

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	Understanding Pt Nanoparticle Anchoring on Graphene Supports through Surface Functionalization. ACS Catalysis, 2016, 6, 2642-2653.	5.5	172
2	Graphene based enzymatic bioelectrodes and biofuel cells. Nanoscale, 2015, 7, 6909-6923.	2.8	113
3	Investigation of the Interaction between Nafion Ionomer and Surface Functionalized Carbon Black Using Both Ultrasmall Angle X-ray Scattering and Cryo-TEM. ACS Applied Materials & Interfaces, 2017, 9, 6530-6538.	4.0	89
4	Graphene-titanium dioxide nanocomposite based hypoxanthine sensor for assessment of meat freshness. Biosensors and Bioelectronics, 2017, 89, 518-524.	5.3	82
5	Aminolated and Thiolated PEG-Covered Gold Nanoparticles with High Stability and Antiaggregation for Lateral Flow Detection of Bisphenol A. Small, 2018, 14, 1702828.	5.2	56
6	CeO ₂ -MO _x (M: Zr, Ti, Cu) mixed metal oxides with enhanced oxygen storage capacity. Journal of Materials Science, 2015, 50, 3750-3762.	1.7	40
7	Novel CeO ₂ -CuO-decorated enzymatic lactate biosensors operating in low oxygen environments. Analytica Chimica Acta, 2016, 909, 121-128.	2.6	39
8	Bimetallic PdCu/SPCE non-enzymatic hydrogen peroxide sensors. Sensors and Actuators B: Chemical, 2015, 220, 968-976.	4.0	38
9	A Sensitive Electrochemical H ₂ O ₂ Sensor Based on PdAg-Decorated Reduced Graphene Oxide Nanocomposites. Journal of the Electrochemical Society, 2016, 163, B379-B384.	1.3	30
10	Layer by layer construction of ascorbate interference-free amperometric lactate biosensors with lactate oxidase, ascorbate oxidase, and ceria nanoparticles. Mikrochimica Acta, 2016, 183, 1667-1675.	2.5	30
11	Direct fabrication of crystalline hydroxyapatite coating on zirconium by single-step plasma electrolytic oxidation process. Surface and Coatings Technology, 2016, 301, 74-79.	2.2	29
12	The use of CeO ₂ -modified Pt/C catalyst inks for the construction of high-performance enzyme-free H ₂ O ₂ sensors. Journal of Electroanalytical Chemistry, 2019, 848, 113302.	1.9	28
13	Polybenzimidazole (PBI) Functionalized Nanographene as Highly Stable Catalyst Support for Polymer Electrolyte Membrane Fuel Cells (PEMFCs). Journal of the Electrochemical Society, 2016, 163, F1228-F1236.	1.3	20
14	Synthesis of CeO ₂ -based core/shell nanoparticles with high oxygen storage capacity. International Nano Letters, 2017, 7, 187-193.	2.3	18
15	Synthesis and characterization of Ag ⁺ -decorated poly(glycidyl methacrylate) microparticle design for the adsorption of nucleic acids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1081-1082, 1-7.	1.2	16
16	Ink-jet printing of particle-free silver inks on fabrics with a superhydrophobic protection layer for fabrication of robust electrochemical sensors. Microchemical Journal, 2021, 164, 106038.	2.3	16
17	Electrochemical Glucose Detection Using PdAg Nanoparticles Anchored on rGO/MWCNT Nanohybrids. Journal of Cluster Science, 2020, 31, 231-239.	1.7	15
18	CeO ₂ -ZrO ₂ Nanoparticle-Modified Enzymatic Lactate Biosensors with Reduced Oxygen Susceptibility. Journal of the Electrochemical Society, 2018, 165, B436-B441.	1.3	14

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19	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
20	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
21	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
22	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
23	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
24	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
25	Ni/NiO/Ni-B/graphene heterostructure-modified electrodes and their electrochemical activities towards acetaminophen. <i>Analytical Methods</i> , 2021, 13, 3187-3195.	1.3	6
26	Hydrogen Generation from Alkaline Solutions of Methanol and Ethanol by Electrolysis. <i>ECS Transactions</i> , 2009, 19, 77-94.	0.3	5
27	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
28	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
29	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
30	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
31	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
32	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