

# Hassan Karimi-Maleh

## List of Publications by Year in descending order

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Version: 2024-02-01

384  
papers

25,667  
citations

5430

85  
h-index

11282

141  
g-index

397  
all docs

397  
docs citations

397  
times ranked

11804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of methanol decomposition on the Cu-Embedded graphene: A DFT study. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6624-6637.	3.8	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. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6666-6679.	3.8	44
3	Highly efficient carbon hybrid supported catalysts using nano-architecture as anode catalysts for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6657-6665.	3.8	28
4	Enhanced methanol electrooxidation by electroactivated Pd/Ni(OH) <sub>2</sub> /N-rGO catalyst. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6680-6690.	3.8	24
5	Hydrogen generation from methanolysis of sodium borohydride using waste coffee oil modified zinc oxide nanoparticles and their photocatalytic activities. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6613-6623.	3.8	25
6	Metal-Organic Framework Based Electrochemical Immunosensor for Label-Free Detection of Glial Fibrillary Acidic Protein as a Biomarker. <i>Industrial &amp; Engineering Chemistry Research</i> , 2023, 62, 4532-4539.	1.8	14
7	Fabrication of Electrochemical Sensor for Epinine Determination Amplified with MgO/CNTs Nanocomposite and Ionic Liquid. <i>Current Analytical Chemistry</i> , 2022, 18, 125-132.	0.6	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. <i>Environmental Research</i> , 2022, 207, 112156.	3.7	90
9	Cyanazine herbicide monitoring as a hazardous substance by a DNA nanostructure biosensor. <i>Journal of Hazardous Materials</i> , 2022, 423, 127058.	6.5	294
10	The surfactant-ionic liquid bi-functionalization of chitosan beads for their adsorption performance improvement toward Tartrazine. <i>Environmental Research</i> , 2022, 204, 111961.	3.7	41
11	Production of bioethanol from carrot pulp in the presence of <i>Saccharomyces cerevisiae</i> and beet molasses inoculum; A biomass based investigation. <i>Chemosphere</i> , 2022, 286, 131688.	4.2	31
12	Novel enzymatic graphene oxide based biosensor for the detection of glutathione in biological body fluids. <i>Chemosphere</i> , 2022, 287, 132187.	4.2	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. <i>Food Chemistry</i> , 2022, 368, 130811.	4.2	43
14	Removal of metal ions using a new magnetic chitosan nano-bio-adsorbent; A powerful approach in water treatment. <i>Environmental Research</i> , 2022, 203, 111753.	3.7	185
15	Assessment of heavy metal contamination and its sources in urban soils of district Hyderabad, Pakistan using GIS and multivariate analysis. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 7901-7913.	1.8	8
16	An overview of the applications of ionic fluids and deep eutectic solvents enhanced by nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7589-7601.	2.0	9
17	Investigation of antibacterial, antifungal, antibiofilm, antioxidant and anticancer properties of methanol extracts of <i>Salvia marashica</i> Sim, Celep & Doğan and <i>Salvia caespitosa</i> Montbret & Aucher ex Benth plants with medicinal importance. <i>Chemosphere</i> , 2022, 288, 132602.	4.2	11
18	Study on particle radiative properties of lignite, hard coal and biomass fly ashes in the infrared wavelength range. <i>Chemosphere</i> , 2022, 291, 132719.	4.2	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.	3.7	14
20	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. <i>Chemosphere</i> , 2022, 291, 133006.	4.2	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.	1.3	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.	4.2	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.	4.2	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.	3.7	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.	4.2	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.	1.3	11
27	Will MXenes be the Next Two-Dimensional Material Candidate for Biosensing?. <i>Current Pharmaceutical Analysis</i> , 2022, 18, .	0.3	1
28	Properties and Recent Advantages of N,N'-dialkylimidazolium-ion Liquids Application in Electrochemistry. <i>Current Analytical Chemistry</i> , 2022, 18, 31-52.	0.6	11
29	Electrochemical Modified Based Sensors: A New Approach for Analytical Chemistry. <i>Current Analytical Chemistry</i> , 2022, 18, 4-5.	0.6	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.	1.8	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.	4.2	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.	4.2	13
33	Cerium functionalized graphene nano-structures and their applications; A review. <i>Environmental Research</i> , 2022, 208, 112685.	3.7	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.	3.7	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.	1.8	124
36	Advanced integrated nanocatalytic routes for converting biomass to biofuels: A comprehensive review. <i>Fuel</i> , 2022, 314, 122762.	3.4	28

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37	Ultrasensitive and highly selective $\alpha$ -turn-on fluorescent sensor for the detection and measurement of melatonin in juice samples. <i>Chemosphere</i> , 2022, 295, 133869.	4.2	14
38	Nanotechnology-Abetted Astaxanthin Formulations in Multimodel Therapeutic and Biomedical Applications. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2-36.	2.9	31
39	Monitoring of Butylated Hydroxyanisole in Food and Wastewater Samples Using Electroanalytical Two-Fold Amplified Sensor. <i>Sustainability</i> , 2022, 14, 2169.	1.6	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.	5.3	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.	2.7	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.	4.2	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.	1.3	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.	3.7	7
45	Nanomaterials: An alternative source for biodegradation of toxic dyes. <i>Food and Chemical Toxicology</i> , 2022, 164, 112996.	1.8	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.	2.7	25
47	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection. <i>Food and Chemical Toxicology</i> , 2022, 164, 112961.	1.8	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.	1.8	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.	3.7	3
50	Valorisation of nuts biowaste: Prospects in sustainable bio(nano)catalysts and environmental applications. <i>Journal of Cleaner Production</i> , 2022, 347, 131220.	4.6	71
51	Electrochemical detection of Sudan red series azo dyes: Bibliometrics based analysis. <i>Food and Chemical Toxicology</i> , 2022, 163, 112960.	1.8	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.	1.8	50
53	Magnetic-MXene-based nanocomposites for water and wastewater treatment: A review. <i>Journal of Water Process Engineering</i> , 2022, 47, 102696.	2.6	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.	3.9	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. <i>Journal of Water Process Engineering</i> , 2022, 47, 102750.	2.6	13
56	A novel route to the synthesis of Fe <sub>2</sub> O <sub>3</sub> @C/SiO <sub>2</sub> /TiO <sub>2</sub> nanocomposite from the metal-organic framework as a photocatalyst for water treatment. <i>Chemosphere</i> , 2022, 297, 133992.	4.2	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. <i>Environmental Pollution</i> , 2022, 302, 119033.	3.7	14
58	Magnetic nanoparticles based on cerium MOF supported on the MWCNT as a fluorescence quenching sensor for determination of 6-mercaptopurine. <i>Environmental Pollution</i> , 2022, 305, 119230.	3.7	19
59	An applicable method for extraction of whole seeds protein and its determination through Bradford's method. <i>Food and Chemical Toxicology</i> , 2022, 164, 113053.	1.8	31
60	Preface to the Special Issue on "Electrocatalytic Technologies". <i>Topics in Catalysis</i> , 2022, 65, 563.	1.3	1
61	An improved electrochemical sensor based on triton X-100 functionalized SnO <sub>2</sub> nanoparticles for ultrasensitive determination of cadmium. <i>Chemosphere</i> , 2022, 300, 134634.	4.2	12
62	Relationship between graphene and pedosphere: A scientometric analysis. <i>Chemosphere</i> , 2022, 300, 134599.	4.2	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. <i>Environmental Research</i> , 2022, 212, 113264.	3.7	9
64	Evaluation of Antioxidants Using Electrochemical Sensors: A Bibliometric Analysis. <i>Sensors</i> , 2022, 22, 3238.	2.1	20
65	Advancement in electrochemical strategies for quantification of Brown HT and Carmoisine (Acid Red) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	27
66	Nano-architectural design of TiO <sub>2</sub> for high performance photocatalytic degradation of organic pollutant: A review. <i>Environmental Research</i> , 2022, 212, 113347.	3.7	39
67	Fabrication of sensor based on polyvinyl alcohol functionalized tungsten oxide/reduced graphene oxide nanocomposite for electrochemical monitoring of 4-aminophenol. <i>Environmental Research</i> , 2022, 212, 113372.	3.7	19
68	Hydrogen production and photocatalytic activities from NaBH <sub>4</sub> using trimetallic biogenic PdPtCo nanoparticles: Development of machine learning model. <i>Chemical Engineering Research and Design</i> , 2022, 184, 180-190.	2.7	18
69	Selective oxidation of amaranth dye in soft drinks through tin oxide decorated reduced graphene oxide nanocomposite based electrochemical sensor. <i>Food and Chemical Toxicology</i> , 2022, 165, 113177.	1.8	31
70	Determination of active ingredients in antihypertensive drugs using a novel green HPLC method approach. <i>Chemosphere</i> , 2022, 303, 135053.	4.2	0
71	Advances in Electrochemical Techniques for the Detection and Analysis of Genetically Modified Organisms: An Analysis Based on Bibliometrics. <i>Chemosensors</i> , 2022, 10, 194.	1.8	14
72	A brief review on the recent achievements in electrochemical detection of folic acid. <i>Journal of Food Measurement and Characterization</i> , 2022, 16, 3423-3437.	1.6	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.	4.2	8
74	Facile Synthesis of NiO/ZnO nanocomposite as an effective platform for electrochemical determination of carbamazepine. <i>Chemosphere</i> , 2022, 303, 135270.	4.2	8
75	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. <i>Fuel</i> , 2022, 325, 124843.	3.4	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.	3.7	5
77	Graphdiyne applications in sensors: A bibliometric analysis and literature review. <i>Chemosphere</i> , 2022, 307, 135720.	4.2	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.	4.2	17
79	Spiroindeno-pyridineindoles (SIPIs) as new visible colorimetric pH indicators. <i>Chemosphere</i> , 2022, 306, 135630.	4.2	0
80	A bibliometric analysis of graphene in acetaminophen detection: Current status, development, and future directions. <i>Chemosphere</i> , 2022, 306, 135517.	4.2	12
81	Biomaterials functionalized with nanoclusters of integrin and syndecan binding ligands improve cell adhesion and mechanosensing under shear flow conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 313-325.	2.1	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.	14.4	157
83	Luminescent film: Biofouling investigation of tetraphenylethylene blended polyethersulfone ultrafiltration membrane. <i>Chemosphere</i> , 2021, 267, 128871.	4.2	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.	1.7	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.	2.3	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.	1.6	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.	2.3	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.	1.8	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.	1.6	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.	1.4	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.	4.6	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.	3.7	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.	2.0	19
94	Electrochemical Fingerprint Biosensor for Natural Indigo Dye Yielding Plants Analysis. <i>Biosensors</i> , 2021, 11, 155.	2.3	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.	1.6	29
96	Improving of CI engine performance using three different types of biodiesel. <i>Chemical Engineering Research and Design</i> , 2021, 149, 977-993.	2.7	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.	1.6	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.	1.8	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.	1.6	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.	2.3	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.	5.0	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.	1.6	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.	2.7	12
104	Iran's alarmingly mismanaged zoos. <i>Science</i> , 2021, 373, 501-501.	6.0	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.	3.7	10
106	Doxorubicin Anticancer Drug Monitoring by ds-DNA-Based Electrochemical Biosensor in Clinical Samples. <i>Micromachines</i> , 2021, 12, 808.	1.4	26
107	A critical review on the use of potentiometric based biosensors for biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2021, 184, 113252.	5.3	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.	2.4	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.	1.8	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.	1.6	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.	2.3	7
112	An Analytical Method Based on Electrochemical Sensor for the Assessment of Insect Infestation in Flour. <i>Biosensors</i> , 2021, 11, 325.	2.3	8
113	Developing a simple boxâ€“behnken 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.	3.7	29
114	Recent advances in developing optical and electrochemical sensors for analysis of methamphetamine: A review. <i>Chemosphere</i> , 2021, 278, 130393.	4.2	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.	2.0	3
116	Alginate-modified Cassava Fiber Loaded Palladium for Electrochemical Paracetamol Analysis. <i>International Journal of Electrochemical Science</i> , 2021, 16, 21108.	0.5	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.	4.2	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.	4.2	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.	2.3	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.	3.7	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.	1.8	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.	1.0	26
123	Recent Development of Renewable Diesel Production Using Bimetallic Catalysts. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	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.	1.4	53
125	Recent Progress in Nanomaterials Modified Electrochemical Biosensors for the Detection of MicroRNA. <i>Micromachines</i> , 2021, 12, 1409.	1.4	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.	1.8	110



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127	Editorial: Graphene-Enhanced Electrochemical Sensing Platforms. <i>Frontiers in Chemistry</i> , 2021, 9, 815981.	1.8	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.	5.0	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.	2.3	37
130	Electrochemical Sensors, a Bright Future in the Fabrication of Portable Kits in Analytical Systems. <i>Chemical Record</i> , 2020, 20, 682-692.	2.9	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.	2.3	319
132	Effect of chemistry and geometry of GO nanochannels on the Li ion selectivity and recovery. <i>Desalination</i> , 2020, 496, 114729.	4.0	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.	1.6	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.	0.5	13
135	Studies of mechanism, kinetic model and determination of bupivacaine and its application pharmaceutical forms. <i>Microchemical Journal</i> , 2020, 159, 105531.	2.3	6
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