

Onur Karaman

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,545
citations

186209

28
h-index

233338

45
g-index

47
all docs

47
docs citations

47
times ranked

902
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 | Electrocatalytic Decomposition of Formic Acid Catalyzed by M-Embedded Graphene (M=Ni and Cu): A DFT Study. <i>Topics in Catalysis</i> , 2022, 65, 1-13. | 1.3 | 8 |
| 3 | 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 |
| 4 | An electrochemical molecularly imprinted sensor based on CuBi ₂ O ₄ /rGO@MoS ₂ nanocomposite and its utilization for highly selective and sensitive for linagliptin assay. <i>Chemosphere</i> , 2022, 291, 132807. | 4.2 | 61 |
| 5 | Electrochemical cardiac troponin I immunosensor based on nitrogen and boron-doped graphene quantum dots electrode platform and Ce-doped SnO ₂ /SnS ₂ signal amplification. <i>Materials Today Chemistry</i> , 2022, 23, 100666. | 1.7 | 39 |
| 6 | 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 |
| 7 | 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 |
| 8 | A novel electrochemical kidney injury molecule-1 (KIM-1) immunosensor based covalent organic frameworks-gold nanoparticles composite and porous NiCo ₂ S ₄ @CeO ₂ microspheres: The monitoring of acute kidney injury. <i>Applied Surface Science</i> , 2022, 578, 152093. | 3.1 | 52 |
| 9 | 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 |
| 10 | A molecularly imprinted electrochemical biosensor based on hierarchical Ti ₂ Nb ₁₀ O ₂₉ (TNO) for glucose detection. <i>Mikrochimica Acta</i> , 2022, 189, 24. | 2.5 | 44 |
| 11 | 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 |
| 12 | Electrochemical neuron-specific enolase (NSE) immunosensor based on CoFe ₂ O ₄ @Ag nanocomposite and AuNPs@MoS ₂ /rGO. <i>Analytica Chimica Acta</i> , 2022, 1200, 339609. | 2.6 | 61 |
| 13 | 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 ₃ N ₄ /Co and ionic liquid in mouthwash and toothpaste as real samples. <i>Food and Chemical Toxicology</i> , 2022, 162, 112907. | 1.8 | 231 |
| 14 | Three-dimensional graphene network supported nickel-cobalt bimetallic alloy nanocatalyst for hydrogen production by hydrolysis of sodium borohydride and developing of an artificial neural network modeling to forecast hydrogen production rate. <i>Chemical Engineering Research and Design</i> , 2022, 181, 321-330. | 2.7 | 42 |
| 15 | Design of Co-Sn bimetallic nanoalloys as electrocatalyst for alkaline methanol oxidation reaction: Exploring the effect of electroactivation process. <i>Fuel</i> , 2022, 319, 123727. | 3.4 | 9 |
| 16 | Evaporation characteristics of nanofuel droplets: A review. <i>Fuel</i> , 2022, 319, 123731. | 3.4 | 19 |
| 17 | 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 |
| 18 | High energy supercapacitors based on functionalized carbon nanotubes: Effect of atomic oxygen doping via various radiation sources. <i>Fuel</i> , 2022, 324, 124497. | 3.4 | 18 |

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|----|--|-----|-----------|
| 19 | Hydrogen production via sodium borohydride hydrolysis catalyzed by cobalt ferrite anchored nitrogen-and sulfur co-doped graphene hybrid nanocatalyst: Artificial neural network modeling approach. <i>Chemical Engineering Research and Design</i> , 2022, 183, 557-566. | 2.7 | 53 |
| 20 | Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. <i>Fuel</i> , 2022, 325, 124843. | 3.4 | 14 |
| 21 | COVID-19 diagnosis from chest X-ray images using transfer learning: Enhanced performance by debiasing dataloader. <i>Journal of X-Ray Science and Technology</i> , 2021, 29, 19-36. | 0.7 | 21 |
| 22 | Estimations of giant dipole resonance parameters using artificial neural network. <i>Applied Radiation and Isotopes</i> , 2021, 169, 109581. | 0.7 | 13 |
| 23 | Investigation of level density parameter dependence for some ²³³ U, ²³⁵ U, ²³⁷ U, ²³⁹ U, ²⁴⁹ Cf, ²⁵¹ Cf, ²³⁷ Pu and ²⁴⁷ Cm nuclei in neutron fission cross sections with the incident energy up to 20 MeV. <i>Kerntechnik</i> , 2021, 86, 78-85. | 0.2 | 2 |
| 24 | Mechanistic Insights into Catalytic Reduction of N ₂ O by CO over Cu-Embedded Graphene: A Density Functional Theory Perspective. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 041003. | 0.9 | 63 |
| 25 | Electrochemical immunosensor development based on core-shell high-crystalline graphitic carbon nitride@carbon dots and Cd _{0.5} Zn _{0.5} /d-Ti ₃ C ₂ T _x MXene composite for heart-type fatty acid binding protein detection. <i>Mikrochimica Acta</i> , 2021, 188, 182. | 2.5 | 85 |
| 26 | Oxygen Reduction Reaction Performance Boosting Effect of Nitrogen/Sulfur Co-Doped Graphene Supported Cobalt Phosphide Nanoelectrocatalyst: pH-Universal Electrocatalyst. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 061003. | 0.9 | 33 |
| 27 | Tailoring of cobalt phosphide anchored nitrogen and sulfur co-doped three dimensional graphene hybrid: Boosted electrocatalytic performance towards hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2021, 380, 138262. | 2.6 | 89 |
| 28 | A comparative study of CO catalytic oxidation on the single vacancy and di-vacancy graphene supported single-atom iridium catalysts: A DFT analysis. <i>Surfaces and Interfaces</i> , 2021, 25, 101293. | 1.5 | 40 |
| 29 | Robust automated Parkinson disease detection based on voice signals with transfer learning. <i>Expert Systems With Applications</i> , 2021, 178, 115013. | 4.4 | 43 |
| 30 | The production of rGO/ RuO ₂ aerogel supercapacitor and analysis of its electrochemical performances. <i>Ceramics International</i> , 2021, 47, 34514-34520. | 2.3 | 95 |
| 31 | Determination of COVID-19 pneumonia based on generalized convolutional neural network model from chest X-ray images. <i>Expert Systems With Applications</i> , 2021, 180, 115141. | 4.4 | 60 |
| 32 | Development of smart camera systems based on artificial intelligence network for social distance detection to fight against COVID-19. <i>Applied Soft Computing Journal</i> , 2021, 110, 107610. | 4.1 | 26 |
| 33 | A novel electrochemical aflatoxin B1 immunosensor based on gold nanoparticle-decorated porous graphene nanoribbon and Ag nanocube-incorporated MoS ₂ nanosheets. <i>New Journal of Chemistry</i> , 2021, 45, 11222-11233. | 1.4 | 106 |
| 34 | Sustainable electrode material for high-energy supercapacitor: biomass-derived graphene-like porous carbon with three-dimensional hierarchically ordered ion highways. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12807-12821. | 1.3 | 98 |
| 35 | Electrosorptive disinfection of <i>Escherichia coli</i> (<i>E. coli</i>) aqueous solutions by activated carbon monolith electrodes. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 157-165. | 1.0 | 6 |
| 36 | Theoretical Insights into the NH ₃ Decomposition Mechanism on the Cu- and Pt- Embedded Graphene Surfaces: A DFT Approach. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 101008. | 0.9 | 11 |

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|----|--|-----|-----------|
| 37 | Sensitive sandwich-type electrochemical SARS-CoVâ€™2 nucleocapsid protein immunosensor. <i>Mikrochimica Acta</i> , 2021, 188, 425. | 2.5 | 44 |
| 38 | 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 |
| 39 | Preparation of high surface area nitrogen doped graphene for the assessment of morphologic properties and nitrogen content impacts on supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , 2020, 868, 114197. | 1.9 | 49 |
| 40 | A new approach for electrochemical detection of organochlorine compound lindane: Development of molecular imprinting polymer with polyoxometalate/carbon nitride nanotubes composite and validation. <i>Microchemical Journal</i> , 2020, 157, 105012. | 2.3 | 53 |
| 41 | Correlation between the Molecular Structure of Reducing Agent and pH of Graphene Oxide Dispersion on the Formation of 3D-Graphene Networks. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 071003. | 0.9 | 37 |
| 42 | A Novel Molecularly Imprinting Biosensor Including Graphene Quantum Dots/Multi-Walled Carbon Nanotubes Composite for Interleukin-6 Detection and Electrochemical Biosensor Validation. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 121010. | 0.9 | 87 |
| 43 | 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. <i>Kerntechnik</i> , 2020, 85, 401-407. | 0.2 | 24 |
| 44 | Investigation of photoneutron contamination from the 18-MV photon beam in a medical linear accelerator. <i>Materiali in Tehnologije</i> , 2019, 53, 699-704. | 0.3 | 2 |
| 45 | The effects of plaster on radiation doses given to patients. <i>Turkish Journal of Physics</i> , 2015, 39, 31-36. | 0.5 | 2 |
| 46 | Ä°ridyum KatkÄ±lÄ± Grafen YÄ¼zey Äœzerinde NH3 AyrÄ±ÅŸma Reaksiyonu Mekanistik Ä°ncelemesi: YoÄŸunluk Fonksiyonel Teori YaklaÅŸımları. <i>European Journal of Science and Technology</i> , 0, , . | 0.5 | 0 |
| 47 | Azot-katkÄ±lÄ± 3 boyutlu grafen mimari Ä¼zerinde desteklenen paladyum nanopartikÄ¼llerin doÄŸrudan metanol yaklaÅŸımlarında elektrokatalizör olarak kullanılabilirliÄŸinin incelenmesi. <i>Bitlis Eren Üniversitesi Fen Bilimleri Dergisi</i> , 0, , . | 0.1 | 0 |