Ayman nafady

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7891655/publications.pdf

Version: 2024-02-01

214 papers	6,798 citations	53794 45 h-index	85541 71 g-index
221 all docs	221 docs citations	221 times ranked	7288 citing authors

#	Article	IF	Citations
1	Efficient and Stable Co3O4/ZnO Nanocomposite for Photochemical Water Splitting. Journal of Cluster Science, 2022, 33, 387-394.	3.3	3
2	The Crystal Disorder into ZnO with Addition of Bromine and Itâ€™s Outperform Role in the Photodegradation of Methylene Blue. Journal of Cluster Science, 2022, 33, 281-291.	3.3	2
3	Low Temperature Aqueous Chemical Growth Method for the Doping of W into ZnO Nanostructures and Their Photocatalytic Role in the Degradration of Methylene Blue. Journal of Cluster Science, 2022, 33, 1445-1456.	3.3	14
4	Trace Level Colorimetric Hg2+ Sensor Driven by Citrus japonica Leaf Extract Derived Silver Nanoparticles: Green Synthesis and Application. Journal of Cluster Science, 2022, 33, 1865-1875.	3.3	6
5	Recent Advances in Mesoporous Silica Nanoparticles for Targeted Drug Delivery Applications. Current Drug Delivery, 2022, 19, 436-450.	1.6	28
6	Strongly Anisotropic Strainâ€Tunability of Excitons in Exfoliated ZrSe₃. Advanced Materials, 2022, 34, e2103571.	21.0	16
7	Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Tiâ€MOF/COF Composites. Angewandte Chemie, 2022, 134, .	2.0	15
8	Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Tiâ€MOF/COF Composites. Angewandte Chemie - International Edition, 2022, 61, .	13.8	67
9	Fabrication of Er, Tb doped CuO thin films using nebulizer spray pyrolysis technique for photosensing applications. Optical Materials, 2022, 123, 111954.	3.6	26
10	Structural, spectroscopic, FMOs, and non-linear optical properties exploration of three thiacaix(4)arenes derivatives. Arabian Journal of Chemistry, 2022, 15, 103656.	4.9	29
11	Strongly Anisotropic Strainâ€Tunability of Excitons in Exfoliated ZrSe₃ (Adv. Mater. 1/2022). Advanced Materials, 2022, 34, .	21.0	1
12	Efficient Adsorption of Carbofuran via Tailored Porous Polyacrylonitrile Film Incorporating Ti-MIL Coordination Polymer. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1409-1421.	3.7	1
13	NiCo2O4 nanostructures loaded onto pencil graphite rod: An advanced composite material for oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 6650-6665.	7.1	30
14	Stretching ReS2 along different crystal directions: Anisotropic tuning of the vibrational and optical responses. Applied Physics Letters, 2022, 120, .	3.3	6
15	Pd-Co3O4-based nanostructures for the development of enzyme-free glucose sensor. Bulletin of Materials Science, 2022, 45, 1.	1.7	6
16	Eco-Friendly Disposable WS2 Paper Sensor for Sub-ppm NO2 Detection at Room Temperature. Nanomaterials, 2022, 12, 1213.	4.1	13
17	InnenrÃ¼cktitelbild: Enhancing Photocatalytic Hydrogen Production via the Construction of Robust Multivariate Tiâ€MOF/COF Composites (Angew. Chem. 3/2022). Angewandte Chemie, 2022, 134, .	2.0	0
18	Scalable and low-cost fabrication of flexible WS2 photodetectors on polycarbonate. Npj Flexible Electronics, 2022, 6, .	10.7	21

#	Article	IF	Citations
19	Installation of synergistic binding sites onto porous organic polymers for efficient removal of perfluorooctanoic acid. Nature Communications, 2022, 13, 2132.	12.8	49
20	Ni Nanoparticles Embedded Ti3C2Tx-MXene Nanoarchitectures for Electrochemical Sensing of Methylmalonic Acid. Biosensors, 2022, 12, 231.	4.7	16
21	Crystalline and porous CoSe dendrimeric architectures for efficient oxygen evolution reaction. Fuel, 2022, 323, 124324.	6.4	19
22	Utilization of cationic microporous metal-organic framework for efficient Xe/Kr separation. Nano Research, 2022, 15, 7559-7564.	10.4	25
23	The fast nucleation/growth of Co₃O₄nanowires on cotton silk: the facile development of a potentiometric uric acid biosensor. RSC Advances, 2022, 12, 18321-18332.	3.6	4
24	Synthesis, structural characterization, and biological studies of ATBSâ€“M complexes (M(II)â€‰=â€‰Cu, Co, Ni,) Tj ETQq0 0 0 rgBT /O e2000241.	4.1	8
25	Preparation and thermoelectric power properties of highly doped p-type Sb2Te3 thin films. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114505.	2.7	23
26	Singleâ€Pore versus Dualâ€Pore Bipyridineâ€Based Covalentâ€“Organic Frameworks: An Insight into the Heterogeneous Catalytic Activity for Selective Cï£¿H Functionalization. Small, 2021, 17, e2003970.	10.0	25
27	A window-space-directed assembly strategy for the construction of supertetrahedron-based zeolitic mesoporous metalâ€“organic frameworks with ultramicroporous apertures for selective gas adsorption. Chemical Science, 2021, 12, 5767-5773.	7.4	15
28	Silky Co₃O₄ nanostructures for the selective and sensitive enzyme free sensing of uric acid. RSC Advances, 2021, 11, 5156-5162.	3.6	12
29	Synthesis of Sheet Like Nanostructures of NiO Using Potassium Dichromate as Surface Modifying Agent for the Sensitive and Selective Determination of Amlodipine Besylate (ADB) Drug. Electroanalysis, 2021, 33, 1121-1128.	2.9	4
30	Two step synthesis of TiO2â€“Co3O4 composite for efficient oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 9110-9122.	7.1	25
31	A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie, 2021, 133, 5343-5348.	2.0	49
32	Chemically Coupled Multiwall Carbon Nanotubes with Leaf-Like Nanostructures of NiO for Sensitive and Selective Determination of Uric Acid. Journal of Electronic Materials, 2021, 50, 2852-2859.	2.2	1
33	Frontispiz: A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie, 2021, 133, .	2.0	1
34	Frontispiece: A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
35	A MOFâ€based Ultraâ€Strong Acetylene Nanoâ€trap for Highly Efficient C₂H₂/CO₂ Separation. Angewandte Chemie - International Edition, 2021, 60, 5283-5288.	13.8	172
36	Effects of spark plasma sintering on enhancing the thermoelectric performance of Hfâ€“Ti doped VFeSb half-Heusler alloys. Journal of Physics and Chemistry of Solids, 2021, 150, 109848.	4.0	13

#	Article	IF	Citations
37	3D Cationic Polymeric Network Nanotrap for Efficient Collection of Perrhenate Anion from Wastewater. Small, 2021, 17, e2007994.	10.0	42
38	Nanospace Engineering of Metalâ€“Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. Angewandte Chemie, 2021, 133, 9766-9771.	2.0	9
39	Nanospace Engineering of Metalâ€“Organic Frameworks through Dynamic Spacer Installation of Multifunctionalities for Efficient Separation of Ethane from Ethane/Ethylene Mixtures. Angewandte Chemie - International Edition, 2021, 60, 9680-9685.	13.8	89
40	Fabrication of Hybrid Materials Based on Waste Polyethylene/Porous Activated Metakaolinite Nanocomposite as an Efficient Membrane for Heavy Metal Desalination Processes. Adsorption Science and Technology, 2021, 2021, 1-15.	3.2	3
41	Electrochemical sensing of dopamine via bio-assisted synthesized silver nanoparticles. International Nano Letters, 2021, 11, 263-271.	5.0	9
42	Increased Crystallization of CuTCNQ in Water/DMSO Bisolvent for Enhanced Redox Catalysis. Nanomaterials, 2021, 11, 954.	4.1	4
43	TiO2/ZnO Nanocomposite Material for Efficient Degradation of Methylene Blue. Journal of Nanoscience and Nanotechnology, 2021, 21, 2511-2519.	0.9	2
44	Two Manganese Metalloporphyrin Frameworks Constructed from a Custom-Designed Porphyrin Ligand Exhibiting Selective Uptake of CO₂ over CH₄ and Catalytic Activity for CO₂ Fixation. Crystal Growth and Design, 2021, 21, 2786-2792.	3.0	9
45	MoSxâ€“Co3O4 Nanocomposite for Selective Determination of Ascorbic Acid. Journal of Nanoscience and Nanotechnology, 2021, 21, 2595-2603.	0.9	0
46	Chemically Coupled Cobalt Oxide Nanosheets Decorated onto the Surface of Multiwall Carbon Nanotubes for Favorable Oxygen Evolution Reaction. Journal of Nanoscience and Nanotechnology, 2021, 21, 2660-2667.	0.9	3
47	Efficient Electron Transfer from Electronâ€Sponge Polyoxometalate to Singleâ€Metal Site Metalâ€“Organic Frameworks for Highly Selective Electroreduction of Carbon Dioxide. Small, 2021, 17, e2100762.	10.0	34
48	Development of silk fibers decorated with the in situ synthesized silver and gold nanoparticles: antimicrobial activity and creatinine adsorption capacity. Journal of Industrial and Engineering Chemistry, 2021, 97, 584-596.	5.8	8
49	Manipulation of optical properties in thin tetradymite layers. Optical Materials, 2021, 115, 111026.	3.6	3
50	Carbon Dioxide Electroreduction: Efficient Electron Transfer from Electronâ€Sponge Polyoxometalate to Singleâ€Metal Site Metalâ€“Organic Frameworks for Highly Selective Electroreduction of Carbon Dioxide (Small 20/2021). Small, 2021, 17, 2170095.	10.0	1
51	Cationic Polymeric Networks: 3D Cationic Polymeric Network Nanotrap for Efficient Collection of Perrhenate Anion from Wastewater (Small 20/2021). Small, 2021, 17, 2170094.	10.0	0
52	Polyaniline as a sacrificing template for the synthesis of controlled Co3O4 nanoparticles for the sensitive and selective detection of methotrexate (MTX). Journal of Materials Science: Materials in Electronics, 2021, 32, 15594-15604.	2.2	1
53	Facile Electrochemical Determination of Methotrexate (MTX) Using Glassy Carbon Electrode-Modified with Electronically Disordered NiO Nanostructures. Nanomaterials, 2021, 11, 1266.	4.1	12
54	Covalentâ€“Organic Frameworks: Singleâ€Pore versus Dualâ€Pore Bipyridineâ€Based Covalentâ€“Organic Frameworks: An Insight into the Heterogeneous Catalytic Activity for Selective Cï£¿H Functionalization (Small 22/2021). Small, 2021, 17, 2170109.	10.0	2

#	Article	IF	Citations
55	Highly selective, sensitive and simpler colorimetric sensor for Fe2+ detection based on biosynthesized gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 254, 119645.	3.9	12
56	Optical properties of thin Bi2Te3 films synthesized by different techniques. Superlattices and Microstructures, 2021, 155, 106909.	3.1	11
57	Antibacterial potency, cell viability and morphological implications of copper oxide nanoparticles encapsulated into cellulose acetate nanofibrous scaffolds. International Journal of Biological Macromolecules, 2021, 182, 464-471.	7.5	13
58	Synthesis of composite material of cobalt oxide (Co3O4) with hydroxide functionalized multi-walled carbon nanotubes (MWCNTs) for electrochemical determination of uric acid. Journal of Materials Science: Materials in Electronics, 2021, 32, 20047-20057.	2.2	0
59	A simple and efficient visible light photodetector based on Co3O4/ZnO composite. Optical and Quantum Electronics, 2021, 53, 1.	3.3	8
60	Cellulose acetate nanofibers embedded with Ag nanoparticles/CdSe/graphene oxide composite for degradation of methylene blue. Synthetic Metals, 2021, 278, 116824.	3.9	22
61	Design and fabrication of green and sustainable vapochromic cellulose fibers embedded with natural anthocyanin for detection of toxic ammonia. Talanta, 2021, 230, 122292.	5.5	22
62	Functional Porphyrinic Metalâ€“Organic Framework as a New Class of Heterogeneous Halogenâ€Bondâ€Donor Catalyst. Angewandte Chemie - International Edition, 2021, 60, 24312-24317.	13.8	20
63	Secondâ€Sphere Interaction Promoted Turnâ€On Fluorescence for Selective Sensing of Organic Amines in a Tb^{III}â€based Macrocyclic Framework. Angewandte Chemie, 2021, 133, 23898-23905.	2.0	8
64	Secondâ€Sphere Interaction Promoted Turnâ€On Fluorescence for Selective Sensing of Organic Amines in a Tb^{III}â€based Macrocyclic Framework. Angewandte Chemie - International Edition, 2021, 60, 23705-23712.	13.8	48
65	Flower-like CuO/polyaniline composite for electrochemical determination of hydrochlorothiazide. Bulletin of Materials Science, 2021, 44, 1.	1.7	2
66	New Quinoline-2-one/thiazolium bromide Derivatives; Synthesis, Characterization and Mechanism of Formation. Journal of Molecular Structure, 2021, 1239, 130501.	3.6	3
67	Fabrication of FeO(OH)/CNTs composite based electrode with self-supporting and flexible design for foldable hybrid capacitors. Ceramics International, 2021, 47, 34881-34890.	4.8	5
68	Facile fabrication of Fe-BDC/Fe-2MI heterojunction with boosted photocatalytic activity for Cr(VI) reduction. Journal of Environmental Chemical Engineering, 2021, 9, 105961.	6.7	15
69	Utilization of hybrid silicone rubber/Exolit AP 422 composite for the fabrication of mechanically flexible, flame-retardant and superhydrophobic polyurethane foams. Materials Chemistry and Physics, 2021, 273, 125133.	4.0	10
70	Mechanical and thermoelectric properties of FeVSb-based half-Heusler alloys. Journal of Alloys and Compounds, 2021, 886, 161308.	5.5	17
71	Enzymes and phytochemicals from neem extract robustly tuned the photocatalytic activity of ZnO for the degradation of malachite green (MG) in aqueous media. Research on Chemical Intermediates, 2021, 47, 1581-1599.	2.7	16
72	Cotton cloth supported tungsten carbide/carbon nanocomposites as a Janus film for solar driven interfacial water evaporation. Journal of Materials Chemistry A, 2021, 9, 23140-23148.	10.3	26

#	Article	IF	Citations
73	Nanostructured Co3O4 electrocatalyst for OER: The role of organic polyelectrolytes as soft templates. Electrochimica Acta, 2021, 398, 139338.	5.2	30
74	Paper-supported WS2 strain gauges. Sensors and Actuators A: Physical, 2021, 332, 113204.	4.1	4
75	Application of nanotechnology in agriculture, postharvest loss reduction and food processing: food security implication and challenges. Heliyon, 2021, 7, e08539.	3.2	116
76	Synthesis and characterization of new Cr(III), Fe(III) and Cu(II) complexes incorporating multi-substituted aryl imidazole ligand: Structural, DFT, DNA binding, and biological implications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117700.	3.9	107
77	Recent advances in MOF-based photocatalysis: environmental remediation under visible light. Inorganic Chemistry Frontiers, 2020, 7, 300-339.	6.0	429
78	Synthesis, Characterization, Theoretical Studies, and Antimicrobial/Antitumor Potencies of Salen and Salen/Imidazole Complexes of Co (II), Ni (II), Cu (II), Cd (II), Al (III) and La (III). Applied Organometallic Chemistry, 2020, 34, e5912.	3.5	39
79	Non-Linear Optical Property and Biological Assays of Therapeutic Potentials Under In Vitro Conditions of Pd(II), Ag(I) and Cu(II) Complexes of 5-Diethyl amino-2-({2-[(2-hydroxy-Benzylidene)-amino]-phenylimino}-methyl)-phenol. Molecules, 2020, 25, 5089.	3.8	42
80	Green Synthesis of AgNPs⁽⁾ Ultilizing Delonix Regia Extract as Anticancer and Antimicrobial Agents**. ChemistrySelect, 2020, 5, 13263-13268.	1.5	38
81	Fabrication of Fe-POMs as Visible-light-active Heterogeneous Photocatalyst. Chemical Research in Chinese Universities, 2020, 36, 1128-1135.	2.6	3
82	Design, synthesis and molecular modeling of novel aryl carboximidamides and 3-aryl-1,2,4-oxadiazoles derived from indomethacin as potent anti-inflammatory iNOS/PGE2 inhibitors. Bioorganic Chemistry, 2020, 105, 104439.	4.1	24
83	RÃ¼cktitelbild: A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium (Angew.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	0
84	Metalâ€“Organic Charge Transfer Complexes of Pb(TCNQ) 2 and Pb(TCNQF 4) 2 as New Catalysts for Electron Transfer Reactions. Advanced Materials Interfaces, 2020, 7, 2001111.	3.7	8
85	Chemical, physical, and biological properties of Pd(II), V(IV)O, and Ag(I) complexes of N₃ tridentate pyridine-based Schiff base ligand. Journal of Coordination Chemistry, 2020, 73, 3150-3173.	2.2	59
86	Antimycobacterial, Antioxidant and Cytotoxicity Activities of Mesoporous Nickel Oxide Nanoparticles for Healthcare. Coatings, 2020, 10, 1242.	2.6	4
87	Co2+ Substituted Spinel MgCuZn Ferrimagnetic Oxide: A Highly Versatile Electromagnetic Material via a Facile Molten Salt Route. Nanomaterials, 2020, 10, 2333.	4.1	4
88	Facile NiCo2S4/C nanocomposite: an efficient material for water oxidation. Tungsten, 2020, 2, 403-410.	4.8	15
89	A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. Angewandte Chemie, 2020, 132, 19786-19790.	2.0	10
90	A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. Angewandte Chemie - International Edition, 2020, 59, 19618-19622.	13.8	57

#	Article	IF	Citations
91	Enhanced desalination process using a Cuâ€“ZnO-polyvinyl chloride-nylon nanofiltration membrane as a calcite antiscalant in reverse osmosis. Materials Express, 2020, 10, 671-679.	0.5	7
92	Structural modifications in Coâ€“Zn nanoferrites by Gd substitution triggering to dielectric and gas sensing applications. Journal of Alloys and Compounds, 2020, 844, 156178.	5.5	30
93	Synthesis of Co(OH)₂/CNTs nanocomposite with superior rate capability and cyclic stability for energy storage applications. Materials Research Express, 2020, 7, 125501.	1.6	21
94	Cephradine-Capped Gold Nanoparticle Modified Glassy Carbon Electrode for Trace Level Sensing of Triphenyltin Hydroxide. Journal of the Electrochemical Society, 2020, 167, 137503.	2.9	2
95	Investigation of the Anticancer Activity of Coordination-Driven Self-AssembledTwo-Dimensional Ruthenium Metalla-Rectangle. Molecules, 2019, 24, 2284.	3.8	7
96	Electrospun carbon nanofiber-encapsulated NiS nanoparticles as an efficient catalyst for hydrogen production from hydrolysis of sodium borohydride. International Journal of Hydrogen Energy, 2019, 44, 21716-21725.	7.1	30
97	Iridium complex immobilization on covalent organic framework for effective Câ€”H borylation. APL Materials, 2019, 7, .	5.1	24
98	Frontispiz: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie, 2019, 131, .	2.0	1
99	Novel Cr (III), Fe (III) and Ru (III) Vanillin Based Metalloâ€Pharmaceuticals for Cancer and Inflammation Treatment: Experimental and Theoretical Studies. Applied Organometallic Chemistry, 2019, 33, e5177.	3.5	15
100	Pore surface engineering of covalent organic frameworks: structural diversity and applications. Nanoscale, 2019, 11, 21679-21708.	5.6	82
101	Microporous Cyclen-Based Octacarboxylate Hydrogen-Bonded Organic Framework Exhibiting Selective Gas Adsorption. Crystal Growth and Design, 2019, 19, 6377-6380.	3.0	18
102	Hollow capsules of doped carbon incorporating metal@metal sulfide and metal@metal oxide coreâ€“shell nanoparticles derived from metalâ€“organic framework composites for efficient oxygen electrocatalysis. Journal of Materials Chemistry A, 2019, 7, 3624-3631.	10.3	53
103	Tunable Synthesis of Hollow Metalâ€“Nitrogenâ€“Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. ACS Nano, 2019, 13, 8087-8098.	14.6	106
104	Sub-ppt level voltammetric sensor for Hg2+ detection based on nafion stabilized l-cysteine-capped Au@Ag core-shell nanoparticles. Journal of Solid State Electrochemistry, 2019, 23, 2073-2083.	2.5	4
105	Recent advances in preparation methods for catalytic thin films and coatings. Catalysis Science and Technology, 2019, 9, 3582-3602.	4.1	50
106	Frontispiece: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie - International Edition, 2019, 58, .	13.8	0
107	Pore environment engineering in metalâ€“organic frameworks for efficient ethane/ethylene separation. Journal of Materials Chemistry A, 2019, 7, 13585-13590.	10.3	91
108	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie, 2019, 131, 8762-8767.	2.0	40

#	Article	IF	Citations
109	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie - International Edition, 2019, 58, 8670-8675.	13.8	128
110	Vanadium Docked Covalent-Organic Frameworks: An Effective Heterogeneous Catalyst for Modified Mannich-Type Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 4878-4888.	6.7	46
111	Effective and fast adsorptive removal of toxic cationic dye (MB) from aqueous medium using amino-functionalized magnetic multiwall carbon nanotubes. Journal of Molecular Liquids, 2019, 282, 154-161.	4.9	124
112	Biogenic Silver Nanoparticles for Trace Colorimetric Sensing of Enzyme Disrupter Fungicide Vinclozolin. Nanomaterials, 2019, 9, 1604.	4.1	21
113	Covalent Organic Framework Decorated with Vanadium as a New Platform for Prins Reaction and Sulfide Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 3070-3079.	8.0	66
114	Fabrication of oxidized graphite supported La2O3/ZrO2 nanocomposite for the photoremediation of toxic fast green dye. Journal of Molecular Liquids, 2019, 277, 738-748.	4.9	25
115	Ranolazine-Functionalized Copper Nanoparticles as a Colorimetric Sensor for Trace Level Detection of As3+. Nanomaterials, 2019, 9, 83.	4.1	21
116	Mechanistic Pathways and Identification of the Electrochemically Generated Oxidation Products of Flavonoid Eriodictyol in the Presence of Glutathione. Electroanalysis, 2018, 30, 1714-1722.	2.9	5
117	Sensitive and selective aggregation based colorimetric sensing of Fe3+ via interaction with acetyl salicylic acid derived gold nanoparticles. Sensors and Actuators B: Chemical, 2018, 259, 1006-1012.	7.8	42
118	CoCr 7 C 3 -like nanorods embedded on carbon nanofibers as effective electrocatalyst for methanol electro-oxidation. International Journal of Hydrogen Energy, 2018, 43, 9943-9953.	7.1	18
119	Catalytic Oxidation of Benzyl Alcohol Using Nanosized Cu/Ni Schiff-Base Complexes and Their Metal Oxide Nanoparticles. Catalysts, 2018, 8, 452.	3.5	56
120	Cobalt nanoparticles incorporated into hollow doped porous carbon capsules as a highly efficient oxygen reduction electrocatalyst. Catalysis Science and Technology, 2018, 8, 5244-5250.	4.1	17
121	Lower Activation Energy for Catalytic Reactions through Hostâ€“Guest Cooperation within Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2018, 57, 10107-10111.	13.8	166
122	Lower Activation Energy for Catalytic Reactions through Hostâ€“Guest Cooperation within Metalâ€“Organic Frameworks. Angewandte Chemie, 2018, 130, 10264-10268.	2.0	33
123	Construction of an Ultrasensitive and Highly Selective Nitrite Sensor Using Piroxicam-Derived Copper Oxide Nanostructures. Catalysts, 2018, 8, 29.	3.5	11
124	Facile Approach to Graft Ionic Liquid into MOF for Improving the Efficiency of CO₂ Chemical Fixation. ACS Applied Materials & Interfaces, 2018, 10, 27124-27130.	8.0	142
125	An amperometric sensitive dopamine biosensor based on novel copper oxide nanostructures. Microsystem Technologies, 2017, 23, 1229-1235.	2.0	16
126	Easy, one-step synthesis of CdTe quantum dots via microwave irradiation for fingerprinting application. Materials Research Bulletin, 2017, 90, 260-265.	5.2	21

#	Article	IF	Citations
127	Co₃O₄@CeO₂ hybrid flower-like microspheres: a strong synergistic peroxidase-mimicking artificial enzyme with high sensitivity for glucose detection. Journal of Materials Chemistry B, 2017, 5, 720-730.	5.8	96
128	Ultraâ€sensitive Amperometric Hydrazine Sensing via Dimethyl Glyoxomat Derived NiO Nanostructures. Electroanalysis, 2017, 29, 2803-2809.	2.9	6
129	Nanowire Morphology of Mono- and Bidoped Î±-MnO₂ Catalysts for Remarkable Enhancement in Soot Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 32652-32666.	8.0	116
130	Fabrication of Highly Sensitive and Selective Electrochemical Sensors for Detection of Paracetamol by Using Piroxicam Stabilized Gold Nanoparticles. Journal of the Electrochemical Society, 2017, 164, B427-B434.	2.9	16
131	Structural, Spectroscopic, and Electrochemical Characterization of Semi-Conducting, Solvated [Pt(NH3)4](TCNQ)2Â·(DMF)2 and Non-Solvated [Pt(NH3)4](TCNQ)2. Australian Journal of Chemistry, 2017, 70, 997.	0.9	2
132	Fabrication and Applications of Potentiometric Sensors Based on p-tert-butylthiacalix[4]arene Comprising Two Triazole Rings Ionophore for Silver Ion Detection. International Journal of Electrochemical Science, 2016, , 4729-4742.	1.3	19
133	Preferential synthesis of highly conducting Tl(TCNQ) phase II nanorod networks via electrochemically driven TCNQ/Tl(TCNQ) solid-solid phase transformation. Journal of Solid State Electrochemistry, 2016, 20, 3303-3314.	2.5	4
134	Simpler and highly sensitive enzyme-free sensing of urea via NiO nanostructures modified electrode. RSC Advances, 2016, 6, 39001-39006.	3.6	49
135	Ascorbic Acid Assisted Synthesis of Cobalt Oxide Nanostructures, Their Electrochemical Sensing Application for the Sensitive Determination of Hydrazine. Journal of Electronic Materials, 2016, 45, 3695-3701.	2.2	12
136	Cefuroxime derived copper nanoparticles and their application as a colorimetric sensor for trace level detection of picric acid. RSC Advances, 2016, 6, 82882-82889.	3.6	30
137	Highly sensitive determination of atropine using cobalt oxide nanostructures: Influence of functional groups on the signal sensitivity. Analytica Chimica Acta, 2016, 948, 30-39.	5.4	18
138	Designing CuO_x Nanoparticle-Decorated CeO₂ Nanocubes for Catalytic Soot Oxidation: Role of the Nanointerface in the Catalytic Performance of Heterostructured Nanomaterials. Langmuir, 2016, 32, 2208-2215.	3.5	127
139	Ceriaâ€“zirconia modified MnO_x catalysts for gaseous elemental mercury oxidation and adsorption. Catalysis Science and Technology, 2016, 6, 1792-1803.	4.1	122
140	The Synthesis of New Nanostructures of CuO Using Ascorbic Acid as Growth Directing Agent and Their Sensitive Electrochemical Detection of Hydrazine. Sensor Letters, 2016, 14, 611-615.	0.4	7
141	Conditions Favoring the Formation of Monomeric Pt^{III} Derivatives in the Electrochemical Oxidation of transâ€[Pt^{II}{(pâ€BrC₆F₄)NCH₂CH₂NEt₂}₂]. ChemElectroChem, 2015, 2, 1048-1061.	3.4	7
142	Catalytic Reductive Degradation of Methyl Orange Using Air Resilient Copper Nanostructures. Journal of Nanomaterials, 2015, 2015, 1-12.	2.7	21
143	Microwave-assisted synthesis of L-cysteine-capped nickel nanoparticles for catalytic reduction of 4-nitrophenol. Rare Metals, 2015, 34, 683-691.	7.1	6
144	Glycine-assisted synthesis of NiO hollow cage-like nanostructures for sensitive non-enzymatic glucose sensing. RSC Advances, 2015, 5, 18773-18781.	3.6	62

#	Article	IF	Citations
145	Tranexamic acid derived gold nanoparticles modified glassy carbon electrode as sensitive sensor for determination of nalbuphine. Sensors and Actuators B: Chemical, 2015, 211, 359-369.	7.8	42
146	Controlling Core/Shell Formation of Nanocubic p-Cu₂O/n-ZnO Toward Enhanced Photocatalytic Performance. Langmuir, 2015, 31, 10922-10930.	3.5	75
147	Mercury Sorption and Desorption on Gold: A Comparative Analysis of Surface Acoustic Wave and Quartz Crystal Microbalance-Based Sensors. Langmuir, 2015, 31, 8519-8529.	3.5	43
148	MnO_x Nanoparticle-Dispersed CeO₂ Nanocubes: A Remarkable Heteronanostructured System with Unusual Structural Characteristics and Superior Catalytic Performance. ACS Applied Materials & Interfaces, 2015, 7, 16525-16535.	8.0	154
149	Development of sensitive non-enzymatic glucose sensor using complex nanostructures of cobalt oxide. Materials Science in Semiconductor Processing, 2015, 34, 373-381.	4.0	50
150	Voltammetric studies on the inter-relationship between the redox chemistry of TTF, TTF⁺Ë™, TTF²⁺ and HTTF⁺ in acidic media. RSC Advances, 2015, 5, 18384-18390.	3.6	12
151	Chemically and electrochemically induced expansion and contraction of a ferrocene rotor. Chemical Communications, 2015, 51, 8161-8164.	4.1	49
152	Silver/gold core/shell nanowire monolayer on a QCM microsensor for enhanced mercury detection. RSC Advances, 2015, 5, 92303-92311.	3.6	18
153	Catalytic degradation of imidacloprid using L-serine capped nickel nanoparticles. Materials Express, 2015, 5, 121-128.	0.5	10
154	Electrochemistry with the extremely weak coordinating anions: Using of carboranes [H-CB11X6Y5]â^' (X) Tj ETQq0 0 0 rgBT /Overlock 1 755, 1-6.	3.8	6
155	A new sensitive electrochemical method for the determination of vanadium(IV) and vanadium(V) in Benfield sample. Talanta, 2015, 132, 541-547.	5.5	10
156	Ultra-trace level electrochemical sensor for methylene blue dye based on nafion stabilized ibuprofen derived gold nanoparticles. Sensors and Actuators B: Chemical, 2015, 208, 320-326.	7.8	51
157	Design, Synthesis, Characterization of Novel Ruthenium(II) Catalysts: Highly Efficient and Selective Hydrogenation of Cinnamaldehyde to (E)-3-Phenylprop-2-en-1-ol. Molecules, 2014, 19, 5965-5980.	3.8	3
158	Chemical composition and Biological studies of Ficus benjamina. Chemistry Central Journal, 2014, 8, 12.	2.6	39
159	Electrochemical and photochemical routes to semiconducting transition metal-tetracyanoquinodimethane coordination polymers. Coordination Chemistry Reviews, 2014, 268, 101-142.	18.8	66
160	Synthesis and characterization of microstructured sheets of semiconducting Ca[TCNQ]2 via redox-driven solid-solid phase transformation of TCNQ microcrystals. Journal of Solid State Electrochemistry, 2014, 18, 851-859.	2.5	3
161	Substitution of CO Ligand by P(OPh)3 in Radical Cations of the Cymantrene Family: Relationships of Substitution Rates to E1/2 Values and Carbonyl IR Frequencies. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 137-144.	3.7	12
162	Heterotrimetallic Ru(II)/Pd(II)/Ru(II) complexes: Synthesis, crystalstructure, spectral characterization, DFT calculation and antimicrobial study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 273-282.	3.9	17

#	Article	IF	Citations
163	A systematic study of the variation of tetrathiafulvalene (TTF), TTF⁺Ë™ and TTF²⁺ reaction pathways with water in the presence and absence of light. RSC Advances, 2014, 4, 49789-49795.	3.6	16
164	Role of Water in the Dynamic Disproportionation of Zn-Based TCNQ(F4) Coordination Polymers (TCNQ) Tj ETQq0 0 0 rgBT /Overlock 10	4.0	10
165	Solid-State Electrochemistry of a Semiconducting MMX-Type Diplatinum Iodide Chain Complex. Inorganic Chemistry, 2014, 53, 4022-4028.	4.0	7
166	l-cysteine protected copper nanoparticles as colorimetric sensor for mercuric ions. Talanta, 2014, 130, 415-422.	5.5	106
167	Electrochemically Directed Synthesis of Cu₂^I(TCNQF₄^{IIâ€“})(MeCN)₂ (TCNQF₄ = 2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane): Voltammetry, Simulations, Bulk Electrolysis, Spectroscopy, Photoactivity, and X-ray Crystal Structure of the Cu₂^I(TCNQF₄^{IIâ€“})(EtCN)₂ Analogue. Inorganic Chemistry, 2014, 53, 3230-3242.	4.0	22
168	Aggregation of a Dibenzo[b,def]chrysene Based Organic Photovoltaic Material in Solution. Journal of Physical Chemistry B, 2014, 118, 6839-6849.	2.6	8
169	Crystal structure of 2-phenoxyethyl 2-hydroxybenzoate, C15H14O4. Zeitschrift Fur Kristallographie - New Crystal Structures, 2014, 229, .	0.3	0
170	Copper vanadate nanowires-based MIS capacitors: synthesis, characterization, and their electrical charge storage applications. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	3
171	Kinetic and thermodynamic interplay of cation ingress and egress at a TCNQ-modified electrode in contact with aqueous electrolyte mixtures containing Co(II) and Ni(II) cations. Journal of Solid State Electrochemistry, 2013, 17, 1609-1620.	2.5	7
172	A ferrocenyl-substituted 1,2,4-triazole ligand and its FeII, NiII and CuII 1D-chain complexes. Dalton Transactions, 2013, 42, 10326.	3.3	14
173	The facile assembly of bis-, tris- and poly(triazaphosphole) systems using â€œclickâ€•chemistry. Dalton Transactions, 2013, 42, 7775.	3.3	20
174	Observation of Ferromagnetic Exchange, Spin Crossover, Reductively Induced Oxidation, and Field-Induced Slow Magnetic Relaxation in Monomeric Cobalt Nitroxides. Inorganic Chemistry, 2013, 52, 7557-7572.	4.0	61
175	Redox Activity and Two-Step Valence Tautomerism in a Family of Dinuclear Cobalt Complexes with a Spiroconjugated Bis(dioxolene) Ligand. Journal of the American Chemical Society, 2013, 135, 8304-8323.	13.7	102
176	Characterization of Newly Synthesized ZrFe2O5Nanomaterial and Investigations of Its Tremendous Photocatalytic Properties under Visible Light Irradiation. Journal of Nanomaterials, 2013, 2013, 1-6.	2.7	10
177	A Combined Voltammetric and Synchrotron Radiation-Grazing Incidence X-ray Diffraction Study of the Electrocrystallization of Zinc Tetracyanoquinodimethane. Australian Journal of Chemistry, 2012, 65, 236.	0.9	1
178	Novel Semiconducting Biomaterials Derived from a Proline Ester and Tetracyanoquinodimethane Identified by Handpicked Selection of Individual Crystals. Australian Journal of Chemistry, 2012, 65, 935.	0.9	1
179	Voltammetric reduction and re-oxidation of solid coordination polymers of dihydroxybenzoquinone. Chemical Communications, 2012, 48, 11422.	4.1	27
180	Electrochemically Directed Synthesis of Co²⁺ and Ni²⁺ Complexes with TCNQF₄^{2â€“} (TCNQF₄ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (2,3,5,6â€Tetrafluoroâ€7, 2012, 5534-5541.	2.0	9

#	Article	IF	Citations
181	Redox and Acidâ€“Base Chemistry of 7,7,8,8-Tetracyanoquinodimethane, 7,7,8,8-Tetracyanoquinodimethane Radical Anion, 7,7,8,8-Tetracyanoquinodimethane Dianion, and Dihydro-7,7,8,8-Tetracyanoquinodimethane in Acetonitrile. Analytical Chemistry, 2012, 84, 2343-2350.	6.5	22
182	Electrochemical Synthesis and Characterization of Semiconducting Ni(TCNQF4)2(H2O)2 (TCNQF4 =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2012, 2889-2897.	2.0	15
183	Electrode Kinetics Associated with Tetracyanoquinodimethane (TCNQ), TCNQ^{â€¢â€“}, and TCNQ^{2â€“} Redox Chemistry in Acetonitrile As Determined by Analysis of Higher Harmonic Components Derived from Fourier Transformed Large Amplitude ac Voltammetry. Journal of Physical Chemistry C, 2011, 115, 24153-24163.	3.1	27
184	Anion Dependent Redox Changes in Iron Bis-terdentate Nitroxide {NNO} Chelates. Inorganic Chemistry, 2011, 50, 3052-3064.	4.0	37
185	Detailed Electrochemical Analysis of the Redox Chemistry of Tetrafluorotetracyanoquinodimethane TCNQF4, the Radical Anion [TCNQF4]â€¢â€“, and the Dianion [TCNQF4]2â€“in the Presence of Trifluoroacetic Acid. Analytical Chemistry, 2011, 83, 6731-6737.	6.5	38
186	Direct synthesis and stabilization of Bi-sized cysteine-derived gold nanoparticles: Reduction catalyst for methylene blue. Journal of the Iranian Chemical Society, 2011, 8, S34-S43.	2.2	20
187	A flow cell for transient voltammetry and in situ grazing incidence X-ray diffraction characterization of electrocrystallized cadmium(II) tetracyanoquinodimethane. Electrochimica Acta, 2011, 56, 1546-1553.	5.2	14
188	The formation of gold nanoparticles using hydroquinone as a reducing agent through a localized pH change upon addition of NaOH to a solution of HAuCl4. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 370, 35-41.	4.7	50
189	Anodic Reaction of Co(Î·⁵-C₅H₅)(CO)(PPh₃): An Oxidatively Induced Ligand Exchange Involving a 17 e^{â^™}/18 e^{â^™} Redox Pair. Organometallics, 2010, 29, 4276-4281.	2.3	10
190	Electrochemical studies with dissolved and surface-confined forms of neo-pentyl-ferrocene-based polyesters utilising [NBu4][B(C6F5)4] and other electrolytes. Journal of Solid State Electrochemistry, 2009, 13, 1511-1519.	2.5	11
191	Voltammetric behavior of microparticles and thin films of neo-pentyl-ferrocene-based polyester (PmFB): Manipulation of anion uptake at the ionic liquid/aqueous electrolyte interface. Electrochemistry Communications, 2009, 11, 1838-1841.	4.7	1
192	One-Electron Oxidation of Ruthenocene: Reactions of the Ruthenocenium Ion in Gentle Electrolyte Media. Inorganic Chemistry, 2009, 48, 2156-2165.	4.0	118
193	New Family of Ferric Spin Clusters Incorporating Redox-Active ortho-Dioxolene Ligands. Inorganic Chemistry, 2009, 48, 7765-7781.	4.0	19
194	Electrochemically-Induced TCNQ/Mn[TCNQ]₂(H₂O)₂(TCNQ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Processes That Allow Selective Generation of Nanofiber or Nanorod Network Morphologies. Inorganic Chemistry, 2009, 48, 9258-9270.	4.0	14
195	Neo-Pentyl-Ferrocene Based Electroactive Polyesters. Journal of Inorganic and Organometallic Polymers and Materials, 2008, 18, 485-490.	3.7	5
196	AFM study of morphological changes associated with electrochemical solidâ€“solid transformation of three-dimensional crystals of TCNQ to metal derivatives (metalâ€‰=â€‰Cu, Co, Ni;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 [illegible] Td (TCN	2.5	37
197	[Re(Î·5-C5H5)(CO)3]+Family of 17-Electron Compounds:Â Monomer/Dimer Equilibria and Other Reactions. Journal of the American Chemical Society, 2008, 130, 2692-2703.	13.7	69
198	Controllable Synthesis and Fabrication of Semiconducting Nanorod/Nanowire Bundles of Fe[TCNQ]₂(H₂O)₂via Electrochemically Induced Solidâ^'Solid Phase Transformation of TCNQ Microcrystals. Journal of Physical Chemistry C, 2008, 112, 6700-6709.	3.1	25

#	Article	IF	Citations
199	Characterization of the Successive One-Electron Oxidation Products of the Dicobalt Fulvalenediyl (Fv) Compound Co₂Fv(CO)₄ and its Phosphine-Substituted Product. Organometallics, 2008, 27, 5624-5631.	2.3	90
200	Preparation of Metalâ^'TCNQ Charge-Transfer Complexes on Conducting and Insulating Surfaces by Photocrystallization. Journal of the American Chemical Society, 2007, 129, 2066-2073.	13.7	98
201	Tuning the Electrocrystallization Parameters of Semiconducting Co[TCNQ]2-Based Materials To Yield either Single Nanowires or Crystalline Thin Films. Journal of the American Chemical Society, 2007, 129, 2369-2382.	13.7	75
202	Redox-Induced Solidâ^'Solid Phase Transformation of TCNQ Microcrystals into Semiconducting Ni[TCNQ]2(H2O)2Nanowire (Flowerlike) Architectures:Â A Combined Voltammetric, Spectroscopic, and Microscopic Study. Inorganic Chemistry, 2007, 46, 4128-4137.	4.0	29
203	Voltammetric, Spectroscopic, and Microscopic Investigations of Electrocrystallized Forms of Semiconducting AgTCNQ (TCNQ = 7,7,8,8-Tetracyanoquinodimethane) Exhibiting Different Morphologies and Colors. Chemistry of Materials, 2007, 19, 5499-5509.	6.7	40
204	Hyperelectronic Metalâ^'Carborane Analogues of Cymantrene (MnCp(CO)₃) Anions:â€‰ Electronic and Structural Noninnocence of the Tricarbadecaboranyl Ligand. Organometallics, 2007, 26, 4471-4482.	2.3	24
205	Manipulating the Electrolyte Medium to Favor Either One-Electron or Two-Electron Oxidation Pathways for (Fulvalendiyl)dirhodium Complexes. Organometallics, 2006, 25, 1654-1663.	2.3	59
206	Electrochemical Oxidation of CoCp(CO)2:Â Radicalâ^'Substrate Reaction of a 17 e-/18 e-Pair and Production of a Unique Dimer Radical. Journal of the American Chemical Society, 2006, 128, 16587-16599.	13.7	57
207	Morphology Changes and Mechanistic Aspects of the Electrochemically-Induced Reversible Solidâ^'Solid Transformation of Microcrystalline TCNQ into Co[TCNQ]2-Based Materials (TCNQ =) Tj ETQq1 1 0.784314 rgBT /Overloc	6.7	48
208	Anodic Preparation of [Re2Cp2(CO)6]2+:Â A Dimeric Dication that Provides the Powerful One-Electron Oxidant [ReCp(CO)3]+. Journal of the American Chemical Society, 2005, 127, 15676-15677.	13.7	34
209	Electrochemical Preparation of the Bis(ruthenocenium) Dication. Inorganic Chemistry, 2003, 42, 5480-5482.	4.0	68
210	Characterization and Reactions of Previously Elusive 17-Electron Cations:â€‰ Electrochemical Oxidations of (C6H6)Cr(CO)3 and (C5H5)Co(CO)2 in the Presence of [B(C6F5)4]-. Journal of the American Chemical Society, 2002, 124, 7260-7261.	13.7	76
211	Electrochemistry of the bis(1,4,7-triazacyclodecane) cobalt(III) complex and its role in the catalytic reduction of hydrogen. Polyhedron, 1998, 17, 4535-4541.	2.2	16
212	Facile Co 3 O 4 nanoparticles deposited on polyvinylpyrrolidine for efficient water oxidation in alkaline media. Journal of the Chinese Chemical Society, 0, , .	1.4	0
213	Role of cobalt precursors in the synthesis of <scp> Co ₃ O ₄ </scp> hierarchical nanostructures toward the development of cobaltâ€based functional electrocatalysts for bifunctional water splitting in alkaline and acidic media. Journal of the Chinese Chemical Society, 0, , .	1.4	1
214	Utilization of polyvinyl amine hydrolysis product in enhancing the catalytic properties of Co3O4 nanowires: toward potentiometric glucose bio-sensing application. Journal of Materials Science: Materials in Electronics, 0, , 1.	2.2	0