

YÃ¼cel AahÄ°n

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1720348/publications.pdf>

Version: 2024-02-01

125
papers

5,429
citations

81889

39
h-index

98792

67
g-index

127
all docs

127
docs citations

127
times ranked

4453
citing authors

#	ARTICLE	IF	CITATIONS
19	A novel copper(II) phthalocyanine-modified multiwalled carbon nanotube-based electrode for sensitive electrochemical detection of bisphenol A. <i>New Journal of Chemistry</i> , 2019, 43, 85-92.	2.8	69
20	A novel approach for the determination of paracetamol based on the reduction of N-acetyl-p-benzoquinoneimine formed on the electrochemically treated pencil graphite electrode. <i>Analytica Chimica Acta</i> , 2011, 685, 9-14.	5.4	67
21	Removal of protham from water by using electro-Fenton technology: Kinetics and mechanism. <i>Chemosphere</i> , 2008, 73, 737-744.	8.2	58
22	One-step synthesized N-doped graphene-based electrode materials for supercapacitor applications. <i>Ionics</i> , 2021, 27, 2241-2256.	2.4	58
23	Electrochemical fabrication and supercapacitor performances of metallo phthalocyanine/functionalized-multiwalled carbon nanotube/polyaniline modified hybrid electrode materials. <i>Journal of Energy Storage</i> , 2021, 33, 102049.	8.1	56
24	Voltammetric and electrochemical impedimetric behavior of silica-based gel electrolyte for valve-regulated lead-acid battery. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2469-2479.	2.5	54
25	Preparation of Sulphur-Doped Graphene-Based Electrodes by Cyclic Voltammetry: A Potential Application for Vanadium Redox Flow Battery. <i>International Journal of Electrochemical Science</i> , 2018, 13, 875-885.	1.3	54
26	Electrochemically controlled solid-phase microextraction (EC-SPME) based on overoxidized sulfonated polypyrrole. <i>Talanta</i> , 2005, 67, 245-251.	5.5	53
27	A two-dimensional material for high capacity supercapacitors: S-doped graphene. <i>International Journal of Energy Research</i> , 2020, 44, 1624-1635.	4.5	53
28	Electrochemical synthesis and anti-corrosive properties of polyaniline, poly(2-anisidine), and poly(aniline-co-2-anisidine) films on stainless steel. <i>Progress in Organic Coatings</i> , 2005, 54, 63-72.	3.9	52
29	Preparation of sulfonated overoxidized polypyrrole film applicable as an SPME tool for cationic analytes. <i>Journal of Electroanalytical Chemistry</i> , 2004, 570, 6-12.	3.8	51
30	Anti-corrosive properties of polyaniline, poly(2-toluidine), and poly(aniline-co-2-toluidine) coatings on stainless steel. <i>Current Applied Physics</i> , 2007, 7, 597-604.	2.4	51
31	Selective and Sensitive Voltammetric Determination of Dopamine in Blood by Electrochemically Treated Pencil Graphite Electrodes. <i>Electroanalysis</i> , 2009, 21, 2363-2370.	2.9	49
32	Electrodeposition of polyaniline, poly(2-iodoaniline), and poly(aniline-co-2-iodoaniline) on steel surfaces and corrosion protection of steel. <i>Applied Surface Science</i> , 2005, 252, 1233-1244.	6.1	46
33	Complete removal of the insecticide azinphos-methyl from water by the electro-Fenton method – A kinetic and mechanistic study. <i>Water Research</i> , 2013, 47, 1470-1479.	11.3	46
34	One-step electrochemical preparation of ternary phthalocyanine/acid-activated multiwalled carbon nanotube/polypyrrole-based electrodes and their supercapacitor applications. <i>International Journal of Energy Research</i> , 2020, 44, 9093-9111.	4.5	45
35	Preparation of N-doped graphene-based electrode via electrochemical method and its application in vanadium redox flow battery. <i>International Journal of Energy Research</i> , 2018, 42, 3851-3860.	4.5	44
36	Synthesis and non-linear optical properties of mono-pyrrolotetrathiafulvalene derived donor-acceptor dyads. <i>Journal of Materials Chemistry</i> , 2004, 14, 179-184.	6.7	43

#	ARTICLE	IF	CITATIONS
37	Novel chlorine doped graphene electrodes for positive electrodes of a vanadium redox flow battery. <i>International Journal of Energy Research</i> , 2018, 42, 3303-3314.	4.5	42
38	Electrochemical Determination of Tartrazine Using a Graphene/Poly(L-Phenylalanine) Modified Pencil Graphite Electrode. <i>Analytical Letters</i> , 2020, 53, 1683-1703.	1.8	42
39	Copper(i/ii) complexes of a bis(tetrathiafulvalene)-2,2- π^2 -bipyridine: synthesis, characterization, magnetic and electrochemical properties. <i>Dalton Transactions</i> , 2006, , 1331-1337.	3.3	41
40	Electrochemical Oxidation of dsDNA on Polypyrrole Nanofiber Modified Pencil Graphite Electrode. <i>Electroanalysis</i> , 2007, 19, 2208-2216.	2.9	41
41	Electrochemical polymerization of fluoro- and chloro-substituted anilines and copolymers with aniline. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2302-2312.	2.6	40
42	Voltammetric determination of nitrite with gold nanoparticles/poly(methylene blue)-modified pencil graphite electrode: application in food and water samples. <i>Ionics</i> , 2018, 24, 3187-3197.	2.4	40
43	Ion chromatography-potentiometric detection of inorganic anions and cations using polypyrrole and overoxidized polypyrrole electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 5-14.	7.8	39
44	Electropolymerization and in situ sulfonation of aniline in water/acetonitrile mixture containing FSO ₃ H. <i>Synthetic Metals</i> , 2002, 131, 7-14.	3.9	37
45	Cyclic voltammetric preparation of graphene-coated electrodes for positive electrode materials of vanadium redox flow battery. <i>Ionics</i> , 2018, 24, 3641-3654.	2.4	37
46	Electrochemical synthesis of self-doped polyaniline in fluorosulfonic acid/acetonitrile solution. <i>Synthetic Metals</i> , 2002, 129, 107-115.	3.9	36
47	Electrochemical investigation of the effects of V(V) and sulfuric acid concentrations on positive electrolyte for vanadium redox flow battery. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9868-9875.	7.1	36
48	Corrosion inhibition of stainless steel by polyaniline, poly(2-chloroaniline), and poly(aniline-co-2-chloroaniline) in HCl. <i>Progress in Organic Coatings</i> , 2006, 57, 149-158.	3.9	35
49	Electrochemically Treated Pencil Graphite Electrodes Prepared in One Step for the Electrochemical Determination of Paracetamol. <i>Russian Journal of Electrochemistry</i> , 2018, 54, 796-808.	0.9	34
50	Preparation of N-doped graphene powders by cyclic voltammetry and a potential application of them: Anode materials of Li-ion batteries. <i>International Journal of Energy Research</i> , 2019, 43, 5346-5354.	4.5	34
51	In situ electrochemical solid-phase extraction of anions and cations using polypyrrole and overoxidized sulfonated polypyrrole. <i>Talanta</i> , 2008, 75, 369-375.	5.5	33
52	Electro-Fenton treatment of aqueous Clopyralid solutions. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 478-486.	3.3	33
53	Preparation of a novel electrochemical sensor for phosphate detection based on a molybdenum blue modified poly(vinyl chloride) coated pencil graphite electrode. <i>Analytical Methods</i> , 2019, 11, 3874-3881.	2.7	33
54	A novel vanadium/cobalt redox couple in aqueous acidic solution for redox flow batteries. <i>International Journal of Energy Research</i> , 2020, 44, 411-424.	4.5	33

#	ARTICLE	IF	CITATIONS
55	Fabrication of high-performance symmetrical coin cell supercapacitors by using one step and green synthesis sulfur doped graphene powders. <i>New Journal of Chemistry</i> , 2021, 45, 6928-6939.	2.8	33
56	A spectroelectrochemical study on single-oscillator model and optical constants of sulfonated polyaniline film. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 621-627.	3.9	32
57	A novel polysiloxane-based polymer as a gel agent for gel VRLA batteries. <i>Ionics</i> , 2017, 23, 2077-2089.	2.4	32
58	Direct, one-step synthesis of molybdenum blue using an electrochemical method, and characterization studies. <i>Synthetic Metals</i> , 2017, 233, 111-118.	3.9	32
59	Electropolymerization of m-aminophenol on mild steel and its corrosion protection effect. <i>Progress in Organic Coatings</i> , 2007, 60, 153-160.	3.9	30
60	Fabrication of Tetra-Substituted Copper(II) Phthalocyanine-Graphene Modified Pencil Graphite Electrode for Amperometric Detection of Hydrogen Peroxide. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 061003.	1.8	30
61	N-Doped Graphene Oxide as Additive for Fumed Silica Based Gel Electrolyte of Valve Regulated Lead Acid Batteries. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060512.	2.9	30
62	Highly Sensitive Electrochemical Determination of Dopamine with an Overoxidized Polypyrrole Nanofiber Pencil Graphite Electrode. <i>International Journal of Electrochemical Science</i> , 2017, 12, 6428-6444.	1.3	29
63	Electrochemical Determination of Sunset Yellow Using an Electrochemically Prepared Graphene Oxide Modified Pencil Graphite Electrode (EGO-PGE). <i>Analytical Letters</i> , 2021, 54, 394-416.	1.8	29
64	Anti-precipitation effects of TiO ₂ and TiOSO ₄ on positive electrolyte of vanadium redox battery. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25608-25618.	7.1	28
65	Poly(L-Cysteine) Modified Pencil Graphite Electrode for Determination of Sunset Yellow in Food and Beverage Samples by Differential Pulse Voltammetry. <i>International Journal of Electrochemical Science</i> , 2018, 13, 159-174.	1.3	28
66	Electrochemical synthesis of sulfonated polypyrrole in FSO ₃ H/acetone nitrile solution. <i>Journal of Applied Polymer Science</i> , 2004, 93, 526-533.	2.6	27
67	Removal of calcium and magnesium using polyaniline and derivatives modified PVDF cation-exchange membranes by Donnan dialysis. <i>Reactive and Functional Polymers</i> , 2009, 69, 673-680.	4.1	27
68	A novel green and one-step electrochemical method for production of sulfur-doped graphene powders and their performance as an anode in Li-ion battery. <i>Ionics</i> , 2020, 26, 4909-4919.	2.4	27
69	Preparation of anatase form of TiO ₂ thin film at room temperature by electrochemical method as an alternative electron transport layer for inverted type organic solar cells. <i>Thin Solid Films</i> , 2020, 706, 138093.	1.8	27
70	Electrochemical preparation of soluble sulfonated polymers and aniline copolymers of aniline sulfonic acids in dimethylsulfoxide. <i>Journal of Applied Polymer Science</i> , 2003, 90, 2163-2169.	2.6	26
71	Effect of γ - and β -alumina on the precipitation of positive electrolyte in vanadium redox battery. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25598-25607.	7.1	26
72	A novel electrolyte additive for gel type valve regulated lead acid batteries: Sulfur doped graphene oxide. <i>International Journal of Energy Research</i> , 2021, 45, 21390-21402.	4.5	26

#	ARTICLE	IF	CITATIONS
73	An ultrahigh-energy density and wide potential window aqueous electrolyte supercapacitor built by polypyrrole/aniline 2-sulfonic acid modified carbon felt electrode. <i>International Journal of Energy Research</i> , 2022, 46, 8042-8060.	4.5	26
74	Electrochemical synthesis of poly(2-iodoaniline) and poly(aniline-co-2-iodoaniline) in acetonitrile. <i>Journal of Applied Polymer Science</i> , 2003, 89, 1652-1658.	2.6	24
75	Electrochemical synthesis and characterization of a new soluble conducting polymer. <i>Journal of Materials Science</i> , 2009, 44, 3148-3155.	3.7	24
76	Electroanalytical Determination of Some Sulfonamides on Overoxidized Polypyrrole Electrodes. <i>Australian Journal of Chemistry</i> , 2011, 64, 965.	0.9	24
77	A new coumarin based Schiff base fluorescence probe for zinc ion. <i>Tetrahedron</i> , 2021, 88, 132127.	1.9	24
78	Electrochemical formation of molybdenum phosphate on a pencil graphite electrode and its potential application for the detection of phosphate ions. <i>Analytical Methods</i> , 2018, 10, 4282-4291.	2.7	23
79	A green approach to fabricate binder-free doped graphene oxide electrodes for vanadium redox battery. <i>International Journal of Energy Research</i> , 2021, 45, 2126-2137.	4.5	23
80	Synthesis of Phosphorus Doped Graphenes via the Yucel™s Method as the Positive Electrode of a Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2021, 168, 060504.	2.9	23
81	Novel composite materials consisting of polypyrrole and metal organic frameworks for supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 48, 103699.	8.1	23
82	Electrochemical synthesis and characterization of self-doped aniline 2-sulfonic acid-modified flexible electrode with high areal capacitance and rate capability for supercapacitors. <i>Synthetic Metals</i> , 2022, 285, 117017.	3.9	22
83	Electrochemical copolymerization of aniline and anilinesulfonic acids in FSO ₃ H/acetonitrile solution. <i>Journal of Applied Polymer Science</i> , 2002, 85, 1227-1235.	2.6	21
84	Determination of ascorbic acid by polypyrrole potentiometric detector in ion chromatography. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3492-3497.	10.1	21
85	Electrochemical Determination of Paracetamol by a Novel Derivative of Formazan Modified Pencil Graphite Electrode. <i>IEEE Sensors Journal</i> , 2014, 14, 2529-2536.	4.7	20
86	Preparation of electrochemically treated nanoporous pencil-graphite electrodes for the simultaneous determination of Pb and Cd in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4827-4837.	3.7	20
87	A performance comparison of protective silicate-coated lead and non-coated lead electrodes in various kind electrolytes of gel valve-regulated lead-acid battery. <i>Ionics</i> , 2018, 24, 3655-3664.	2.4	20
88	Electrochemical preparation of poly(2-bromoaniline) and poly(aniline-co-2-bromoaniline) in acetonitrile. <i>Journal of Applied Polymer Science</i> , 2003, 90, 2460-2468.	2.6	19
89	Solid-phase microextraction and ion chromatographic analysis of anions based on polypyrrole electrode. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3298-3304.	2.6	19
90	Synthesis, structural and optical properties of novel borylated Cu(II) and Co(II) metal complexes of 4-benzylaminobiphenylglyoxime. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2473-2481.	1.8	18

#	ARTICLE	IF	CITATIONS
91	Differential Pulse Voltammetric Determination of Folic Acid Using a Poly(Cystine) Modified Pencil Graphite Electrode. <i>Analytical Letters</i> , 2020, 53, 2060-2078.	1.8	18
92	Oligomeric Tetrathiafulvalenes: A New Route toward Conjugated TTF Dimers and Trimers. <i>Organic Letters</i> , 2004, 6, 1569-1572.	4.6	17
93	Corrosion performance of self-doped sulfonated polypyrrole coatings on stainless steel. <i>Materials Chemistry and Physics</i> , 2006, 100, 19-25.	4.0	17
94	A novel interface layer for inverted perovskite solar cells fabricated in ambient air under high humidity conditions. <i>Solar Energy</i> , 2020, 209, 400-407.	6.1	16
95	Chrome and cobalt-based novel electrolyte systems for redox flow batteries. <i>International Journal of Energy Research</i> , 2020, 44, 8014-8023.	4.5	16
96	One-step synthesis of nitrogen-doped graphene powders and application of them as high-performance symmetrical coin cell supercapacitors in different aqueous electrolyte. <i>International Journal of Energy Research</i> , 2022, 46, 7348-7373.	4.5	15
97	Hydrothermal Synthesis of Flexible Fe-Doped Polyaniline/Dye-Functionalized Carbon Felt Electrode for Supercapacitor Applications. <i>ChemistrySelect</i> , 2022, 7, .	1.5	14
98	Electrochemical polymerization of acetylene with copper catalyst on platinum and copper electrodes. <i>Synthetic Metals</i> , 2002, 129, 117-121.	3.9	13
99	Effect of UV exposure of ITO/PEDOT:PSS substrates on the performance of inverted-type perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 7968-7980.	2.2	13
100	Selective Electrochemical Sensing of Riboflavin Based on Functionalized Multi-Walled Carbon Nanotube/Gold Nanoparticle/Pencil Graphite Electrode. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 121003.	1.8	13
101	An ultra-high power density supercapacitor: Cu(II) phthalocyanine tetrasulfonic acid tetrasodium salt doped polyaniline. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165689.	5.5	13
102	A novel electrolytes for redox flow batteries: Cerium and chromium couples in aqueous system. <i>International Journal of Energy Research</i> , 2021, 45, 16176-16188.	4.5	12
103	Voltammetric Method for Determining Ferric Ions with Quercetin. <i>Electroanalysis</i> , 2021, 33, 2115-2121.	2.9	12
104	Preparation of Copper Doped Conducting Polymers and Their Supercapacitor Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 033004.	1.8	12
105	Determination of sulfamethoxazole in pharmaceutical formulations by flow injection system/HPLC with potentiometric detection using polypyrrole electrode. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 2171-2177.	0.6	11
106	Electrochemical synthesis, characterization and capacitive properties of novel thiophene based conjugated polymer. <i>Reactive and Functional Polymers</i> , 2014, 83, 107-112.	4.1	11
107	Production of chlorine-containing functional group doped graphene powders using Yucel's method as anode materials for Li-ion batteries. <i>RSC Advances</i> , 2021, 11, 40059-40071.	3.6	10
108	Single Step Electrochemical Semi-Exfoliated S-Doped Graphene-Like Structures from Commercial Carbon Fiber as Efficient Metal-Free Catalyst for Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2022, 9, .	3.4	10

#	ARTICLE	IF	CITATIONS
109	A new approach to prepare Nâ€doped freeâ€standing graphene oxides for vanadium redox flow battery. International Journal of Energy Research, 2022, 46, 19992-20003.	4.5	10
110	Biocompatibility of designed MicNo-ZnO particles: Cytotoxicity, genotoxicity and phototoxicity in human skin keratinocyte cells. Toxicology in Vitro, 2018, 47, 238-248.	2.4	9
111	Investigation of supercapacitor properties of chlorine-containing functional groups doped graphene electrodes. Journal of Electroanalytical Chemistry, 2022, 918, 116438.	3.8	9
112	One-step potentiostatic codeposition and electrochemical studies of Journal of Chemistry, 2018, 42, 958-973.	1.2	8
113	New Approach Synthesis of S, N Coâ€Doped Graphenes for Highâ€Performance Supercapacitors. ChemistrySelect, 2022, 7, .	1.5	8
114	The substituent effects on the structure and surface morphology of polyaniline. Journal of Applied Polymer Science, 2010, 115, 3024-3030.	2.6	7
115	Zn Phthalocyanine Derivatives for Solutionâ€Processed Small Molecule Organic Solar Cells. ChemistrySelect, 2018, 3, 13692-13699.	1.5	7
116	Costâ€effective and Facile Production of a Phosphorusâ€doped Graphite Electrode for the Electrochemical Determination of Pyridoxine. Electroanalysis, 2021, 33, 1657-1667.	2.9	7
117	Thiophene Functionalized Porphyrin for Electrochemical Carbon Dioxide Reduction. Journal of the Electrochemical Society, 2021, 168, 126512.	2.9	7
118	Electroanalytical determination of Allura Red in beverage samples using an anodically pretreated graphite electrode. International Journal of Environmental Analytical Chemistry, 2023, 103, 3544-3562.	3.3	6
119	Highly Sensitive Electrochemical Determination of Acetaminophen in Pharmaceuticals by Poly[2, 5-di(2-Thiophenyl)-1-p-(Tolyl)Pyrrole] Modified Pencil Graphite Electrode. IEEE Sensors Journal, 2016, 16, 2914-2921.	4.7	5
120	Synthesis of anatase particles <i>via</i> morphological control of titanium glycerolate intermediate precursor. CrystEngComm, 2019, 21, 4250-4254.	2.6	5
121	Differential Pulse Voltammetric (DPV) Determination of Phosphomolybdenum Complexes by a Poly(Vinyl Chloride) Coated Molybdenum Blue Modified Pencil Graphite Electrode (PVC-MB-PGE). Analytical Letters, 2021, 54, 492-511.	1.8	5
122	Ultrasensitive Electrochemical Detection of Carcinoembryonic Antigen with a Labelâ€Free Immunosensor Using Gold Nanoparticleâ€Decorated Poly(pyrroleâ€coâ€3,4â€ethylenedioxythiophene). ChemElectroChem, 2022, 9, .	3.4	4
123	Manipulating cell behavior on a bacterial macro-polymer poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) via tuning the S-doped graphene ratio. International Journal of Biological Macromolecules, 2021, 182, 2076-2086.	7.5	2
124	Acid Cleaning of Titanium Based Scales Formed on Preheaters in the Bayer Process. , 2012, , 225-228.		1
125	Polypyrrole doped graphene nanocomposites as advanced positive electrodes for vanadium redox flow battery. Journal of Materials Science: Materials in Electronics, 0, , .	2.2	0