Hadi Hosseini

List of Publications by Year
in descending order

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Version: 2024-02-01

51 papers	2,704 citations	186265 28 h-index	182427 51 g-index
51 all docs	51 docs citations	51 times ranked	3008 citing authors

#	Article	IF	Citations
1	A novel electrochemical sensor based on metal-organic framework for electro-catalytic oxidation of L-cysteine. Biosensors and Bioelectronics, 2013, 42, 426-429.	10.1	253
2	Au-SH-SiO2 nanoparticles supported on metal-organic framework (Au-SH-SiO2@Cu-MOF) as a sensor for electrocatalytic oxidation and determination of hydrazine. Electrochimica Acta, 2013, 88, 301-309.	5.2	188
3	Adsorption Properties of Tetracycline onto Graphene Oxide: Equilibrium, Kinetic and Thermodynamic Studies. PLoS ONE, 2013, 8, e79254.	2.5	151
4	Self-supported nanoporous Znâ€“Niâ€“Co/Cu selenides microball arrays for hybrid energy storage and electrocatalytic water/urea splitting. Chemical Engineering Journal, 2019, 375, 122090.	12.7	138
5	Advanced binder-free electrode based on coreâ€“shell nanostructures of mesoporous Co3V2O8-Ni3V2O8 thin layers@porous carbon nanofibers for high-performance and flexible all-solid-state supercapacitors. Chemical Engineering Journal, 2018, 341, 10-26.	12.7	131
6	Hybrid energy storage device from binder-free zinc-cobalt sulfide decorated biomass-derived carbon microspheres and pyrolyzed polyaniline nanotube-iron oxide. Energy Storage Materials, 2020, 25, 621-635.	18.0	124
7	Electrochemical immunosensor with Cu2O nanocube coating for detection of SARS-CoV-2 spike protein. Mikrochimica Acta, 2021, 188, 105.	5.0	101
8	Direct growth of metal-organic frameworks thin film arrays on glassy carbon electrode based on rapid conversion step mediated by copper clusters and hydroxide nanotubes for fabrication of a high performance non-enzymatic glucose sensing platform. Biosensors and Bioelectronics, 2018, 112, 100-107.	10.1	92
9	Vanadium dioxide-anchored porous carbon nanofibers as a Na+ intercalation pseudocapacitance material for development of flexible and super light electrochemical energy storage systems. Applied Materials Today, 2018, 10, 72-85.	4.3	88
10	Ternary nickel cobalt iron sulfides ultrathin nanosheets grown on 3-D nickel nanocone arraysâ€‘nickel plate current collector as a binder free electrode for fabrication of highly performance supercapacitors. Journal of Electroanalytical Chemistry, 2018, 810, 78-85.	3.8	81
11	Ordered carbohydrate-derived porous carbons immobilized gold nanoparticles as a new electrode material for electrocatalytical oxidation and determination of nicotinamide adenine dinucleotide. Biosensors and Bioelectronics, 2014, 59, 412-417.	10.1	80
12	In Situ Two-Step Preparation of 3D NiCo-BTC MOFs on a Glassy Carbon Electrode and a Graphitic Screen Printed Electrode as Nonenzymatic Glucose-Sensing Platforms. ACS Sustainable Chemistry and Engineering, 2020, 8, 14340-14352.	6.7	73
13	Rational design of hollow core-double shells hybrid nanoboxes and nanopipes composed of hierarchical Cu-Ni-Co selenides anchored on nitrogenâ€doped carbon skeletons as efficient and stable bifunctional electrocatalysts for overall water splitting. Chemical Engineering Journal, 2020, 402, 126174.	12.7	69
14	A nanostructured ion-imprinted polymer for the selective extraction and preconcentration of ultra-trace quantities of nickel ions. Mikrochimica Acta, 2012, 178, 429-437.	5.0	66
15	Advanced on-site glucose sensing platform based on a new architecture of free-standing hollow Cu(OH)‹sub›2‹/sub›nanotubes decorated with CoNi-LDH nanosheets on graphite screen-printed electrode. Nanoscale, 2019, 11, 12655-12671.	5.6	63
16	Mesoporous MnNiCoO4@MnO2 core-shell nanowire/nanosheet arrays on flexible carbon cloth for high-performance supercapacitors. Electrochimica Acta, 2016, 222, 505-517.	5.2	61
17	Fabrication of a sensitive and fast response electrochemical glucose sensing platform based on co-based metal-organic frameworks obtained from rapid in situ conversion of electrodeposited cobalt hydroxide intermediates. Talanta, 2020, 210, 120696.	5.5	60
18	Electrocatalytic oxidation of hydrazine at glassy carbon electrode modified with ethylenediamine cellulose immobilized palladium nanoparticles. Journal of Electroanalytical Chemistry, 2013, 690, 96-103.	3.8	59

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19	Pd and PdCo alloy nanoparticles supported on polypropylenimine dendrimer-grafted graphene: A highly efficient anodic catalyst for direct formic acid fuel cells. Journal of Power Sources, 2014, 247, 70-77.	7.8	59
20	Nonenzymatic glucose and hydrogen peroxide sensors based on catalytic properties of palladium nanoparticles/poly(3,4-ethylenedioxythiophene) nanofibers. Sensors and Actuators B: Chemical, 2014, 195, 85-91.	7.8	59
21	Direct growth of nickel-cobalt oxide nanosheet arrays on carbon nanotubes integrated with binder-free hydrothermal carbons for fabrication of high performance asymmetric supercapacitors. Composites Part B: Engineering, 2019, 172, 41-53.	12.0	59
22	A novel bioelectrochemical sensing platform based on covalently attachment of cobalt phthalocyanine to graphene oxide. Biosensors and Bioelectronics, 2014, 52, 136-142.	10.1	51
23	An efficient two-step approach for improvement of graphene aerogel characteristics in preparation of supercapacitor electrodes. Journal of Energy Storage, 2018, 17, 465-473.	8.1	49
24	An electrochemical immunosensor using SARS-CoV-2 spike protein-nickel hydroxide nanoparticles bio-conjugate modified SPCE for ultrasensitive detection of SARSâ€CoVâ€2 antibodies. Microchemical Journal, 2021, 170, 106718.	4.5	47
25	Cobalt based Metal Organic Framework/Graphene nanocomposite as high performance battery-type electrode materials for asymmetric Supercapacitors. Journal of Energy Storage, 2021, 33, 101925.	8.1	44
26	Fabrication of novel redox-active poly (4,5-dihydro-1,3-thiazol-2-ylsulfanyl-3-methyl-1,2-benzenediol)-gold nanoparticles film on MWCNTs modified electrode: Application as the electrochemical sensor for the determination of hydrazine. Sensors and Actuators B: Chemical, 2015, 213, 82-91.	7.8	35
27	Synthesis of Nano-Flower Metalâ€“Organic Framework/Graphene Composites As a High-Performance Electrode Material for Supercapacitors. Journal of Electronic Materials, 2019, 48, 7011-7024.	2.2	34
28	Synergistic effect of Ni-based metal organic framework with graphene for enhanced electrochemical performance of supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 12351-12363.	2.2	33
29	Facile synthesis of a covalent organic framework (COF) based on the reaction of melamine and trimesic acid incorporated electrospun nanofiber and its application as an electrochemical tyrosinamide aptasensor. New Journal of Chemistry, 2020, 44, 14922-14927.	2.8	28
30	Electrochemistry of raloxifene on glassy carbon electrode and its determination in pharmaceutical formulations and human plasma. Bioelectrochemistry, 2012, 88, 164-170.	4.6	27
31	Hierarchical hollow sea-urchin-like Niâ€“Co diselenide encapsulated in N-doped carbon networks as an advanced core-shell bifunctional electrocatalyst for fabrication of nonenzymatic glucose and hydrogen peroxide sensors. Sensors and Actuators B: Chemical, 2020, 324, 128730.	7.8	26
32	Advanced core-shell nanostructures based on porous NiCo-P nanodiscs shelled with NiCo-LDH nanosheets as a high-performance electrochemical sensing platform. Electrochimica Acta, 2020, 362, 137218.	5.2	25
33	Hierarchical nickel hydroxide nanosheets grown on hollow nitrogen doped carbon nanoboxes as a high-performance surface substrate for alpha-fetoprotein cancer biomarkers electrochemical aptasensing. Talanta, 2022, 237, 122924.	5.5	25
34	Label-free electrochemical aptasensor for rapid detection of SARS-CoV-2 spike glycoprotein based on the composite of Cu(OH)2 nanorods arrays as a high-performance surface substrate. Bioelectrochemistry, 2022, 146, 108106.	4.6	25
35	Design of an electrochemical aptasensor based on porous nickelâ€cobalt phosphide nanodiscs for the impedimetric determination of ractopamine. Journal of Electroanalytical Chemistry, 2020, 877, 114557.	3.8	22
36	Hollow carbon nanocapsules-based nitrogen-doped carbon nanofibers with rosary-like structure as a high surface substrate for impedimetric detection of Pseudomonas aeruginosa. Talanta, 2021, 223, 121700.	5.5	19

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37	Three-dimensional NiCo2O4 nanowires encapsulated in nitrogen-doped carbon networks as a high-performance aptamer stabilizer for impedimetric ultrasensitive detection of hepatitis C virus core antigen. Surfaces and Interfaces, 2021, 22, 100813.	3.0	18
38	Two-Dimensional Mesoporous Copper Hydroxide Nanosheets Shelled on Hollow Nitrogen-Doped Carbon Nanoboxes as a High Performance Aptasensing Platform. ACS Sustainable Chemistry and Engineering, 2021, 9, 11080-11090.	6.7	18
39	A novel ultrasensitive biosensor based on NiCo-MOF nanostructure and confined to flexible carbon nanofibers with high-surface skeleton to rapidly detect Helicobacter pylori. Materials Science in Semiconductor Processing, 2022, 139, 106351.	4.0	17
40	Rationally designed of hollow nitrogen doped carbon nanotubes double shelled with hierarchical nickel hydroxide nanosheet as a high performance surface substrate for cortisol aptasensing. Electrochimica Acta, 2021, 388, 138608.	5.2	16
41	Yellowâ€“Orange Electroluminescence of Novel Tin Complexes. Journal of Electronic Materials, 2013, 42, 2915-2925.	2.2	12
42	Synergic effect of physically-mixed metal organic framework based electrodes as a high efficient material for supercapacitors. Journal of Energy Storage, 2021, 44, 103248.	8.1	12
43	Water-Soluble Metalâ€“Organic Framework Hybrid Electron Injection Layer for Organic Light-Emitting Devices. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1800-1805.	3.7	11
44	Metalâ€“organic framework-derived CoNi-P nanoparticles confined into flexible carbon nanofibers skeleton as high-performance oxygen reduction reaction catalysts. Surfaces and Interfaces, 2021, 25, 101207.	3.0	10
45	Electrochemical study and differential pulse voltammetric determination of oxcarbazepine and its main metabolite at a glassy carbon electrode. Analytical Methods, 2014, 6, 850-856.	2.7	8
46	Thionine functionalized hollow N-doped carbon nanoboxes: As a high-performance substrate for fabrication of label-free electrochemical aptasensor toward ultrasensitive detection of carcinoembryonic antigen. Journal of Electroanalytical Chemistry, 2021, 903, 115858.	3.8	8
47	Metal-organic frameworks-derived Zn-Ni-P nanostructures as high performance electrode materials for electrochemical sensing. Journal of Electroanalytical Chemistry, 2022, 918, 116441.	3.8	8
48	Gold nanostructures integrated on hollow carbon N-doped nanocapsules as a novel high-performance aptasensing platform for Helicobacter pylori detection. Journal of Materials Science, 2022, 57, 589-597.	3.7	7
49	Amorphous Ni(OH)2 nano-boxes as a high performance substrate for aptasensor application. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110649.	5.0	6
50	Synthesis and characterization of NiCo-X (X = OH, S, Se, P) nanodiscs and comparison of their electrocatalytic performances in an electrochemical sensing platform. New Journal of Chemistry, 2022, 46, 14616-14625.	2.8	5
51	Electrochemical Synthesis of Poly(N-phenylglycine) and Characterization by Cyclic Voltammetry. Polymer-Plastics Technology and Engineering, 2012, 51, 221-224.	1.9	3