Nada Farouk Atta

List of Publications by Year
in descending order

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95 papers	3,147 citations	159358 30 h-index	189595 50 g-index
97 all docs	97 docs citations	97 times ranked	2750 citing authors

#	Article	IF	Citations
1	Neutrophil-like Cell-Membrane-Coated Nanozyme Therapy for Ischemic Brain Damage and Long-Term Neurological Functional Recovery. ACS Nano, 2021, 15, 2263-2280.	7.3	170
2	Simultaneous determination of catecholamines, uric acid and ascorbic acid at physiological levels using poly(N-methylpyrrole)/Pd-nanoclusters sensor. Analytical Biochemistry, 2010, 400, 78-88.	1.1	163
3	Palladium nanoclusters-coated polyfuran as a novel sensor for catecholamine neurotransmitters and paracetamol. Sensors and Actuators B: Chemical, 2009, 141, 566-574.	4.0	118
4	Novel poly(3-methylthiophene)/Pd, Pt nanoparticle sensor: Synthesis, characterization and its application to the simultaneous analysis of dopamine and ascorbic acid in biological fluids. Sensors and Actuators B: Chemical, 2010, 145, 299-310.	4.0	118
5	Poly(3,4-ethylene-dioxythiophene) electrode for the selective determination of dopamine in presence of sodium dodecyl sulfate. Bioelectrochemistry, 2011, 80, 132-141.	2.4	104
6	Poly(3-methylthiophene)/palladium sub-micro-modified sensor electrode. Part II: Voltammetric and EIS studies, and analysis of catecholamine neurotransmitters, ascorbic acid and acetaminophen. Talanta, 2009, 79, 639-647.	2.9	93
7	Effect of surfactants on the voltammetric response and determination of an antihypertensive drug. Talanta, 2007, 72, 1438-1445.	2.9	86
8	Ruthenium nanoparticles-modified reduced graphene prepared by a green method for high-performance supercapacitor application in neutral electrolyte. RSC Advances, 2017, 7, 11286-11296.	1.7	72
9	Simultaneous determination of paracetamol and neurotransmitters in biological fluids using a carbon paste sensor modified with gold nanoparticles. Journal of Materials Chemistry, 2011, 21, 13015.	6.7	69
10	A novel sensor of cysteine self-assembled monolayers over gold nanoparticles for the selective determination of epinephrine in presence of sodium dodecyl sulfate. Analyst, The, 2012, 137, 2658.	1.7	69
11	Electrochemistry of glucose at gold nanoparticles modified graphite/SrPdO3 electrode â€“ Towards a novel non-enzymatic glucose sensor. Journal of Electroanalytical Chemistry, 2015, 749, 42-52.	1.9	68
12	Gold nanoparticles-coated poly(3,4-ethylene-dioxythiophene) for the selective determination of sub-nano concentrations of dopamine in presence of sodium dodecyl sulfate. Electrochimica Acta, 2012, 69, 102-111.	2.6	65
13	Determination of morphine at gold nanoparticles/NafionÂ® carbon paste modified sensor electrode. Analyst, The, 2011, 136, 4682.	1.7	60
14	Carbon Paste Gold Nanoparticles Sensor for the Selective Determination of Dopamine in Buffered Solutions. Journal of the Electrochemical Society, 2010, 157, F116.	1.3	59
15	A new strategy for NADH sensing using ionic liquid crystals-carbon nanotubes/nano-magnetite composite platform. Sensors and Actuators B: Chemical, 2017, 251, 65-73.	4.0	55
16	Probing cysteine self-assembled monolayers over gold nanoparticles â€“ Towards selective electrochemical sensors. Talanta, 2012, 93, 264-273.	2.9	53
17	Determination of some neurotransmitters at cyclodextrin/ionic liquid crystal/graphene composite electrode. Electrochimica Acta, 2016, 199, 319-331.	2.6	50
18	Investigation of the catalytic activity of LaBO3 (B=Ni, Co, Fe or Mn) prepared by the microwave-assisted method for hydrogen evolution in acidic medium. Electrochimica Acta, 2011, 56, 5722-5730.	2.6	46

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19	Nano-perovskite carbon paste composite electrode for the simultaneous determination of dopamine, ascorbic acid and uric acid. Electrochimica Acta, 2014, 128, 16-24.	2.6	46
20	Simultaneous Determination of Catecholamines and Serotonin on Poly(3,4-ethylene dioxythiophene) Modified Pt Electrode in Presence of Sodium Dodecyl Sulfate. Journal of the Electrochemical Society, 2011, 158, F52.	1.3	45
21	Ultrasensitive determination of nalbuphine and tramadol narcotic analgesic drugs for postoperative pain relief using nano-cobalt oxide/ionic liquid crystal/carbon nanotubes-based electrochemical sensor. Journal of Electroanalytical Chemistry, 2019, 839, 48-58.	1.9	41
22	Effective and Facile Determination of Vitamin B6 in Human Serum with CuO Nanoparticles/Ionic Liquid Crystal Carbon Based Sensor. Journal of the Electrochemical Society, 2017, 164, B730-B738.	1.3	40
23	Novel Design of a Layered Electrochemical Dopamine Sensor in Real Samples Based on Gold Nanoparticles/Î²-Cyclodextrin/Nafion-Modified Gold Electrode. ACS Omega, 2019, 4, 17947-17955.	1.6	40
24	Enhancing the specific capacitance of SrRuO3 and reduced graphene oxide in NaNO3, H3PO4 and KOH electrolytes. Electrochimica Acta, 2018, 260, 738-747.	2.6	38
25	Layered-designed composite sensor based on crown ether/NafionÂ®/polymer/carbon nanotubes for determination of norepinephrine, paracetamol, tyrosine and ascorbic acid in biological fluids. Journal of Electroanalytical Chemistry, 2018, 828, 11-23.	1.9	37
26	Crown ether modified poly(hydroquinone)/carbon nanotubes based electrochemical sensor for simultaneous determination of levodopa, uric acid, tyrosine and ascorbic acid in biological fluids. Journal of Electroanalytical Chemistry, 2020, 863, 114032.	1.9	37
27	Monodispersed Gold Nanoparticles Decorated Carbon Nanotubes as an Enhanced Sensing Platform for Nanomolar Detection of Tramadol. Electroanalysis, 2012, 24, 2135-2146.	1.5	33
28	Nickel oxide nanoparticles/ionic liquid crystal modified carbon composite electrode for determination of neurotransmitters and paracetamol. New Journal of Chemistry, 2016, 40, 662-673.	1.4	32
29	Highly Conductive Crown Ether/Ionic Liquid Crystal-Carbon Nanotubes Composite Based Electrochemical Sensor for Chiral Recognition of Tyrosine Enantiomers. Journal of the Electrochemical Society, 2019, 166, B623-B630.	1.3	32
30	Lanthanum nickel oxide nano-perovskite decorated carbon nanotubes/poly(aniline) composite for effective electrochemical oxidation of urea. Journal of Electroanalytical Chemistry, 2020, 862, 114009.	1.9	32
31	New insight for simultaneous determination of hazardous di-hydroxybenzene isomers at crown ether modified polymer/carbon nanotubes composite sensor. Journal of Hazardous Materials, 2020, 388, 122038.	6.5	32
32	Rapid and simple electrochemical detection of morphine on grapheneâ€“palladium-hybrid-modified glassy carbon electrode. Analytical and Bioanalytical Chemistry, 2014, 406, 6933-6942.	1.9	31
33	Design strategy and preparation of a conductive layered electrochemical sensor for simultaneous determination of ascorbic acid, dobutamine, acetaminophen and amlodipine. Sensors and Actuators B: Chemical, 2019, 297, 126648.	4.0	31
34	Gold-doped nano-perovskite-decorated carbon nanotubes for electrochemical sensing of hazardous hydrazine with application in wastewater sample. Sensors and Actuators B: Chemical, 2021, 327, 128879.	4.0	31
35	Electrochemical Determination of Neurotransmitters Using Gold Nanoparticles on Nafion/Carbon Paste Modified Electrode. Journal of the Electrochemical Society, 2012, 159, H765-H771.	1.3	30
36	Conducting Polymer-Mixed Oxide Composite Electrocatalyst for Enhanced Urea Oxidation. Journal of the Electrochemical Society, 2018, 165, J3310-J3317.	1.3	30

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37	Gold Nanoparticles Decorated Graphene as a High Performance Sensor for Determination of Trace Hydrazine Levels in Water. Electroanalysis, 2018, 30, 1757-1766.	1.5	29
38	Electrochemical Sensor Based on Ionic Liquid Crystal Modified Carbon Paste Electrode in Presence of Surface Active Agents for Enoxacin Antibacterial Drug. Journal of the Electrochemical Society, 2015, 162, B9-B15.	1.3	28
39	Evidence of Core-Shell Formation between NdFeO₃Nano-Perovskite and Ionic Liquid Crystal and Its Application in Electrochemical Sensing of Metoclopramide. Journal of the Electrochemical Society, 2016, 163, B325-B334.	1.3	28
40	Electrochemical Determination of Neurotransmitters at Crown Ether Modified Carbon Nanotube Composite: Application for Subâ€nanoâ€sensing of Serotonin in Human Serum. Electroanalysis, 2019, 31, 1204-1214.	1.5	28
41	Novel sensor based on carbon paste/NafionÂ® modified with gold nanoparticles for the determination of glutathione. Analytical and Bioanalytical Chemistry, 2012, 404, 1661-1672.	1.9	27
42	Nano-magnetite/ionic liquid crystal modifiers of carbon nanotubes composite electrode for ultrasensitive determination of a new anti-hepatitis C drug in human serum. Journal of Electroanalytical Chemistry, 2018, 823, 296-306.	1.9	27
43	Electrodeposited Metals at Conducting Polymer Electrodes. II: Study of the Oxidation of Methanol at Poly(3-methylthiophene) Modified with Ptâ€“Pd Co-catalyst. Topics in Catalysis, 2008, 47, 73-83.	1.3	26
44	Smart electrochemical sensor for some neurotransmitters using imprinted solâ€“gel films. Talanta, 2009, 80, 511-518.	2.9	26
45	Electrocatalytic evolution of hydrogen on a novel SrPdO3 perovskite electrode. Journal of Power Sources, 2010, 195, 3806-3809.	4.0	26
46	The Electrochemistry and Determination of Some Neurotransmitters at SrPdO3Modified Graphite Electrode. Journal of the Electrochemical Society, 2013, 160, G3144-G3151.	1.3	26
47	The effect of A-site doping in a strontium palladium perovskite and its applications for non-enzymatic glucose sensing. RSC Advances, 2016, 6, 16183-16196.	1.7	26
48	Enhancement of Nanozyme Permeation by Endovascular Interventional Treatment to Prevent Vascular Restenosis via Macrophage Polarization Modulation. Advanced Functional Materials, 2020, 30, 2006581.	7.8	26
49	Improved hostâ€“guest electrochemical sensing of dopamine in the presence of ascorbic and uric acids in a Î²-cyclodextrin/NafionÂ®/polymer nanocomposite. Analytical Methods, 2014, 6, 5962-5971.	1.3	25
50	New strategy for determination of anti-viral drugs based on highly conductive layered composite of MnO2/graphene/ionic liquid crystal/carbon nanotubes. Journal of Electroanalytical Chemistry, 2019, 838, 107-118.	1.9	25
51	Computational investigation and synthesis of a solâ€“gel imprinted material for sensing application of some biologically active molecules. Analytica Chimica Acta, 2010, 667, 63-70.	2.6	24
52	Electrochemical Method for the Determination of Three New Anti-Hepatitis C Drugs: Application in Human Blood Serum. Journal of the Electrochemical Society, 2018, 165, B442-B451.	1.3	24
53	Synthesis, structural and morphological characterizations of nano-Ru-based perovskites/RGO composites. Scientific Reports, 2019, 9, 7948.	1.6	24
54	Electroanalysis of Benazepril Hydrochloride Antihypertensive Drug Using an Ionic Liquid Crystal Modified Carbon Paste Electrode. Electroanalysis, 2015, 27, 1282-1292.	1.5	23

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55	Voltammetry study of electrocatalytic activity of lanthanum nickel perovskite nanoclusters-based composite catalyst for effective oxidation of urea in alkaline medium. Synthetic Metals, 2020, 266, 116372.	2.1	23
56	Gold Nanoparticles Modified Electrode for the Determination of an Antihypertensive Drug. Electroanalysis, 2012, 24, 1431-1440.	1.5	22
57	Nano-perovskite decorated carbon nanotubes composite for ultrasensitive determination of a cardio-stimulator drug. Journal of Electroanalytical Chemistry, 2018, 816, 149-159.	1.9	22
58	Efficient electrochemical sensor for determination of H2O2 in human serum based on nano ironâ€'nickel alloy/carbon nanotubes/ionic liquid crystal composite. Journal of Electroanalytical Chemistry, 2021, 881, 114953.	1.9	22
59	Host Guest Inclusion Complex Modified Electrode for the Sensitive Determination of a Muscle Relaxant Drug. Journal of the Electrochemical Society, 2016, 163, B403-B409.	1.3	21
60	Hematite Nanoparticles/Ionic Liquid Crystal/Grapheneâ€"Based Nanocomposite Electrochemical Sensor for Sensitive Determination of Antipsychotic Drug. Journal of the Electrochemical Society, 2016, 163, B659-B666.	1.3	20
61	Fabrication of Î²â€Cyclodextrin/Glycine/Carbon Nanotubes Electrochemical Neurotransmitters Sensor â€" Application in Ultraâ€sensitive Determination of DOPAC in Human Serum. Electroanalysis, 2018, 30, 1678-1688.	1.5	20
62	Direct and Simple Electrochemical Determination of Morphine at PEDOT Modified Pt Electrode. Electroanalysis, 2011, 23, 737-746.	1.5	19
63	Graphene prepared by gamma irradiation for corrosion protection of stainless steel 316 in chloride containing electrolytes. RSC Advances, 2015, 5, 71627-71636.	1.7	19
64	Electrochemical Morphine Sensor Based on Gold Nanoparticles Metalphthalocyanine Modified Carbon Paste Electrode. Electroanalysis, 2015, 27, 415-428.	1.5	19
65	New Insight in Fabrication of a Sensitive Nano-Magnetite/Glutamine/Carbon Based Electrochemical Sensor for Determination of Aspirin and Omeprazole. Journal of the Electrochemical Society, 2019, 166, B161-B172.	1.3	18
66	Cobalt Oxide Nanoparticles/Graphene/Ionic Liquid CrystalModified Carbon Paste Electrochemical Sensor for Ultra-sensitiveDetermination of a Narcotic Drug. Advanced Pharmaceutical Bulletin, 2019, 9, 110-121.	0.6	18
67	Surface Modification of Carbon Paste Electrode with Nano-Structured Modifiers: Application for Sub-Nano-Sensing of Paracetamol. Journal of the Electrochemical Society, 2017, 164, B519-B527.	1.3	17
68	Electrochemistry and detection of dopamine at a poly(3,4-ethylenedioxythiophene) electrode modified with ferrocene and cobaltocene. Ionics, 2015, 21, 2371-2382.	1.2	16
69	Electrochemical Sensing Platform Based on Nanoâ€Perovskite/Glycine/Carbon Composite for Amlodipine and Ascorbic Acid Drugs. Electroanalysis, 2019, 31, 448-460.	1.5	16
70	Energy and cost-efficient nano-Ru-based perovskites/RGO composites for application in high performance supercapacitors. Journal of Colloid and Interface Science, 2019, 538, 578-586.	5.0	16
71	Electrodeposited nanostructured Ptâ€"Ru co-catalyst on graphene for the electrocatalytic oxidation of formaldehyde. Journal of Solid State Electrochemistry, 2013, 17, 1717-1727.	1.2	15
72	Electrochemistry and Detection of Dobutamine at Gold Nanoparticles Cobalt-Phthalocyanine Modified Carbon Paste Electrode. Journal of the Electrochemical Society, 2015, 162, B304-B311.	1.3	15

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73	Ionic Liquid Crystals Modifier for Selective Determination of Terazosin Antihypertensive Drug in Presence of Common Interference Compounds. Crystals, 2017, 7, 27.	1.0	15
74	Effect of Redox Electrolyte on the Specific Capacitance of SrRuO3â€“Reduced Graphene Oxide Nanocomposites. Journal of Physical Chemistry C, 2018, 122, 11641-11650.	1.5	15
75	An Innovative Design of an Efficient Layered Electrochemical Sensor for Determination of Tyrosine and Tryptophan in the Presence of Interfering Compounds in Biological Fluids. Journal of the Electrochemical Society, 2020, 167, 027505.	1.3	15
76	An Efficient and Durable Electrocatalyst for Hydrogen Production Based on Earth-Abundant Oxide-Graphene Composite. ChemistrySelect, 2017, 2, 10261-10270.	0.7	13
77	Effect of B-site doping on Sr2PdO3 perovskite catalyst activity for non-enzymatic determination of glucose in biological fluids. Journal of Electroanalytical Chemistry, 2019, 852, 113523.	1.9	13
78	Development of an Innovative Nitrite Sensing Platform Based on the Construction of an Electrochemical Composite Sensor of Polymer Coated CNTs and Decorated with Magnetite Nanoparticles. Electroanalysis, 2021, 33, 1510-1519.	1.5	13
79	Novel designed electrochemical sensor for simultaneous determination of linezolid and meropenem pneumonia drugs. Journal of Electroanalytical Chemistry, 2021, 902, 115814.	1.9	12
80	An innovative design of hydrazine hydrate electrochemical sensor based on decoration of crown ether/Nafion/carbon nanotubes composite with gold nanoparticles. Journal of Electroanalytical Chemistry, 2021, 888, 115165.	1.9	11
81	Electrochemistry and Characterization of Conducting Poly(3-methylthiophene) Electrodes Containing Ferrocene Moieties. Bulletin of the Chemical Society of Japan, 1997, 70, 1769-1776.	2.0	10
82	Electrochemistry and Determination of an Antiviral Drug at Ionic Liquids Crystals-Carbon Nanotubes Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2021, 168, 116512.	1.3	9
83	Electrochemical sensor based on incorporation of gold nanoparticles, ionic liquid crystal, and Î²-cyclodextrin into carbon paste composite for ultra-sensitive determination of norepinephrine in real samples. Canadian Journal of Chemistry, 2019, 97, 805-814.	0.6	8
84	Host guest inclusion complex/polymer-CNT composite for efficient determination of uric acid in presence of interfering species. Journal of Electroanalytical Chemistry, 2021, 882, 115012.	1.9	8
85	Efficient Electrochemical Sensor Based on Gold Nanoclusters/Carbon Ionic Liquid Crystal for Sensitive Determination of Neurotransmitters and Anti-Parkinson Drugs. Advanced Pharmaceutical Bulletin, 2020, 10, 46-55.	0.6	8
86	Designed electrochemical sensor based on metallocene modified conducting polymer composite for effective determination of tramadol in real samples. Canadian Journal of Chemistry, 2021, 99, 437-446.	0.6	6
87	Synthesis of neodymium-iron nanoperovskite for sensing applications of an antiallergic drug. Turkish Journal of Chemistry, 2017, 41, 476-492.	0.5	5
88	Novel method of one pot preparation of thiourea self-assembled monolayers over gold nanoparticles-carbon nanotubes composite for sensing application of phenolic compounds. Journal of Electroanalytical Chemistry, 2021, 902, 115795.	1.9	5
89	Electrochemical sensing of dobutamine, paracetamol, amlodipine, and daclatasvir in serum based on thiourea SAMs over nano-gold particlesâ€“CNTs composite. New Journal of Chemistry, 2022, 46, 12265-12277.	1.4	5
90	Iron-based perovskites-reduced graphene oxide as possible cathode materials for rechargeable iron-ion battery. Journal of Alloys and Compounds, 2021, 870, 159383.	2.8	4

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91	Voltammetric Study of the Electrocatalytic Oxidation of Formaldehyde on Ptâ''Pd Coâ€catalyst Supported on Reduced Graphene Oxide Â¶. Electroanalysis, 2020, 32, 2733-2744.	1.5	3
92	Ionic liquid crystals/nano-nickel oxide-decorated carbon nanotubes composite for electrocatalytic treatment of urea-contaminated water. Journal of Water Process Engineering, 2022, 48, 102823.	2.6	3
93	Comparative Study of Metallocene Modified Gold Nanoparticles Polymer Electrodes for Effective Determination of Dopamine. Electroanalysis, 2020, 32, 2860-2869.	1.5	2
94	Sensors Based on Organic Conducting-Polymer Electrodes. ACS Symposium Series, 1998, , 210-230.	0.5	1
95	Use of ionic liquids in electrochemical sensors. , 2022, , 343-368.		1