oil. Food Chemistry, 2016, 194, 503-507.	4.2	86
30	Functionalization of Graphene Oxide with 3â€Mercaptopropyltrimethoxysilane and Its Electrocatalytic Activity in Aqueous Medium. Journal of the Chinese Chemical Society, 2015, 62, 689-694.	0.8	12
31	Glassy carbon electrodes modified with gelatin functionalized reduced graphene oxide nanosheet for determination of gallic acid. Bulletin of Materials Science, 2015, 38, 1711-1716.	0.8	12
32	Cobalt oxide nanoparticle-modified carbon nanotubes as an electrocatalysts for electrocatalytic evolution of oxygen gas. Bulletin of Materials Science, 2015, 38, 135-140.	0.8	12
33	Synthesis and spectroscopic characterization of palladium-doped titanium dioxide catalyst. Bulletin of Materials Science, 2015, 38, 461-465.	0.8	9
34	Solâ€“gel synthesis of palladium nanoparticles supported on reduced graphene oxide: an active electrocatalyst for hydrogen evolution reaction. Bulletin of Materials Science, 2015, 38, 887-893.	0.8	13
35	Palladium-doped mesoporous silica SBA-15 modified in carbon-paste electrode as a sensitive voltammetric sensor for detection of oxalic acid. Sensors and Actuators B: Chemical, 2015, 207, 291-296.	4.0	35
36	Direct and mediated electrochemistry of peroxidase and its electrocatalysis on a variety of screen-printed carbon electrodes: amperometric hydrogen peroxide and phenols biosensor. Analytical and Bioanalytical Chemistry, 2015, 407, 439-446.	1.9	44

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37	Gel-assisted synthesis of anatase TiO2 nanoparticles and application for electrochemical determination of L-tryptophan. Russian Journal of Electrochemistry, 2014, 50, 947-952.	0.3	8
38	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
39	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
40	Cobalt Doped Titanium Dioxide Nanoparticles: Synthesis, Characterization and Electrocatalytic Study. Journal of the Chinese Chemical Society, 2014, 61, 702-706.	0.8	25
41	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
42	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
43	Nickel oxide nanoparticles prepared by gelatin and their application toward the oxygen evolution reaction. Journal of Solid State Electrochemistry, 2014, 18, 747-753.	1.2	42
44	A sensor based on incorporating Ni2+ 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
45	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
46	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. Journal of Chemical Sciences, 2013, 125, 283-289.	0.7	14
47	Synthesis of Tungsten Oxide Nanorods by the Controlling Precipitation Reaction: Application for Hydrogen Evolution Reaction on a WO₃ Nanorods/Carbon Nanotubes Composite Film Modified Electrode. Journal of the Chinese Chemical Society, 2013, 60, 447-451.	0.8	23
48	Synthesis of Pt doped TiO2 nanoparticles: Characterization and application for electrocatalytic oxidation of l-methionine. Sensors and Actuators B: Chemical, 2013, 177, 898-903.	4.0	64
49	Ni/ZSMâ€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
50	Synthesis of polyhydroquinoline derivatives via a four-component Hantzsch condensation catalyzed by tin dioxide nanoparticles. Chinese Journal of Catalysis, 2013, 34, 758-763.	6.9	46
51	Functionalization of Multi Carbon Nanotubes with 1,2â€Naphthoquinoneâ€4â€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
52	Preparation and characterization of Ni(II)/polyacrylonitrile and carbon nanotube composite modified electrode and application for carbohydrates electrocatalytic oxidation. Journal of Solid State Electrochemistry, 2012, 16, 3245-3251.	1.2	45
53	Synthesis and characterization of ordered mesoporous carbon as electrocatalyst for simultaneous determination of epinephrine and acetaminophen. Journal of Solid State Electrochemistry, 2012, 16, 3753-3760.	1.2	32
54	The porous chitosanâ€“sodium dodecyl sulfateâ€“carbon nanotube nanocomposite: direct electrochemistry and electrocatalysis of hemoglobin. Analytical Methods, 2012, 4, 2977.	1.3	20

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55	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
56	Fabrication of Chitosanâ€Multiwall Carbon Nanotube Nanocomposite Containing Ferri/Ferrocyanide: Application for Simultaneous Detection of Dâ€Penicillamine and Tryptophan. Journal of the Chinese Chemical Society, 2012, 59, 1461-1467.	0.8	30
57	Catechol as an electrochemical indicator for voltammetric determination of D-penicillamine in aqueous media at the surface of carbon paste electrode. Russian Journal of Electrochemistry, 2012, 48, 450-456.	0.3	12
58	Synthesis of ZSM-5 zeolite: Electrochemical behavior of carbon paste electrode modified with Ni (II)â€“zeolite and its application for electrocatalytic oxidation of methanol. International Journal of Hydrogen Energy, 2011, 36, 13295-13300.	3.8	67
59	Voltammetric determination of D-penicillamine based on its homogeneous electrocatalytic oxidation with potassium iodide at the surface of glassy carbon electrode. Russian Journal of Electrochemistry, 2010, 46, 1395-1401.	0.3	10
60	Direct electrochemistry and bioelectrocatalysis of a class II non-symbiotic plant haemoglobin immobilised on screen-printed carbon electrodes. Analytical and Bioanalytical Chemistry, 2010, 398, 1643-1649.	1.9	10
61	Catechol as an electrochemical indicator for voltammetric determination of N-acetyl-l-cysteine in aqueous media at the surface of carbon paste electrode. Journal of Applied Electrochemistry, 2010, 40, 1357-1363.	1.5	38
62	Fabrication of Nanocomposite Containing Naphthoquinone and Nanogold Supported on Poly(2,6â€pyridinedicarboxylic acid) Film for Voltammetric Determination of Nâ€Acetylâ€<scp>L</scp>â€Cysteine. Electroanalysis, 2009, 21, 2674-2679.	1.5	14
63	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
64	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
65	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
66	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