Aiping Zeng

List of Publications by Year
in descending order

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Version: 2024-02-01

24 papers	553 citations	932766 10 h-index	676716 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. Diamond and Related Materials, 2002, 11, 160-168.	1.8	117
2	Diamond-like carbon (DLC) films as electrochemical electrodes. Diamond and Related Materials, 2014, 43, 12-22.	1.8	88
3	Stripping Voltammetric Analysis of Heavy Metals at Nitrogen Doped Diamond-Like Carbon Film Electrodes. Electroanalysis, 2002, 14, 1294-1298.	1.5	77
4	Cyclic Voltammetry Studies of Sputtered Nitrogen Doped Diamond-Like Carbon Film Electrodes. Electroanalysis, 2002, 14, 1110-1115.	1.5	70
5	Impedance study on electrochemical characteristics of sputtered DLC films. Thin Solid Films, 2003, 426, 258-264.	0.8	50
6	Ohmic contact to nitrogen doped amorphous carbon films. Surface and Coatings Technology, 2005, 198, 202-205.	2.2	29
7	Correlation between film structures and potential limits for hydrogen and oxygen evolutions at a-C:N film electrochemical electrodes. Carbon, 2008, 46, 663-670.	5.4	20
8	Semiconductor properties and redox responses at a-C:N thin film electrochemical electrodes. Diamond and Related Materials, 2009, 18, 1211-1217.	1.8	18
9	Spectroscopic and electrochemical study of hybrids containing conductive polymers and carbon nanotubes. Carbon, 2010, 48, 2773-2781.	5.4	18
10	Nickel nano-particle modified nitrogen-doped amorphous hydrogenated diamond-like carbon film for glucose sensing. Materials Research Bulletin, 2012, 47, 2713-2716.	2.7	14
11	Correlation of film structure and molecular oxygen reduction at nitrogen doped amorphous carbon thin film electrochemical electrodes. Diamond and Related Materials, 2009, 18, 1102-1108.	1.8	10
12	Plasma Treated Active Carbon for Capacitive Deionization of Saline Water. Journal of Nanomaterials, 2017, 2017, 1-8.	1.5	9
13	Compositional depth profile analysis of coatings on hard disks by X-ray photoelectron spectroscopy and imaging. Surface and Coatings Technology, 2003, 176, 93-102.	2.2	6
14	MICROSTRUCTURE AND ELECTROCHEMICAL BEHAVIOR OF SPUTTERED DIAMOND-LIKE CARBON FILMS. International Journal of Modern Physics B, 2002, 16, 1024-1030.	1.0	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. Thin Solid Films, 2012, 521, 158-162.	0.8	5
16	Investigation of copper and silver nanoparticles deposited on a nitrogen-doped diamond-like carbon (N-DLC) film electrode for bio-sensing. Journal of the Korean Physical Society, 2012, 60, 912-915.	0.3	5
17	Deposition of a-C:N films and evaluation of their robustness in electrochemical applications. Thin Solid Films, 2008, 516, 5231-5235.	0.8	4
18	TRIBOLOGICAL AND MECHANICAL PROPERTIES OF ALUMINUM CONTAINING TETRAHEDRAL AMORPHOUS CARBON FILMS. International Journal of Modern Physics B, 2002, 16, 946-951.	1.0	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 PbZrxTi1â€“xO3 and SrBi2Ta2O9 thin films. Thin Solid Films, 2003, 424, 79-83.	0.8	1
21	Surfaceâ€induced changes in the vibrational spectra of conducting polymer â€“ carbon nanotube hybrid materials. Physica Status Solidi (B): Basic Research, 2009, 246, 2737-2739.	0.7	1
22	Native oxides and their effect on electrochemical characteristics of ta-C:N films. Surface and Coatings Technology, 2013, 228, S486-S489.	2.2	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.	0.1	0