

Aytekin Uzunoglu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

930
citations

566801

15
h-index

454577

30
g-index

32
all docs

32
docs citations

32
times ranked

1549
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Tuning active sites of N-doped porous carbon catalysts derived from vinasse for high-performance electrochemical sensing. <i>Particulate Science and Technology</i> , 2023, 41, 93-104. | 1.1 | 3 |
| 2 | Preparation of defect-rich, N-doped activated carbons via high-energy ball milling and investigation of their electrochemical performances towards hydrogen peroxide sensing. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 1475-1489. | 1.6 | 2 |
| 3 | Ni/NiO/Ni ²⁺ /B/graphene heterostructure-modified electrodes and their electrochemical activities towards acetaminophen. <i>Analytical Methods</i> , 2021, 13, 3187-3195. | 1.3 | 6 |
| 4 | An in-vitro study: The effect of surface properties on bioactivity of the oxide layer fabricated on Zr substrate by PEO. <i>Surfaces and Interfaces</i> , 2021, 22, 100884. | 1.5 | 8 |
| 5 | Ink-jet printing of particle-free silver inks on fabrics with a superhydrophobic protection layer for fabrication of robust electrochemical sensors. <i>Microchemical Journal</i> , 2021, 164, 106038. | 2.3 | 16 |
| 6 | Effect of milling time, MWCNT content, and annealing temperature on microstructure and hardness of Fe/MWCNT nanocomposites synthesized by high-energy ball milling. <i>Advanced Powder Technology</i> , 2021, 32, 3107-3116. | 2.0 | 10 |
| 7 | Electrochemical Glucose Detection Using PdAg Nanoparticles Anchored on rGO/MWCNT Nanohybrids. <i>Journal of Cluster Science</i> , 2020, 31, 231-239. | 1.7 | 15 |
| 8 | Construction of High-Performance Amperometric Acetaminophen Sensors Using Zn/ZnO-Decorated Reduced Graphene Oxide Surfaces. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 093003. | 0.9 | 5 |
| 9 | Modification of Commercial Pt/C Catalyst with Graphene Nanoplatelets for Sensitive and Selective Detection of Acetaminophen in Commercial Tablets. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 115006. | 0.9 | 3 |
| 10 | The use of CeO ₂ -modified Pt/C catalyst inks for the construction of high-performance enzyme-free H ₂ O ₂ sensors. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113302. | 1.9 | 28 |
| 11 | Synthesis and characterization of Ag ⁺ -decorated poly(glycidyl methacrylate) microparticle design for the adsorption of nucleic acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1081-1082, 1-7. | 1.2 | 16 |
| 12 | Aminolated and Thiolated PEG-Covered Gold Nanoparticles with High Stability and Antiaggregation for Lateral Flow Detection of Bisphenol A. <i>Small</i> , 2018, 14, 1702828. | 5.2 | 56 |
| 13 | Isolation of Aspartic Acid Using Novel Poly(2-hydroxyethyl methacrylate-N-methacryloyl-(l)-lysine) Cryogels. <i>Chromatographia</i> , 2018, 81, 127-137. | 0.7 | 5 |
| 14 | PdAg-decorated three-dimensional reduced graphene oxide-multi-walled carbon nanotube hierarchical nanostructures for high-performance hydrogen peroxide sensing. <i>MRS Communications</i> , 2018, 8, 680-686. | 0.8 | 11 |
| 15 | CeO ₂ -ZrO ₂ Nanoparticle-Modified Enzymatic Lactate Biosensors with Reduced Oxygen Susceptibility. <i>Journal of the Electrochemical Society</i> , 2018, 165, B436-B441. | 1.3 | 14 |
| 16 | Graphene-titanium dioxide nanocomposite based hypoxanthine sensor for assessment of meat freshness. <i>Biosensors and Bioelectronics</i> , 2017, 89, 518-524. | 5.3 | 82 |
| 17 | Investigation of the Interaction between Nafion Ionomer and Surface Functionalized Carbon Black Using Both Ultrasmall Angle X-ray Scattering and Cryo-TEM. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6530-6538. | 4.0 | 89 |
| 18 | Structural, electronic, and electrochemical analyses of sputter-coated Pt and Pt-Co/GCE electrodes with ultra-low metal loadings for PEM fuel cell applications. <i>Journal of Applied Electrochemistry</i> , 2017, 47, 139-155. | 1.5 | 9 |

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|----|---|-----|-----------|
| 19 | Synthesis of CeO ₂ -based core/shell nanoparticles with high oxygen storage capacity. <i>International Nano Letters</i> , 2017, 7, 187-193. | 2.3 | 18 |
| 20 | A Sensitive Electrochemical H ₂ O ₂ Sensor Based on PdAg-Decorated Reduced Graphene Oxide Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2016, 163, B379-B384. | 1.3 | 30 |
| 21 | Polybenzimidazole (PBI) Functionalized Nanographene as Highly Stable Catalyst Support for Polymer Electrolyte Membrane Fuel Cells (PEMFCs). <i>Journal of the Electrochemical Society</i> , 2016, 163, F1228-F1236. | 1.3 | 20 |
| 22 | Novel CeO ₂ @CuO-decorated enzymatic lactate biosensors operating in low oxygen environments. <i>Analytica Chimica Acta</i> , 2016, 909, 121-128. | 2.6 | 39 |
| 23 | Understanding Pt Nanoparticle Anchoring on Graphene Supports through Surface Functionalization. <i>ACS Catalysis</i> , 2016, 6, 2642-2653. | 5.5 | 172 |
| 24 | Layer by layer construction of ascorbate interference-free amperometric lactate biosensors with lactate oxidase, ascorbate oxidase, and ceria nanoparticles. <i>Mikrochimica Acta</i> , 2016, 183, 1667-1675. | 2.5 | 30 |
| 25 | Direct fabrication of crystalline hydroxyapatite coating on zirconium by single-step plasma electrolytic oxidation process. <i>Surface and Coatings Technology</i> , 2016, 301, 74-79. | 2.2 | 29 |
| 26 | Bimetallic PdCu/SPCE non-enzymatic hydrogen peroxide sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 968-976. | 4.0 | 38 |
| 27 | CeO ₂ @MO _x (M: Zr, Ti, Cu) mixed metal oxides with enhanced oxygen storage capacity. <i>Journal of Materials Science</i> , 2015, 50, 3750-3762. | 1.7 | 40 |
| 28 | Graphene based enzymatic bioelectrodes and biofuel cells. <i>Nanoscale</i> , 2015, 7, 6909-6923. | 2.8 | 113 |
| 29 | Durability of carbon@silica supported catalysts for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2012, 202, 184-189. | 4.0 | 9 |
| 30 | C-SiO ₂ Supported Catalysts for Durability and Performance Improvement in PEM Fuel Cells. <i>ECS Transactions</i> , 2011, 41, 1257-1267. | 0.3 | 1 |
| 31 | Hydrogen Generation from Alkaline Solutions of Methanol and Ethanol by Electrolysis. <i>ECS Transactions</i> , 2009, 19, 77-94. | 0.3 | 5 |
| 32 | The Use of CeO ₂ -TiO ₂ Nanocomposites as Enzyme Immobilization Platforms in Electrochemical Sensors. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 0, , 855-868. | 0.4 | 8 |