

Aiping Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

553
citations

933447

10
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

625
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | EIS capacitance diagnosis of nanoporosity effect on the corrosion protection of DLC films. <i>Diamond and Related Materials</i> , 2002, 11, 160-168. | 3.9 | 117 |
| 2 | Diamond-like carbon (DLC) films as electrochemical electrodes. <i>Diamond and Related Materials</i> , 2014, 43, 12-22. | 3.9 | 88 |
| 3 | Stripping Voltammetric Analysis of Heavy Metals at Nitrogen Doped Diamond-Like Carbon Film Electrodes. <i>Electroanalysis</i> , 2002, 14, 1294-1298. | 2.9 | 77 |
| 4 | Cyclic Voltammetry Studies of Sputtered Nitrogen Doped Diamond-Like Carbon Film Electrodes. <i>Electroanalysis</i> , 2002, 14, 1110-1115. | 2.9 | 70 |
| 5 | Impedance study on electrochemical characteristics of sputtered DLC films. <i>Thin Solid Films</i> , 2003, 426, 258-264. | 1.8 | 50 |
| 6 | Ohmic contact to nitrogen doped amorphous carbon films. <i>Surface and Coatings Technology</i> , 2005, 198, 202-205. | 4.8 | 29 |
| 7 | Correlation between film structures and potential limits for hydrogen and oxygen evolutions at a-C:N film electrochemical electrodes. <i>Carbon</i> , 2008, 46, 663-670. | 10.3 | 20 |
| 8 | Semiconductor properties and redox responses at a-C:N thin film electrochemical electrodes. <i>Diamond and Related Materials</i> , 2009, 18, 1211-1217. | 3.9 | 18 |
| 9 | Spectroscopic and electrochemical study of hybrids containing conductive polymers and carbon nanotubes. <i>Carbon</i> , 2010, 48, 2773-2781. | 10.3 | 18 |
| 10 | Nickel nano-particle modified nitrogen-doped amorphous hydrogenated diamond-like carbon film for glucose sensing. <i>Materials Research Bulletin</i> , 2012, 47, 2713-2716. | 5.2 | 14 |
| 11 | Correlation of film structure and molecular oxygen reduction at nitrogen doped amorphous carbon thin film electrochemical electrodes. <i>Diamond and Related Materials</i> , 2009, 18, 1102-1108. | 3.9 | 10 |
| 12 | Plasma Treated Active Carbon for Capacitive Deionization of Saline Water. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-8. | 2.7 | 9 |
| 13 | Compositional depth profile analysis of coatings on hard disks by X-ray photoelectron spectroscopy and imaging. <i>Surface and Coatings Technology</i> , 2003, 176, 93-102. | 4.8 | 6 |
| 14 | MICROSTRUCTURE AND ELECTROCHEMICAL BEHAVIOR OF SPUTTERED DIAMOND-LIKE CARBON FILMS. <i>International Journal of Modern Physics B</i> , 2002, 16, 1024-1030. | 2.0 | 5 |
| 15 | Effect of deposition time and potential on the nucleation and growth of nickel nano particles on nitrogen doped diamond-like carbon thin film. <i>Thin Solid Films</i> , 2012, 521, 158-162. | 1.8 | 5 |
| 16 | Investigation of copper and silver nanoparticles deposited on a nitrogen-doped diamond-like carbon (N-DLC) film electrode for bio-sensing. <i>Journal of the Korean Physical Society</i> , 2012, 60, 912-915. | 0.7 | 5 |
| 17 | Deposition of a-C:N films and evaluation of their robustness in electrochemical applications. <i>Thin Solid Films</i> , 2008, 516, 5231-5235. | 1.8 | 4 |
| 18 | TRIBOLOGICAL AND MECHANICAL PROPERTIES OF ALUMINUM CONTAINING TETRAHEDRAL AMORPHOUS CARBON FILMS. <i>International Journal of Modern Physics B</i> , 2002, 16, 946-951. | 2.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Diamond-Like Carbon Films for Electrochemical Sensor. Materials Science Forum, 2003, 437-438, 467-470. | 0.3 | 2 |
| 20 | Structure of post-annealed ferroelectric PbZrxTi1-xO3 and SrBi2Ta2O9 thin films. Thin Solid Films, 2003, 424, 79-83. | 1.8 | 1 |
| 21 | Surface-induced changes in the vibrational spectra of conducting polymer-carbon nanotube hybrid materials. Physica Status Solidi (B): Basic Research, 2009, 246, 2737-2739. | 1.5 | 1 |
| 22 | Native oxides and their effect on electrochemical characteristics of ta-C:N films. Surface and Coatings Technology, 2013, 228, S486-S489. | 4.8 | 1 |
| 23 | Stripping Voltammetric Analysis of Heavy Metals at Nitrogen Doped Diamond-Like Carbon Film Electrodes. , 2002, 14, 1294. | | 1 |
| 24 | Nickel Nanoparticles on Nitrogen-Doped Diamond-Like Carbon Thin Films: Variation in Nucleation Density with Deposition Potential. Science of Advanced Materials, 2014, 6, 2254-2259. | 0.7 | 0 |