

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Electrochemical immunosensor development based on core-shell high-crystalline graphitic carbon nitride@carbon dots and Cd _{0.5} Zn _{0.5} S/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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	Sensitive sandwich-type electrochemical SARS-CoVâ€² nucleocapsid protein immunosensor. <i>Mikrochimica Acta</i> , 2021, 188, 425.	2.5	44
22	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
23	Robust automated Parkinson disease detection based on voice signals with transfer learning. <i>Expert Systems With Applications</i> , 2021, 178, 115013.	4.4	43
24	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
25	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
26	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
27	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
28	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
29	Polyaniline-Manganese Ferrite Supported Platinumâ€“Ruthenium Nanohybrid Electrocatalyst: Synergizing Tailoring Toward Boosted Ethanol Oxidation Reaction. <i>Topics in Catalysis</i> , 2022, 65, 716-725.	1.3	29
30	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
31	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
32	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
33	Evaporation characteristics of nanofuel droplets: A review. <i>Fuel</i> , 2022, 319, 123731.	3.4	19
34	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
35	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
36	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

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37	Direct utilization of radioactive irradiated graphite as a high-energy supercapacitor a promising electrode material. <i>Fuel</i> , 2022, 325, 124843.	3.4	14
38	Estimations of giant dipole resonance parameters using artificial neural network. <i>Applied Radiation and Isotopes</i> , 2021, 169, 109581.	0.7	13
39	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
40	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
41	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
42	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
43	The effects of plaster on radiation doses given to patients. <i>Turkish Journal of Physics</i> , 2015, 39, 31-36.	0.5	2
44	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
45	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
46	Ä°ridyum KatkÄ± Grafen YÄ¼zey Äœzerinde NH ₃ AyrÄ±ma Reaksiyonu Mekanistik Ä°ncelemesi: YoÄ¼nluk Fonksiyonel Teori YaklaÅ±mÄ±. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
47	Azot-katkÄ± 3 boyutlu grafen mimari Ä¼zerinde desteklenen paladyum nanopartikÄ¼lerin doÄ¼rudan metanol yaklaÅ±t hÄ¼crelerinde elektrokatalizÄ¼r olarak kullanÄ±labilirliÄ¼inin incelenmesi. <i>Bitlis Eren Äœniversitesi Fen Bilimleri Dergisi</i> , 0, , .	0.1	0