

# Hassan Karimi-Maleh

## List of Publications by Year in descending order

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Version: 2024-02-01

384  
papers

25,667  
citations

4658

85  
h-index

9861

141  
g-index

397  
all docs

397  
docs citations

397  
times ranked

10576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of methanol decomposition on the Cu-Embedded graphene: A DFT study. International Journal of Hydrogen Energy, 2023, 48, 6624-6637.	7.1	17
2	Highly active PdPt bimetallic nanoparticles synthesized by one-step bioreduction method: Characterizations, anticancer, antibacterial activities and evaluation of their catalytic effect for hydrogen generation. International Journal of Hydrogen Energy, 2023, 48, 6666-6679.	7.1	44
3	Highly efficient carbon hybrid supported catalysts using nano-architecture as anode catalysts for direct methanol fuel cells. International Journal of Hydrogen Energy, 2023, 48, 6657-6665.	7.1	28
4	Enhanced methanol electrooxidation by electroactivated Pd/Ni(OH) <sub>2</sub> /N-rGO catalyst. International Journal of Hydrogen Energy, 2023, 48, 6680-6690.	7.1	24
5	Hydrogen generation from methanolysis of sodium borohydride using waste coffee oil modified zinc oxide nanoparticles and their photocatalytic activities. International Journal of Hydrogen Energy, 2023, 48, 6613-6623.	7.1	25
6	Metal-Organic Framework Based Electrochemical Immunosensor for Label-Free Detection of Glial Fibrillary Acidic Protein as a Biomarker. Industrial & Engineering Chemistry Research, 2023, 62, 4532-4539.	3.7	14
7	Fabrication of Electrochemical Sensor for Epinine Determination Amplified with MgO/CNTs Nanocomposite and Ionic Liquid. Current Analytical Chemistry, 2022, 18, 125-132.	1.2	4
8	Utilization of a double-cross-linked amino-functionalized three-dimensional graphene networks as a monolithic adsorbent for methyl orange removal: Equilibrium, kinetics, thermodynamics and artificial neural network modeling. Environmental Research, 2022, 207, 112156.	7.5	90
9	Cyanazine herbicide monitoring as a hazardous substance by a DNA nanostructure biosensor. Journal of Hazardous Materials, 2022, 423, 127058.	12.4	294
10	The surfactant-ionic liquid bi-functionalization of chitosan beads for their adsorption performance improvement toward Tartrazine. Environmental Research, 2022, 204, 111961.	7.5	41
11	Production of bioethanol from carrot pulp in the presence of <i>Saccharomyces cerevisiae</i> and beet molasses inoculum; A biomass based investigation. Chemosphere, 2022, 286, 131688.	8.2	31
12	Novel enzymatic graphene oxide based biosensor for the detection of glutathione in biological body fluids. Chemosphere, 2022, 287, 132187.	8.2	160
13	The potential of electrochemistry for one-pot and sensitive analysis of patent blue V, tartrazine, acid violet 7 and ponceau 4R in foodstuffs using IL/Cu-BTC MOF modified sensor. Food Chemistry, 2022, 368, 130811.	8.2	43
14	Removal of metal ions using a new magnetic chitosan nano-bio-adsorbent; A powerful approach in water treatment. Environmental Research, 2022, 203, 111753.	7.5	185
15	Assessment of heavy metal contamination and its sources in urban soils of district Hyderabad, Pakistan using GIS and multivariate analysis. International Journal of Environmental Science and Technology, 2022, 19, 7901-7913.	3.5	8
16	An overview of the applications of ionic fluids and deep eutectic solvents enhanced by nanoparticles. Journal of Thermal Analysis and Calorimetry, 2022, 147, 7589-7601.	3.6	9
17	Investigation of antibacterial, antifungal, antibiofilm, antioxidant and anticancer properties of methanol extracts of <i>Salvia marashica</i> A.İ.Şim, Celep & Doğan and <i>Salvia caespitosa</i> Montbret & Aucher ex Benth plants with medicinal importance. Chemosphere, 2022, 288, 132602.	8.2	11
18	Study on particle radiative properties of lignite, hard coal and biomass fly ashes in the infrared wavelength range. Chemosphere, 2022, 291, 132719.	8.2	3

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19	Simultaneous improvements in antibacterial and flame retardant properties of PET by use of bio-nanotechnology for fabrication of high performance PET bionanocomposites. <i>Environmental Research</i> , 2022, 206, 112281.	7.5	14
20	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2022, 291, 133006.	8.2	54
21	Polyaniline-Manganese Ferrite Supported Platinum-Ruthenium Nanohybrid Electrocatalyst: Synergizing Tailoring Toward Boosted Ethanol Oxidation Reaction. <i>Topics in Catalysis</i> , 2022, 65, 716-725.	2.8	29
22	Pathogenic potential and phytotoxic effects of <i>Coniolaria gamsii</i> Iran 2506C on Iranian knapweed ( <i>Centaurea depressa</i> ). <i>Chemosphere</i> , 2022, 291, 133061.	8.2	4
23	A green and sensitive guanine-based DNA biosensor for idarubicin anticancer monitoring in biological samples: A simple and fast strategy for control of health quality in chemotherapy procedure confirmed by docking investigation. <i>Chemosphere</i> , 2022, 291, 132928.	8.2	194
24	Identification of heavy metal ions from aqueous environment through gold, Silver and Copper Nanoparticles: An excellent colorimetric approach. <i>Environmental Research</i> , 2022, 205, 112475.	7.5	79
25	Congo red dye removal from aqueous environment by cationic surfactant modified-biomass derived carbon: Equilibrium, kinetic, and thermodynamic modeling, and forecasting via artificial neural network approach. <i>Chemosphere</i> , 2022, 290, 133346.	8.2	175
26	Fe <sub>3</sub> O <sub>4</sub> @Au-rGO Nanocomposite/Ionic Liquid Modified Sensor for Ultrasensitive and Selective Sensing of Doxorubicin. <i>Topics in Catalysis</i> , 2022, 65, 633-642.	2.8	11
27	Will MXenes be the Next Two-Dimensional Material Candidate for Biosensing?. <i>Current Pharmaceutical Analysis</i> , 2022, 18, .	0.6	1
28	Properties and Recent Advantages of N,N'-dialkylimidazolium-ion Liquids Application in Electrochemistry. <i>Current Analytical Chemistry</i> , 2022, 18, 31-52.	1.2	11
29	Electrochemical Modified Based Sensors: A New Approach for Analytical Chemistry. <i>Current Analytical Chemistry</i> , 2022, 18, 4-5.	1.2	0
30	Recent advances in Ponceau dyes monitoring as food colorant substances by electrochemical sensors and developed procedures for their removal from real samples. <i>Food and Chemical Toxicology</i> , 2022, 161, 112830.	3.6	117
31	Plant extract-based green fabrication of nickel ferrite (NiFe <sub>2</sub> O <sub>4</sub> ) nanoparticles: An operative platform for non-enzymatic determination of pentachlorophenol. <i>Chemosphere</i> , 2022, 294, 133760.	8.2	35
32	Pomegranate <i>Punica granatum</i> peel waste as a naked-eye natural colorimetric sensor for the detection and determination of Fe <sup>3+</sup> and I <sup>-</sup> ions in water. <i>Chemosphere</i> , 2022, 294, 133759.	8.2	13
33	Cerium functionalized graphene nano-structures and their applications; A review. <i>Environmental Research</i> , 2022, 208, 112685.	7.5	36
34	Spatial analysis and human health risk assessment of elements in ground water of District Hyderabad, Pakistan using ArcGIS and multivariate statistical analysis. <i>Environmental Research</i> , 2022, 210, 112915.	7.5	19
35	Electrochemical quantification of mancozeb through tungsten oxide/reduced graphene oxide nanocomposite: A potential method for environmental remediation. <i>Food and Chemical Toxicology</i> , 2022, 161, 112843.	3.6	124
36	Advanced integrated nanocatalytic routes for converting biomass to biofuels: A comprehensive review. <i>Fuel</i> , 2022, 314, 122762.	6.4	28

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37	Ultrasensitive and highly selective turn-on fluorescent sensor for the detection and measurement of melatonin in juice samples. <i>Chemosphere</i> , 2022, 295, 133869.	8.2	14
38	Nanotechnology-Abetted Astaxanthin Formulations in Multimodel Therapeutic and Biomedical Applications. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2-36.	6.4	31
39	Monitoring of Butylated Hydroxyanisole in Food and Wastewater Samples Using Electroanalytical Two-Fold Amplified Sensor. <i>Sustainability</i> , 2022, 14, 2169.	3.2	4
40	Nanochemistry approach for the fabrication of Fe and N co-decorated biomass-derived activated carbon frameworks: a promising oxygen reduction reaction electrocatalyst in neutral media. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 429-439.	9.1	171
41	Surface modification of TiO <sub>2</sub> by adding V <sub>2</sub> O <sub>5</sub> nanocatalytic system for hydrogen generation. <i>Chemical Engineering Research and Design</i> , 2022, 182, 114-119.	5.6	16
42	A zinc oxide nanorods/molybdenum disulfide nanosheets hybrid as a sensitive and reusable electrochemical sensor for determination of anti-retroviral agent indinavir. <i>Chemosphere</i> , 2022, 300, 134430.	8.2	21
43	Fast and Unique Electrochemical Sensor Amplified with MgO/CNTs and Ionic Liquid for Monitoring of Isuprel in Pharmaceutical and Biological Fluid Samples. <i>Topics in Catalysis</i> , 2022, 65, 739-746.	2.8	4
44	Molecular docking and optical sensor studies based on 2,4-diamino pyrimidine-5-carbonitriles for detection of Hg <sup>2+</sup> . <i>Environmental Research</i> , 2022, 212, 113245.	7.5	7
45	Nanomaterials: An alternative source for biodegradation of toxic dyes. <i>Food and Chemical Toxicology</i> , 2022, 164, 112996.	3.6	47
46	Facile bio-fabrication of Pd-Ag bimetallic nanoparticles and its performance in catalytic and pharmaceutical applications: Hydrogen production and in-vitro antibacterial, anticancer activities, and model development. <i>Chemical Engineering Research and Design</i> , 2022, 180, 254-264.	5.6	25
47	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection. <i>Food and Chemical Toxicology</i> , 2022, 164, 112961.	3.6	231
48	Determination of D&C Red 33 and Patent Blue V Azo dyes using an impressive electrochemical sensor based on carbon paste electrode modified with ZIF-8/g-C <sub>3</sub> N <sub>4</sub> /Co and ionic liquid in mouthwash and toothpaste as real samples. <i>Food and Chemical Toxicology</i> , 2022, 162, 112907.	3.6	231
49	The synthesis of Pt doped WO <sub>3</sub> nanosheets and application on colorimetric detection of cysteine by naked eye using response surface methodology for optimization. <i>Environmental Research</i> , 2022, 212, 113246.	7.5	3
50	Valorisation of nuts biowaste: Prospects in sustainable bio(nano)catalysts and environmental applications. <i>Journal of Cleaner Production</i> , 2022, 347, 131220.	9.3	71
51	Electrochemical detection of Sudan red series azo dyes: Bibliometrics based analysis. <i>Food and Chemical Toxicology</i> , 2022, 163, 112960.	3.6	32
52	Recent advantages in electrochemical monitoring for the analysis of amaranth and carminic acid as food color. <i>Food and Chemical Toxicology</i> , 2022, 163, 112929.	3.6	50
53	Magnetic-MXene-based nanocomposites for water and wastewater treatment: A review. <i>Journal of Water Process Engineering</i> , 2022, 47, 102696.	5.6	83
54	A review on magnetic sensors for monitoring of hazardous pollutants in water resources. <i>Science of the Total Environment</i> , 2022, 824, 153844.	8.0	191

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55	Characterization and assessment of the photocatalytic activity of ZnO-Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> nanocomposite based on MIL-125(Ti) synthesized by mixed solvo-hydrothermal and sol-gel methods. Journal of Water Process Engineering, 2022, 47, 102750.	5.6	13
56	A novel route to the synthesis of $\text{Fe}_2\text{O}_3@\text{C}@\text{SiO}_2/\text{TiO}_2$ nanocomposite from the metal-organic framework as a photocatalyst for water treatment. Chemosphere, 2022, 297, 133992.	8.2	31
57	Fabrication of activated carbon supported modified with bimetallic-platin ruthenium nano sorbent for removal of azo dye from aqueous media using enhanced ultrasonic wave. Environmental Pollution, 2022, 302, 119033.	7.5	14
58	Magnetic nanoparticles based on cerium MOF supported on the MWCNT as a fluorescence quenching sensor for determination of 6-mercaptopurine. Environmental Pollution, 2022, 305, 119230.	7.5	19
59	An applicable method for extraction of whole seeds protein and its determination through Bradford's method. Food and Chemical Toxicology, 2022, 164, 113053.	3.6	31
60	Preface to the Special Issue on "Electrocatalytic Technologies". Topics in Catalysis, 2022, 65, 563.	2.8	1
61	An improved electrochemical sensor based on triton X-100 functionalized SnO <sub>2</sub> nanoparticles for ultrasensitive determination of cadmium. Chemosphere, 2022, 300, 134634.	8.2	12
62	Relationship between graphene and pedosphere: A scientometric analysis. Chemosphere, 2022, 300, 134599.	8.2	17
63	A reusable and sensitive electrochemical sensor for determination of idarubicin in environmental and biological samples based on NiFe <sub>2</sub> O <sub>4</sub> nanospheres anchored N-doped graphene quantum dots composite; an electrochemical and molecular docking investigation. Environmental Research, 2022, 212, 113264.	7.5	9
64	Evaluation of Antioxidants Using Electrochemical Sensors: A Bibliometric Analysis. Sensors, 2022, 22, 3238.	3.8	20
65	Advancement in electrochemical strategies for quantification of Brown HT and Carmoisine (Acid Red) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	27
66	Nano-architectural design of TiO <sub>2</sub> for high performance photocatalytic degradation of organic pollutant: A review. Environmental Research, 2022, 212, 113347.	7.5	39
67	Fabrication of sensor based on polyvinyl alcohol functionalized tungsten oxide/reduced graphene oxide nanocomposite for electrochemical monitoring of 4-aminophenol. Environmental Research, 2022, 212, 113372.	7.5	19
68	Hydrogen production and photocatalytic activities from NaBH <sub>4</sub> using trimetallic biogenic PdPtCo nanoparticles: Development of machine learning model. Chemical Engineering Research and Design, 2022, 184, 180-190.	5.6	18
69	Selective oxidation of amaranth dye in soft drinks through tin oxide decorated reduced graphene oxide nanocomposite based electrochemical sensor. Food and Chemical Toxicology, 2022, 165, 113177.	3.6	31
70	Determination of active ingredients in antihypertensive drugs using a novel green HPLC method approach. Chemosphere, 2022, 303, 135053.	8.2	0
71	Advances in Electrochemical Techniques for the Detection and Analysis of Genetically Modified Organisms: An Analysis Based on Bibliometrics. Chemosensors, 2022, 10, 194.	3.6	14
72	A brief review on the recent achievements in electrochemical detection of folic acid. Journal of Food Measurement and Characterization, 2022, 16, 3423-3437.	3.2	3

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73	Electrochemical monitoring of bisphenol-s through nanostructured tin oxide/Nafion/GCE: A solution to environmental pollution. <i>Chemosphere</i> , 2022, 303, 135170.	8.2	8
74	Facile Synthesis of NiO/ZnO nanocomposite as an effective platform for electrochemical determination of carbamazepine. <i>Chemosphere</i> , 2022, 303, 135270.	8.2	8
75	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. <i>Fuel</i> , 2022, 325, 124843.	6.4	14
76	A novel 2-dimensional nanocomposite as a mediator for the determination of doxorubicin in biological samples. <i>Environmental Research</i> , 2022, 213, 113590.	7.5	5
77	Graphdiyne applications in sensors: A bibliometric analysis and literature review. <i>Chemosphere</i> , 2022, 307, 135720.	8.2	8
78	Silica-coated modified magnetic nanoparticles (Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -(BuSO <sub>3</sub> H) <sub>3</sub> ) as an efficient adsorbent for Pd <sup>2+</sup> removal. <i>Chemosphere</i> , 2022, 307, 135622.	8.2	17
79	Spiroindeno-pyridineindoles (SIPIs) as new visible colorimetric pH indicators. <i>Chemosphere</i> , 2022, 306, 135630.	8.2	0
80	A bibliometric analysis of graphene in acetaminophen detection: Current status, development, and future directions. <i>Chemosphere</i> , 2022, 306, 135517.	8.2	12
81	Biomaterials functionalized with nanoclusters of integrin $\alpha$ 5 $\beta$ 1 and syndecan $\alpha$ 1 $\beta$ 1 binding ligands improve cell adhesion and mechanosensing under shear flow conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 313-325.	4.0	4
82	An Overview on SARS-CoV-2 (COVID-19) and Other Human Coronaviruses and Their Detection Capability via Amplification Assay, Chemical Sensing, Biosensing, Immunosensing, and Clinical Assays. <i>Nano-Micro Letters</i> , 2021, 13, 18.	27.0	157
83	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. <i>Chemosphere</i> , 2021, 267, 128871.	8.2	26
84	Biocompatibility and mechanical properties of pigeon bone waste extracted natural nano-hydroxyapatite for bone tissue engineering. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 264, 114950.	3.5	61
85	Recent advances in removal techniques of Cr(VI) toxic ion from aqueous solution: A comprehensive review. <i>Journal of Molecular Liquids</i> , 2021, 329, 115062.	4.9	332
86	Electro-catalytic amplified sensor for determination of N-acetylcysteine in the presence of theophylline confirmed by experimental coupled theoretical investigation. <i>Scientific Reports</i> , 2021, 11, 1006.	3.3	4
87	Nanostructured polyethersulfone nanocomposite membranes for dual protein and dye separation: Lower antifouling with lanthanum (III) vanadate nanosheets as a novel nanofiller. <i>Polymer Testing</i> , 2021, 94, 107040.	4.8	23
88	Editorial: Advances in Analytical Features of Electrochemical Methods for the Analysis of Complicated Real Samples. <i>Frontiers in Chemistry</i> , 2021, 9, 648920.	3.6	1
89	A Silver-Loaded Exfoliated Graphite Nanocomposite Anti-Fouling Electrochemical Sensor for Bisphenol A in Thermal Paper Samples. <i>ACS Omega</i> , 2021, 6, 9401-9409.	3.5	19
90	A New Electrochemical Platform for Dasatinib Anticancer Drug Sensing Using Fe <sub>3</sub> O <sub>4</sub> -SWCNTs/Ionic Liquid Paste Sensor. <i>Micromachines</i> , 2021, 12, 437.	2.9	17

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91	Recent advances in using of chitosan-based adsorbents for removal of pharmaceutical contaminants: A review. <i>Journal of Cleaner Production</i> , 2021, 291, 125880.	9.3	373
92	Novel 1-butyl-3-methylimidazolium bromide impregnated chitosan hydrogel beads nanostructure as an efficient nanobio-adsorbent for cationic dye removal: Kinetic study. <i>Environmental Research</i> , 2021, 195, 110809.	7.5	234
93	Enhanced electrochemical performance and stability of Pt/Ni electrocatalyst supported on SiO <sub>2</sub> -PANI nanocomposite: A combined experimental and theoretical study. <i>Materials Chemistry and Physics</i> , 2021, 262, 124290.	4.0	19
94	Electrochemical Fingerprint Biosensor for Natural Indigo Dye Yielding Plants Analysis. <i>Biosensors</i> , 2021, 11, 155.	4.7	39
95	A new electrochemical method for the detection of quercetin in onion, honey and green tea using Co <sub>3</sub> O <sub>4</sub> modified GCE. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 3720-3730.	3.2	29
96	Improving of CI engine performance using three different types of biodiesel. <i>Chemical Engineering Research and Design</i> , 2021, 149, 977-993.	5.6	14
97	Nanomaterials modified electrodes for electrochemical detection of Sudan I in food. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 3837-3852.	3.2	95
98	A sensitive and fast approach for voltammetric analysis of bisphenol a as a toxic compound in food products using a Pt-SWCNTs/ionic liquid modified sensor. <i>Food and Chemical Toxicology</i> , 2021, 152, 112166.	3.6	14
99	An electrochemical strategy for toxic ractopamine sensing in pork samples; twofold amplified nano-based structure analytical tool. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 4098-4104.	3.2	101
100	Application of deep eutectic solvent and SWCNT-ZrO <sub>2</sub> nanocomposite as conductive mediators for the fabrication of simple and rapid electrochemical sensor for determination of trace anti-migration drugs. <i>Microchemical Journal</i> , 2021, 165, 106141.	4.5	23
101	A novel detection method for organophosphorus insecticide fenamiphos: Molecularly imprinted electrochemical sensor based on core-shell Co <sub>3</sub> O <sub>4</sub> @MOF-74 nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 174-185.	9.4	307
102	High performance of screen-printed graphite electrode modified with Ni@Mo-MOF for voltammetric determination of amaranth. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 4617-4622.	3.2	99
103	Numerical and experimental investigation of natural gas injection effects on NO <sub>x</sub> reburning at the rotary cement kiln exhaust. <i>Chemical Engineering Research and Design</i> , 2021, 151, 290-298.	5.6	12
104	Iran's alarmingly mismanaged zoos. <i>Science</i> , 2021, 373, 501-501.	12.6	1
105	Effects of silver nanoparticles added into polyurea coating on sulfate-reducing bacteria activity and electrochemical properties; an environmental nano-biotechnology investigation. <i>Environmental Research</i> , 2021, 198, 111251.	7.5	10
106	Doxorubicin Anticancer Drug Monitoring by ds-DNA-Based Electrochemical Biosensor in Clinical Samples. <i>Micromachines</i> , 2021, 12, 808.	2.9	26
107	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113252.	10.1	343
108	Early sex determination of Ginkgo biloba based on the differences in the electrocatalytic performance of extracted peroxidase. <i>Bioelectrochemistry</i> , 2021, 140, 107829.	4.6	12



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109	Photocatalytic degradation of organic pollutants, viral and bacterial pathogens using titania nanoparticles. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108688.	3.9	18
110	Analysis of coumarin in food and plant tissue without extraction based on voltammetry of microparticles. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 5439-5444.	3.2	13
111	A europium (III) complex tested for deoxyribonucleic acid-binding, bovine serum albumin binding, and antibacterial activity. <i>Journal of Molecular Liquids</i> , 2021, 335, 116323.	4.9	7
112	An Analytical Method Based on Electrochemical Sensor for the Assessment of Insect Infestation in Flour. <i>Biosensors</i> , 2021, 11, 325.	4.7	8
113	Developing a simple boxâ€œbehnken experimental design on the removal of doxorubicin anticancer drug using Fe <sub>3</sub> O <sub>4</sub> /graphene nanoribbons adsorbent. <i>Environmental Research</i> , 2021, 200, 111522.	7.5	29
114	Recent advances in developing optical and electrochemical sensors for analysis of methamphetamine: A review. <i>Chemosphere</i> , 2021, 278, 130393.	8.2	31
115	Genotypic diversity of 17 cacti species and application to biosynthesis of gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119909.	3.9	3
116	Alginate-modified Cassava Fiber Loaded Palladium for Electrochemical Paracetamol Analysis. <i>International Journal of Electrochemical Science</i> , 2021, 16, 21108.	1.3	3
117	Heterogeneous UV-Switchable Au nanoparticles decorated tungstophosphoric acid/TiO <sub>2</sub> for efficient photocatalytic degradation process. <i>Chemosphere</i> , 2021, 281, 130795.	8.2	178
118	Sensitive and selective electrochemical detection of bisphenol A based on SBA-15 like Cu-PMO modified glassy carbon electrode. <i>Food Chemistry</i> , 2021, 358, 129763.	8.2	43
119	Synthesis of new functionalized Calix[4]arene modified silica resin for the adsorption of metal ions: Equilibrium, thermodynamic and kinetic modeling studies. <i>Journal of Molecular Liquids</i> , 2021, 339, 116741.	4.9	16
120	Biodegradable polymers and their nano-composites for the removal of endocrine-disrupting chemicals (EDCs) from wastewater: A review. <i>Environmental Research</i> , 2021, 202, 111694.	7.5	152
121	Guanine-Based DNA Biosensor Amplified with Pt/SWCNTs Nanocomposite as Analytical Tool for Nanomolar Determination of Daunorubicin as an Anticancer Drug: A Docking/Experimental Investigation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 816-823.	3.7	358
122	An improved non-enzymatic electrochemical sensor amplified with CuO nanostructures for sensitive determination of uric acid. <i>Open Chemistry</i> , 2021, 19, 481-491.	1.9	26
123	Recent Development of Renewable Diesel Production Using Bimetallic Catalysts. <i>Frontiers in Energy Research</i> , 2021, 9, .	2.3	5
124	Sensitive and Selective Electrochemical Detection of Epirubicin as Anticancer Drug Based on Nickel Ferrite Decorated with Gold Nanoparticles. <i>Micromachines</i> , 2021, 12, 1334.	2.9	53
125	Recent Progress in Nanomaterials Modified Electrochemical Biosensors for the Detection of MicroRNA. <i>Micromachines</i> , 2021, 12, 1409.	2.9	61
126	Three-dimensional porous reduced graphene oxide decorated with carbon quantum dots and platinum nanoparticles for highly selective determination of azo dye compound tartrazine. <i>Food and Chemical Toxicology</i> , 2021, 158, 112698.	3.6	110



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127	Editorial: Graphene-Enhanced Electrochemical Sensing Platforms. <i>Frontiers in Chemistry</i> , 2021, 9, 815981.	3.6	1
128	Simultaneous determination of cholesterol, ascorbic acid and uric acid as three essential biological compounds at a carbon paste electrode modified with copper oxide decorated reduced graphene oxide nanocomposite and ionic liquid. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 208-212.	9.4	364
129	An ultrasensitive electroanalytical sensor based on MgO/SWCNTs- 1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide paste electrode for the determination of ferulic acid in the presence sulfite in food samples. <i>Microchemical Journal</i> , 2020, 154, 104572.	4.5	37
130	Electrochemical Sensors, a Bright Future in the Fabrication of Portable Kits in Analytical Systems. <i>Chemical Record</i> , 2020, 20, 682-692.	5.8	340
131	The role of magnetite/graphene oxide nano-composite as a high-efficiency adsorbent for removal of phenazopyridine residues from water samples, an experimental/theoretical investigation. <i>Journal of Molecular Liquids</i> , 2020, 298, 112040.	4.9	319
132	Effect of chemistry and geometry of GO nanochannels on the Li ion selectivity and recovery. <i>Desalination</i> , 2020, 496, 114729.	8.2	42
133	A new nickel-based co-crystal complex electrocatalyst amplified by NiO dope Pt nanostructure hybrid; a highly sensitive approach for determination of cysteamine in the presence of serotonin. <i>Scientific Reports</i> , 2020, 10, 11699.	3.3	250
134	An Electrochemical Fingerprint Approach for Direct Soy Sauce Authentic Identification Using a Glassy Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 2020, 15, 10093-10103.	1.3	13
135	Studies of mechanism, kinetic model and determination of bupivacaine and its application pharmaceutical forms. <i>Microchemical Journal</i> , 2020, 159, 105531.	4.5	6
136	A DNA Based Biosensor Amplified With ZIF-8/Ionic Liquid Composite for Determination of Mitoxantrone Anticancer Drug: An Experimental/Docking Investigation. <i>Frontiers in Chemistry</i> , 2020, 8, 814.	3.6	30
137	Evaluation of Pt,Pd-Doped, NiO-Decorated, Single-Wall Carbon Nanotube-Ionic Liquid Carbon Paste Chemically Modified Electrode: An Ultrasensitive Anticancer Drug Sensor for the Determination of Daunorubicin in the Presence of Tamoxifen. <i>Frontiers in Chemistry</i> , 2020, 8, 677.	3.6	26
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