

Nada Farouk Atta

List of Publications by Year in descending order

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95
papers

3,147
citations

147801

31
h-index

189892

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. <i>ACS Nano</i> , 2021, 15, 2263-2280.	14.6	170
2	Simultaneous determination of catecholamines, uric acid and ascorbic acid at physiological levels using poly(N-methylpyrrole)/Pd-nanoclusters sensor. <i>Analytical Biochemistry</i> , 2010, 400, 78-88.	2.4	163
3	Palladium nanoclusters-coated polyfuran as a novel sensor for catecholamine neurotransmitters and paracetamol. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 566-574.	7.8	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. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 299-310.	7.8	118
5	Poly(3,4-ethylene-dioxythiophene) electrode for the selective determination of dopamine in presence of sodium dodecyl sulfate. <i>Bioelectrochemistry</i> , 2011, 80, 132-141.	4.6	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. <i>Talanta</i> , 2009, 79, 639-647.	5.5	93
7	Effect of surfactants on the voltammetric response and determination of an antihypertensive drug. <i>Talanta</i> , 2007, 72, 1438-1445.	5.5	86
8	Ruthenium nanoparticles-modified reduced graphene prepared by a green method for high-performance supercapacitor application in neutral electrolyte. <i>RSC Advances</i> , 2017, 7, 11286-11296.	3.6	72
9	Simultaneous determination of paracetamol and neurotransmitters in biological fluids using a carbon paste sensor modified with gold nanoparticles. <i>Journal of Materials Chemistry</i> , 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. <i>Analyst</i> , The, 2012, 137, 2658.	3.5	69
11	Electrochemistry of glucose at gold nanoparticles modified graphite/SrPdO ₃ electrode – Towards a novel non-enzymatic glucose sensor. <i>Journal of Electroanalytical Chemistry</i> , 2015, 749, 42-52.	3.8	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. <i>Electrochimica Acta</i> , 2012, 69, 102-111.	5.2	65
13	Determination of morphine at gold nanoparticles/Nafion® carbon paste modified sensor electrode. <i>Analyst</i> , The, 2011, 136, 4682.	3.5	60
14	Carbon Paste Gold Nanoparticles Sensor for the Selective Determination of Dopamine in Buffered Solutions. <i>Journal of the Electrochemical Society</i> , 2010, 157, F116.	2.9	59
15	A new strategy for NADH sensing using ionic liquid crystals-carbon nanotubes/nano-magnetite composite platform. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 65-73.	7.8	55
16	Probing cysteine self-assembled monolayers over gold nanoparticles – Towards selective electrochemical sensors. <i>Talanta</i> , 2012, 93, 264-273.	5.5	53
17	Determination of some neurotransmitters at cyclodextrin/ionic liquid crystal/graphene composite electrode. <i>Electrochimica Acta</i> , 2016, 199, 319-331.	5.2	50
18	Investigation of the catalytic activity of LaBO ₃ (B=Ni, Co, Fe or Mn) prepared by the microwave-assisted method for hydrogen evolution in acidic medium. <i>Electrochimica Acta</i> , 2011, 56, 5722-5730.	5.2	46

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19	Nano-perovskite carbon paste composite electrode for the simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Electrochimica Acta</i> , 2014, 128, 16-24.	5.2	46
20	Simultaneous Determination of Catecholamines and Serotonin on Poly(3,4-ethylene dioxythiophene) Modified Pt Electrode in Presence of Sodium Dodecyl Sulfate. <i>Journal of the Electrochemical Society</i> , 2011, 158, F52.	2.9	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. <i>Journal of Electroanalytical Chemistry</i> , 2019, 839, 48-58.	3.8	41
22	Effective and Facile Determination of Vitamin B6 in Human Serum with CuO Nanoparticles/Ionic Liquid Crystal Carbon Based Sensor. <i>Journal of the Electrochemical Society</i> , 2017, 164, B730-B738.	2.9	40
23	Novel Design of a Layered Electrochemical Dopamine Sensor in Real Samples Based on Gold Nanoparticles/ β -Cyclodextrin/Nafion-Modified Gold Electrode. <i>ACS Omega</i> , 2019, 4, 17947-17955.	3.5	40
24	Enhancing the specific capacitance of SrRuO ₃ and reduced graphene oxide in NaNO ₃ , H ₃ PO ₄ and KOH electrolytes. <i>Electrochimica Acta</i> , 2018, 260, 738-747.	5.2	38
25	Layered-designed composite sensor based on crown ether/Nafion [®] /polymer/carbon nanotubes for determination of norepinephrine, paracetamol, tyrosine and ascorbic acid in biological fluids. <i>Journal of Electroanalytical Chemistry</i> , 2018, 828, 11-23.	3.8	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. <i>Journal of Electroanalytical Chemistry</i> , 2020, 863, 114032.	3.8	37
27	Monodispersed Gold Nanoparticles Decorated Carbon Nanotubes as an Enhanced Sensing Platform for Nanomolar Detection of Tramadol. <i>Electroanalysis</i> , 2012, 24, 2135-2146.	2.9	33
28	Nickel oxide nanoparticles/ionic liquid crystal modified carbon composite electrode for determination of neurotransmitters and paracetamol. <i>New Journal of Chemistry</i> , 2016, 40, 662-673.	2.8	32
29	Highly Conductive Crown Ether/Ionic Liquid Crystal-Carbon Nanotubes Composite Based Electrochemical Sensor for Chiral Recognition of Tyrosine Enantiomers. <i>Journal of the Electrochemical Society</i> , 2019, 166, B623-B630.	2.9	32
30	Lanthanum nickel oxide nano-perovskite decorated carbon nanotubes/poly(aniline) composite for effective electrochemical oxidation of urea. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114009.	3.8	32
31	New insight for simultaneous determination of hazardous di-hydroxybenzene isomers at crown ether modified polymer/carbon nanotubes composite sensor. <i>Journal of Hazardous Materials</i> , 2020, 388, 122038.	12.4	32
32	Rapid and simple electrochemical detection of morphine on graphene-palladium-hybrid-modified glassy carbon electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6933-6942.	3.7	31
33	Design strategy and preparation of a conductive layered electrochemical sensor for simultaneous determination of ascorbic acid, dobutamine, acetaminophen and amlodipine. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126648.	7.8	31
34	Gold-doped nano-perovskite-decorated carbon nanotubes for electrochemical sensing of hazardous hydrazine with application in wastewater sample. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128879.	7.8	31
35	Electrochemical Determination of Neurotransmitters Using Gold Nanoparticles on Nafion/Carbon Paste Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2012, 159, H765-H771.	2.9	30
36	Conducting Polymer-Mixed Oxide Composite Electrocatalyst for Enhanced Urea Oxidation. <i>Journal of the Electrochemical Society</i> , 2018, 165, J3310-J3317.	2.9	30

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37	Gold Nanoparticles Decorated Graphene as a High Performance Sensor for Determination of Trace Hydrazine Levels in Water. <i>Electroanalysis</i> , 2018, 30, 1757-1766.	2.9	29
38	Electrochemical Sensor Based on Ionic Liquid Crystal Modified Carbon Paste Electrode in Presence of Surface Active Agents for Enoxacin Antibacterial Drug. <i>Journal of the Electrochemical Society</i> , 2015, 162, B9-B15.	2.9	28
39	Evidence of Core-Shell Formation between NdFeO_3 Nano-Perovskite and Ionic Liquid Crystal and Its Application in Electrochemical Sensing of Metoclopramide. <i>Journal of the Electrochemical Society</i> , 2016, 163, B325-B334.	2.9	28
40	Electrochemical Determination of Neurotransmitters at Crown Ether Modified Carbon Nanotube Composite: Application for Sub-nano sensing of Serotonin in Human Serum. <i>Electroanalysis</i> , 2019, 31, 1204-1214.	2.9	28
41	Novel sensor based on carbon paste/Nafion [®] modified with gold nanoparticles for the determination of glutathione. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1661-1672.	3.7	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. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 296-306.	3.8	27
43	Electrodeposited Metals at Conducting Polymer Electrodes. II: Study of the Oxidation of Methanol at Poly(3-methylthiophene) Modified with Pt-Pd Co-catalyst. <i>Topics in Catalysis</i> , 2008, 47, 73-83.	2.8	26
44	Smart electrochemical sensor for some neurotransmitters using imprinted sol-gel films. <i>Talanta</i> , 2009, 80, 511-518.	5.5	26
45	Electrocatalytic evolution of hydrogen on a novel SrPdO_3 perovskite electrode. <i>Journal of Power Sources</i> , 2010, 195, 3806-3809.	7.8	26
46	The Electrochemistry and Determination of Some Neurotransmitters at SrPdO_3 Modified Graphite Electrode. <i>Journal of the Electrochemical Society</i> , 2013, 160, C3144-C3151.	2.9	26
47	The effect of A-site doping in a strontium palladium perovskite and its applications for non-enzymatic glucose sensing. <i>RSC Advances</i> , 2016, 6, 16183-16196.	3.6	26
48	Enhancement of Nanozyme Permeation by Endovascular Interventional Treatment to Prevent Vascular Restenosis via Macrophage Polarization Modulation. <i>Advanced Functional Materials</i> , 2020, 30, 2006581.	14.9	26
49	Improved host-guest electrochemical sensing of dopamine in the presence of ascorbic and uric acids in a β -cyclodextrin/Nafion [®] /polymer nanocomposite. <i>Analytical Methods</i> , 2014, 6, 5962-5971.	2.7	25
50	New strategy for determination of anti-viral drugs based on highly conductive layered composite of MnO_2 /graphene/ionic liquid crystal/carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2019, 838, 107-118.	3.8	25
51	Computational investigation and synthesis of a sol-gel imprinted material for sensing application of some biologically active molecules. <i>Analytica Chimica Acta</i> , 2010, 667, 63-70.	5.4	24
52	Electrochemical Method for the Determination of Three New Anti-Hepatitis C Drugs: Application in Human Blood Serum. <i>Journal of the Electrochemical Society</i> , 2018, 165, B442-B451.	2.9	24
53	Synthesis, structural and morphological characterizations of nano-Ru-based perovskites/RGO composites. <i>Scientific Reports</i> , 2019, 9, 7948.	3.3	24
54	Electroanalysis of Benazepril Hydrochloride Antihypertensive Drug Using an Ionic Liquid Crystal Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2015, 27, 1282-1292.	2.9	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. <i>Synthetic Metals</i> , 2020, 266, 116372.	3.9	23
56	Gold Nanoparticles Modified Electrode for the Determination of an Antihypertensive Drug. <i>Electroanalysis</i> , 2012, 24, 1431-1440.	2.9	22
57	Nano-perovskite decorated carbon nanotubes composite for ultrasensitive determination of a cardio-stimulator drug. <i>Journal of Electroanalytical Chemistry</i> , 2018, 816, 149-159.	3.8	22
58	Efficient electrochemical sensor for determination of H ₂ O ₂ in human serum based on nano iron-nickel alloy/carbon nanotubes/ionic liquid crystal composite. <i>Journal of Electroanalytical Chemistry</i> , 2021, 881, 114953.	3.8	22
59	Host Guest Inclusion Complex Modified Electrode for the Sensitive Determination of a Muscle Relaxant Drug. <i>Journal of the Electrochemical Society</i> , 2016, 163, B403-B409.	2.9	21
60	Hematite Nanoparticles/Ionic Liquid Crystal/Graphene-Based Nanocomposite Electrochemical Sensor for Sensitive Determination of Antipsychotic Drug. <i>Journal of the Electrochemical Society</i> , 2016, 163, B659-B666.	2.9	20
61	Fabrication of β -Cyclodextrin/Glycine/Carbon Nanotubes Electrochemical Neurotransmitters Sensor Application in Ultra-sensitive Determination of DOPAC in Human Serum. <i>Electroanalysis</i> , 2018, 30, 1678-1688.	2.9	20
62	Direct and Simple Electrochemical Determination of Morphine at PEDOT Modified Pt Electrode. <i>Electroanalysis</i> , 2011, 23, 737-746.	2.9	19
63	Graphene prepared by gamma irradiation for corrosion protection of stainless steel 316 in chloride containing electrolytes. <i>RSC Advances</i> , 2015, 5, 71627-71636.	3.6	19
64	Electrochemical Morphine Sensor Based on Gold Nanoparticles Metalphthalocyanine Modified Carbon Paste Electrode. <i>Electroanalysis</i> , 2015, 27, 415-428.	2.9	19
65	New Insight in Fabrication of a Sensitive Nano-Magnetite/Glutamine/Carbon Based Electrochemical Sensor for Determination of Aspirin and Omeprazole. <i>Journal of the Electrochemical Society</i> , 2019, 166, B161-B172.	2.9	18
66	Cobalt Oxide Nanoparticles/Graphene/Ionic Liquid Crystal Modified Carbon Paste Electrochemical Sensor for Ultra-sensitive Determination of a Narcotic Drug. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 110-121.	1.4	18
67	Surface Modification of Carbon Paste Electrode with Nano-Structured Modifiers: Application for Sub-Nano-Sensing of Paracetamol. <i>Journal of the Electrochemical Society</i> , 2017, 164, B519-B527.	2.9	17
68	Electrochemistry and detection of dopamine at a poly(3,4-ethylenedioxythiophene) electrode modified with ferrocene and cobaltocene. <i>Ionics</i> , 2015, 21, 2371-2382.	2.4	16
69	Electrochemical Sensing Platform Based on Nano-Perovskite/Glycine/Carbon Composite for Amlodipine and Ascorbic Acid Drugs. <i>Electroanalysis</i> , 2019, 31, 448-460.	2.9	16
70	Energy and cost-efficient nano-Ru-based perovskites/RGO composites for application in high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 578-586.	9.4	16
71	Electrodeposited nanostructured Pt-Ru co-catalyst on graphene for the electrocatalytic oxidation of formaldehyde. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1717-1727.	2.5	15
72	Electrochemistry and Detection of Dobutamine at Gold Nanoparticles Cobalt-Phthalocyanine Modified Carbon Paste Electrode. <i>Journal of the Electrochemical Society</i> , 2015, 162, B304-B311.	2.9	15

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73	Ionic Liquid Crystals Modifier for Selective Determination of Terazosin Antihypertensive Drug in Presence of Common Interference Compounds. <i>Crystals</i> , 2017, 7, 27.	2.2	15
74	Effect of Redox Electrolyte on the Specific Capacitance of SrRuO ₃ â€“Reduced Graphene Oxide Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11641-11650.	3.1	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. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027505.	2.9	15
76	An Efficient and Durable Electrocatalyst for Hydrogen Production Based on Earth-Abundant Oxide-Graphene Composite. <i>ChemistrySelect</i> , 2017, 2, 10261-10270.	1.5	13
77	Effect of B-site doping on Sr ₂ PdO ₃ perovskite catalyst activity for non-enzymatic determination of glucose in biological fluids. <i>Journal of Electroanalytical Chemistry</i> , 2019, 852, 113523.	3.8	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. <i>Electroanalysis</i> , 2021, 33, 1510-1519.	2.9	13
79	Novel designed electrochemical sensor for simultaneous determination of linezolid and meropenem pneumonia drugs. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115814.	3.8	12
80	An innovative design of hydrazine hydrate electrochemical sensor based on decoration of crown ether/Nafion/carbon nanotubes composite with gold nanoparticles. <i>Journal of Electroanalytical Chemistry</i> , 2021, 888, 115165.	3.8	11
81	Electrochemistry and Characterization of Conducting Poly(3-methylthiophene) Electrodes Containing Ferrocene Moieties. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 1769-1776.	3.2	10
82	Electrochemistry and Determination of an Antiviral Drug at Ionic Liquids Crystals-Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2021, 168, 116512.	2.9	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. <i>Canadian Journal of Chemistry</i> , 2019, 97, 805-814.	1.1	8
84	Host guest inclusion complex/polymer-CNT composite for efficient determination of uric acid in presence of interfering species. <i>Journal of Electroanalytical Chemistry</i> , 2021, 882, 115012.	3.8	8
85	Efficient Electrochemical Sensor Based on Gold Nanoclusters/Carbon Ionic Liquid Crystal for Sensitive Determination of Neurotransmitters and Anti-Parkinson Drugs. <i>Advanced Pharmaceutical Bulletin</i> , 2020, 10, 46-55.	1.4	8
86	Designed electrochemical sensor based on metallocene modified conducting polymer composite for effective determination of tramadol in real samples. <i>Canadian Journal of Chemistry</i> , 2021, 99, 437-446.	1.1	6
87	Synthesis of neodymium-iron nanoperovskite for sensing applications of an antiallergic drug. <i>Turkish Journal of Chemistry</i> , 2017, 41, 476-492.	1.2	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. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115795.	3.8	5
89	Electrochemical sensing of dobutamine, paracetamol, amlodipine, and daclatasvir in serum based on thiourea SAMs over nano-gold particlesâ€“CNTs composite. <i>New Journal of Chemistry</i> , 2022, 46, 12265-12277.	2.8	5
90	Iron-based perovskites-reduced graphene oxide as possible cathode materials for rechargeable iron-ion battery. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159383.	5.5	4

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91	Voltammetric Study of the Electrocatalytic Oxidation of Formaldehyde on Pt ²⁺ /Pd Co-catalyst Supported on Reduced Graphene Oxide. <i>Electroanalysis</i> , 2020, 32, 2733-2744.	2.9	3
92	Ionic liquid crystals/nano-nickel oxide-decorated carbon nanotubes composite for electrocatalytic treatment of urea-contaminated water. <i>Journal of Water Process Engineering</i> , 2022, 48, 102823.	5.6	3
93	Comparative Study of Metallocene Modified Gold Nanoparticles Polymer Electrodes for Effective Determination of Dopamine. <i>Electroanalysis</i> , 2020, 32, 2860-2869.	2.9	2
94	Sensors Based on Organic Conducting-Polymer Electrodes. <i>ACS Symposium Series</i> , 1998, , 210-230.	0.5	1
95	Use of ionic liquids in electrochemical sensors. , 2022, , 343-368.		1