Ceren Karaman

List of Publications by Year
in descending order

69 papers	4,411 citations	125106 35 h-index	124990 64 g-index
69 all docs	69 docs citations	69 times ranked	1339 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.	3.8	17
2	Approaches towards the development of heteropolyacid-based high temperature membranes for PEM fuel cells. International Journal of Hydrogen Energy, 2023, 48, 6638-6656.	3.8	42
3	Enhanced methanol electrooxidation by electroactivated Pd/Ni(OH)2/N-rGO catalyst. International Journal of Hydrogen Energy, 2023, 48, 6680-6690.	3.8	24
4	Engineering of N,P,S-Triple doped 3-dimensional graphene architecture: Catalyst-support for â€œsurface-cleanâ€•Pd nanoparticles to boost the electrocatalysis of ethanol oxidation reaction. International Journal of Hydrogen Energy, 2023, 48, 6691-6701.	3.8	13
5	Boosting Effect of Nitrogen and Phosphorous Co-doped Three-Dimensional Graphene Architecture: Highly Selective Electrocatalysts for Carbon Dioxide Electroreduction to Formate. Topics in Catalysis, 2022, 65, 656-667.	1.3	32
6	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.	3.7	90
7	Cyanazine herbicide monitoring as a hazardous substance by a DNA nanostructure biosensor. Journal of Hazardous Materials, 2022, 423, 127058.	6.5	294
8	Novel enzymatic graphene oxide based biosensor for the detection of glutathione in biological body fluids. Chemosphere, 2022, 287, 132187.	4.2	160
9	A critical review on various remediation approaches for heavy metal contaminants removal from contaminated soils. Chemosphere, 2022, 287, 132369.	4.2	246
10	Removal of metal ions using a new magnetic chitosan nano-bio-adsorbent; A powerful approach in water treatment. Environmental Research, 2022, 203, 111753.	3.7	185
11	Simultaneous improvements in antibacterial and flame retardant properties of PET by use of bio-nanotechnology for fabrication of high performance PET bionanocomposites. Environmental Research, 2022, 206, 112281.	3.7	14
12	An electrochemical molecularly imprinted sensor based on CuBi2O4/rGO@MoS2 nanocomposite and its utilization for highly selective and sensitive for linagliptin assay. Chemosphere, 2022, 291, 132807.	4.2	61
13	Electrochemical cardiac troponin I immunosensor based on nitrogen and boron-doped graphene quantum dots electrode platform and Ce-doped SnO2/SnS2 signal amplification. Materials Today Chemistry, 2022, 23, 100666.	1.7	39
14	Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation. Chemosphere, 2022, 291, 133006.	4.2	54
15	Polyaniline-Manganese Ferrite Supported Platinumâ€"Ruthenium Nanohybrid Electrocatalyst: Synergizing Tailoring Toward Boosted Ethanol Oxidation Reaction. Topics in Catalysis, 2022, 65, 716-725.	1.3	29
16	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. Chemosphere, 2022, 291, 132928.	4.2	194
17	A system dynamics approach to pollution remediation and mitigation based on increasing the share of renewable resources. Environmental Research, 2022, 205, 112458.	3.7	13
18	A novel electrochemical kidney injury molecule-1 (KIM-1) immunosensor based covalent organic frameworks-gold nanoparticles composite and porous NiCo2S4@CeO2 microspheres: The monitoring of acute kidney injury. Applied Surface Science, 2022, 578, 152093.	3.1	52

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19	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. Chemosphere, 2022, 290, 133346.	4.2	175
20	Recent advances in Ponceau dyes monitoring as food colorant substances by electrochemical sensors and developed procedures for their removal from real samples. Food and Chemical Toxicology, 2022, 161, 112830.	1.8	117
21	Cerium functionalized graphene nano-structures and their applications; A review. Environmental Research, 2022, 208, 112685.	3.7	36
22	Reducing the risk of death induced by aluminum phosphide poisoning: The new therapies. Chemosphere, 2022, 294, 133800.	4.2	7
23	Boosting the electrocatalytic activity of ZrO2/MWCNT supported PdPt bi-metallic electrocatalyst towards ethanol oxidation reaction by electrochemical activation process and modeling by artificial neural network approach. Chemical Engineering Research and Design, 2022, 180, 38-49.	2.7	17
24	Ultrasensitive and highly selective â€œturn-onâ€•fluorescent sensor for the detection and measurement of melatonin in juice samples. Chemosphere, 2022, 295, 133869.	4.2	14
25	A molecularly imprinted electrochemical biosensor based on hierarchical Ti2Nb10O29 (TNO) for glucose detection. Mikrochimica Acta, 2022, 189, 24.	2.5	44
26	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. Journal of Nanostructure in Chemistry, 2022, 12, 429-439.	5.3	171
27	Electrochemical neuron-specific enolase (NSE) immunosensor based on CoFe2O4@Ag nanocomposite and AuNPs@MoS2/rGO. Analytica Chimica Acta, 2022, 1200, 339609.	2.6	61
28	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection. Food and Chemical Toxicology, 2022, 164, 112961.	1.8	231
29	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-C3N4/Co and ionic liquid in mouthwash and toothpaste as real samples. Food and Chemical Toxicology, 2022, 162, 112907.	1.8	231
30	Magnetic-MXene-based nanocomposites for water and wastewater treatment: A review. Journal of Water Process Engineering, 2022, 47, 102696.	2.6	83
31	Design of Co-Sn bimetallic nanoalloys as electrocatalyst for alkaline methanol oxidation reaction: Exploring the effect of electroactivation process. Fuel, 2022, 319, 123727.	3.4	9
32	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.	3.7	19
33	Evaporation characteristics of nanofuel droplets: A review. Fuel, 2022, 319, 123731.	3.4	19
34	An improved electrochemical sensor based on triton X-100 functionalized SnO2 nanoparticles for ultrasensitive determination of cadmium. Chemosphere, 2022, 300, 134634.	4.2	12
35	Electrochemical Tau Protein Immunosensor Based on MnS/GO/PANI and Magnetiteâ€incorporated Gold Nanoparticles. Electroanalysis, 2022, 34, 1519-1528.	1.5	26
36	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.	3.7	19

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37	High energy supercapacitors based on functionalized carbon nanotubes: Effect of atomic oxygen doping via various radiation sources. Fuel, 2022, 324, 124497.	3.4	18
38	Hydrogen production via sodium borohydride hydrolysis catalyzed by cobalt ferrite anchored nitrogen-and sulfur co-doped graphene hybrid nanocatalyst: Artificial neural network modeling approach. Chemical Engineering Research and Design, 2022, 183, 557-566.	2.7	53
39	Electrochemical α-fetoprotein immunosensor based on Fe3O4NPs@covalent organic framework decorated gold nanoparticles and magnetic nanoparticles including SiO2@TiO2. Mikrochimica Acta, 2022, 189, .	2.5	24
40	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. Fuel, 2022, 325, 124843.	3.4	14
41	Irradiated rGO electrode-based high-performance supercapacitors: Boosting effect of GO/rGO mixed nanosheets on electrochemical performance. Fuel, 2022, 328, 125298.	3.4	29
42	Orange Peel Derived–Nitrogen and Sulfur Co–doped Carbon Dots: a Nano–booster for Enhancing ORR Electrocatalytic Performance of 3D Graphene Networks. Electroanalysis, 2021, 33, 1356-1369.	1.5	142
43	COVID-19 diagnosis from chest X-ray images using transfer learning: Enhanced performance by debiasing dataloader. Journal of X-Ray Science and Technology, 2021, 29, 19-36.	0.7	21
44	Design and Thermal Analysis of High Power LED Light. European Mechanical Science, 2021, 5, 28-33.	0.4	0
45	Mechanistic Insights into Catalytic Reduction of N_2O by CO over Cu-Embedded Graphene: A Density Functional Theory Perspective. ECS Journal of Solid State Science and Technology, 2021, 10, 041003.	0.9	63
46	Electrochemical immunosensor development based on core-shell high-crystalline graphitic carbon nitride@carbon dots and Cd0.5Zn0.5S/d-Ti3C2Tx MXene composite for heart-type fatty acid–binding protein detection. Mikrochimica Acta, 2021, 188, 182.	2.5	85
47	Tailoring of cobalt phosphide anchored nitrogen and sulfur co-doped three dimensional graphene hybrid: Boosted electrocatalytic performance towards hydrogen evolution reaction. Electrochimica Acta, 2021, 380, 138262.	2.6	89
48	A comparative study of CO catalytic oxidation on the single vacancy and di-vacancy graphene supported single-atom iridium catalysts: A DFT analysis. Surfaces and Interfaces, 2021, 25, 101293.	1.5	40
49	The production of rGO/ RuO2 aerogel supercapacitor and analysis of its electrochemical performances. Ceramics International, 2021, 47, 34514-34520.	2.3	95
50	Biodegradable polymers and their nano-composites for the removal of endocrine-disrupting chemicals (EDCs) from wastewater: A review. Environmental Research, 2021, 202, 111694.	3.7	152
51	A novel electrochemical aflatoxin B1 immunosensor based on gold nanoparticle-decorated porous graphene nanoribbon and Ag nanocube-incorporated MoS_2 nanosheets. New Journal of Chemistry, 2021, 45, 11222-11233.	1.4	106
52	Sustainable electrode material for high-energy supercapacitor: biomass-derived graphene-like porous carbon with three-dimensional hierarchically ordered ion highways. Physical Chemistry Chemical Physics, 2021, 23, 12807-12821.	1.3	98
53	Electrosorptive disinfection of *Escherichia coli* (*E. coli*) aqueous solutions by activated carbon monolith electrodes. Water Science and Technology: Water Supply, 2021, 21, 157-165.	1.0	6
54	Theoretical Insights into the NH_3 Decomposition Mechanism on the Cu- and Pt- Embedded Graphene Surfaces: A DFT Approach. ECS Journal of Solid State Science and Technology, 2021, 10, 101008.	0.9	11

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55	Sensitive and Selective Electrochemical Detection of Epirubicin as Anticancer Drug Based on Nickel Ferrite Decorated with Gold Nanoparticles. Micromachines, 2021, 12, 1334.	1.4	53
56	Sensitive sandwich-type electrochemical SARS-CoV‑2 nucleocapsid protein immunosensor. Mikrochimica Acta, 2021, 188, 425.	2.5	44
57	Three-dimensional porous reduced graphene oxide decorated with carbon quantum dots and platinum nanoparticles for highly selective determination of azo dye compound tartrazine. Food and Chemical Toxicology, 2021, 158, 112698.	1.8	110
58	Preparation of high surface area nitrogen doped graphene for the assessment of morphologic properties and nitrogen content impacts on supercapacitors. Journal of Electroanalytical Chemistry, 2020, 868, 114197.	1.9	49
59	A new approach for electrochemical detection of organochlorine compound lindane: Development of molecular imprinting polymer with polyoxometalate/carbon nitride nanotubes composite and validation. Microchemical Journal, 2020, 157, 105012.	2.3	53
60	Correlation between the Molecular Structure of Reducing Agent and pH of Graphene Oxide Dispersion on the Formation of 3D-Graphene Networks. ECS Journal of Solid State Science and Technology, 2020, 9, 071003.	0.9	37
61	Molecular Imprinted Sensor Including Au Nanoparticles/Polyoxometalate/Two-Dimensional Hexagonal Boron Nitride Nanocomposite for Diazinon Recognition. ECS Journal of Solid State Science and Technology, 2020, 9, 101006.	0.9	43
62	A Novel Molecularly Imprinting Biosensor Including Graphene Quantum Dots/Multi-Walled Carbon Nanotubes Composite for Interleukin-6 Detection and Electrochemical Biosensor Validation. ECS Journal of Solid State Science and Technology, 2020, 9, 121010.	0.9	87
63	Modelling of Remazol Black-B adsorption on chemically modified waste orange peel: pH shifting effect of acidic treatment. Sakarya University Journal of Science, 2020, 24, 1135-1150.	0.3	7
64	Investigation of the effects of different composite materials on neutron contamination caused by medical LINAC / Untersuchung der Auswirkungen verschiedener Verbundmaterialien auf die Neutronenkontamination durch medizinische LINAC. Kerntechnik, 2020, 85, 401-407.	0.2	24
65	Thermal comfort performances of cellulosic socks evaluated by a foot manikin system and moisture management tester. International Journal of Clothing Science and Technology, 2019, 31, 272-283.	0.5	4
66	Investigation of photoneutron contamination from the 18-MV photon beam in a medical linear accelerator. Materiali in Tehnologije, 2019, 53, 699-704.	0.3	2
67	Yapay Sinir Ağı Yaklaşımı ile Crystal Violet Katyonik Boyarmaddesinin Biyokütle-temelli Grafen Benzeri Gözenekli Karbon Üzerine Biyosorpsiyonunun Tahmin Edilmesi. European Journal of Science and Technology, 0, , .	0.5	1
68	Yapay Sinir Ağı Yaklaşımı ile Atık Portakal Kabuğundan Elde Edilen Grafen Benzeri Gözenekli Karbon Üzerinde Arsenik (V) Biyosorpsiyonunun Modellenmesi. European Journal of Science and Technology, 0, , .	0.5	1
69	Mapping and Scientometric Measures on Research Publications of Energy Storage and Conversion. Topics in Catalysis, 0, , 1.	1.3	0