

Reliable determination of chemical state in x-ray photoelectron spectroscopy using sample-work-function referencing to adventitious carbon: constant binding energy of the C 1s peak

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Tutorial on interpreting x-ray photoelectron spectroscopy survey spectra: Questions and answers on spectra from the atomic layer deposition of Al ₂ O ₃ on silicon. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2018, 36, .	0.6	54
2	Investigation of microstructure and properties of magnetron sputtered Zr-Si-N thin films with different Si content. Surface and Coatings Technology, 2018, 353, 355-363.	2.2	17
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4	X-ray photoelectron spectroscopy studies of Ti _{1-x} Al _x N (0 ≤ x ≤ 0.83) high-temperature oxidation: The crucial role of Al concentration. Surface and Coatings Technology, 2019, 374, 923-934.	2.2	64
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10	Calibrations and checks of the binding-energy scales of X-ray photoelectron spectrometers. Journal of Electron Spectroscopy and Related Phenomena, 2022, 257, 146808.	0.8	2
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12	Influence of annealing on the structural and optical properties of gallium oxide films deposited on c-sapphire substrate. Vacuum, 2019, 167, 6-9.	1.6	24
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151	Optimizing the sulfur precursor for the synthesis of NiCo ₂ S ₄ nanoparticles as high performance supercapacitor electrodes. <i>Vacuum</i> , 2021, 192, 110499.	1.6	7
152	Flexible VO ₂ /Mica thin films with excellent phase transition properties fabricated by RF magnetron sputtering. <i>Vacuum</i> , 2021, 192, 110407.	1.6	10
153	Optimizing physical properties of Co-doped ZnO nanoparticles: Controlling oxygen vacancy and carrier concentration. <i>Vacuum</i> , 2021, 192, 110488.	1.6	8
154	In ₂ O ₃ film prepared by a PEALD process with balanced oxygen radical supply and ion bombardment damage. <i>Vacuum</i> , 2021, 192, 110411.	1.6	10
155	Tuning crystal structure of MnO ₂ during different hydrothermal synthesis temperature and its electrochemical performance as cathode material for zinc ion battery. <i>Vacuum</i> , 2021, 192, 110398.	1.6	11
156	Fast in-situ repair technology-a novel SPS process for the waste refractory W \hat{A} e ¹⁰ Ti targets. <i>Vacuum</i> , 2021, 192, 110406.	1.6	6
157	Improving the tribological and anti-corrosion property of the WS ₂ film through Ta doping. <i>Vacuum</i> , 2021, 192, 110485.	1.6	16
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160	Plasma phosphorization of self-adaptive electrode Cu ₃ P@RGO for lithium ion storage. <i>Vacuum</i> , 2021, 193, 110537.	1.6	9
161	Influences of modulation period on structure and properties of AlTiSiN/AlCrSiN nanocomposite multilayer coatings. <i>Vacuum</i> , 2021, 193, 110516.	1.6	13
162	Interface optimization of free-standing CdZnTe films for solar-blind ultraviolet detection: Substrate dependence. <i>Vacuum</i> , 2021, 193, 110484.	1.6	12

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163	Preparation of AgInS ₂ quantum dots and their application for Pb ²⁺ detection based on fluorescence quenching effect. <i>Vacuum</i> , 2021, 193, 110514.	1.6	11
164	The influence of nitrogen partial pressure on visible-light-driven photocatalytic activity of sputtered titanium oxynitride thin films. <i>Vacuum</i> , 2021, 193, 110540.	1.6	3
165	Enhanced CO sensing performance of WO ₃ nanorods with PtAg nanoparticles modification: A combined experimental and first-principle study. <i>Vacuum</i> , 2021, 193, 110526.	1.6	16
166	Room temperature deposition of very thin and flexible crystalline ITO thin film using 3-D facing-magnetron sputtering plasma source. <i>Vacuum</i> , 2021, 193, 110520.	1.6	7
167	Marked effects of Al-rich AlN transition layers on the performance of CdZnTe films for solar-blind photodetector. <i>Vacuum</i> , 2021, 193, 110539.	1.6	7
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169	Absolute work function measurement by using photoelectron spectroscopy. <i>Current Applied Physics</i> , 2021, 31, 52-59.	1.1	45
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171	Impact of deposition temperature on microstructure and properties of erbium oxide antireflective films deposited on CVD diamond substrates. <i>Vacuum</i> , 2021, 193, 110547.	1.6	8
172	Freeze drying under vacuum assisted synthesis of LiFePO ₄ @MWCNTs composite with phytic acid as phosphorus source for advanced Li-storage. <i>Vacuum</i> , 2021, 193, 110541.	1.6	11
173	Synthesize of 3D-conductive supramolecular gel and derived N-doped Fe@C as high-performance lithium-ion battery anodes. <i>Vacuum</i> , 2021, 193, 110532.	1.6	2
174	Deposition of Ni thin films on alumina foams by magnetron sputtering for application as heterogeneous catalysts. <i>Vacuum</i> , 2021, 194, 110565.	1.6	5
175	The growth mode of λ -Fe ₂ O ₃ thin films by DC magnetron sputtering. <i>Vacuum</i> , 2021, 194, 110625.	1.6	10
176	Effects of bias voltage and substrate temperature on the mechanical properties and oxidation behavior of CrSiN films. <i>Vacuum</i> , 2021, 194, 110580.	1.6	12
177	The comparative biological properties of Mg ⁺ or Ca ⁺ implanted Cu@TiN nanocomposite coatings on titanium alloys. <i>Vacuum</i> , 2021, 194, 110618.	1.6	6
178	Effect of sintering temperature on the microstructure and properties of Ti/W@C reinforced Fe-based composites. <i>Vacuum</i> , 2021, 194, 110617.	1.6	3
179	Degeneration and damage mechanism of Pseudomorphic Glass under 170 keV proton irradiation. <i>Vacuum</i> , 2021, 194, 110607.	1.6	1
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182	Adsorption mechanism for tetracycline onto magnetic Fe ₃ O ₄ nanoparticles: Adsorption isotherm and dynamic behavior, location of adsorption sites and interaction bonds. <i>Vacuum</i> , 2022, 195, 110634.	1.6	33
183	Atomic and Electronic Structure of Zircon According to High-Resolution X-Ray Photoelectron Spectroscopy: Methodological Aspects. <i>Springer Proceedings in Earth and Environmental Sciences</i> , 2020, , 221-233.	0.2	1
184	Plant-mediated synthesis of dual-functional Eggshell/Ag nanocomposites towards catalysis and antibacterial applications. <i>Materials Science and Engineering C</i> , 2020, 113, 111015.	3.8	26
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188	Influence of pulsed Al deposition on quality of Al-rich Al(Ga)N structures grown by molecular beam epitaxy. <i>Surfaces and Interfaces</i> , 2021, 27, 101560.	1.5	2
189	Bio-templated fabrication of chain-spherical V ₂ O ₅ /C composites from dandelion fiber for high-efficiency electromagnetic wave absorption. <i>Vacuum</i> , 2022, 195, 110683.	1.6	15
190	Order of magnitude enhancement of inherently selective atomic layer deposition of zirconia on silicon without deposition on copper: The role of precursor. <i>Vacuum</i> , 2022, 195, 110686.	1.6	5
191	MnO ₂ /NiCo ₂ O ₄ loaded on nickel foam as a high-performance electrode for advanced asymmetric supercapacitor. <i>Vacuum</i> , 2022, 195, 110668.	1.6	20
192	Nitrogen-doped carbon oxide quantum dots for flexible humidity sensor: Experimental and SCC-DFTB study. <i>Vacuum</i> , 2022, 195, 110648.	1.6	28
193	Effect of regulating compressive strains on thermal transport of silicon-based amorphous silica thin films and interfacial thermal resistance. <i>Vacuum</i> , 2022, 195, 110676.	1.6	1
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195	SiO ₂ hollow nanotubes composite aramid fiber interlayer for absorption of polysulfides in highly stable lithium-sulfur batteries. <i>Vacuum</i> , 2022, 195, 110684.	1.6	5
196	Deposition and characterization of (In _{1-x} Al _x) ₂ O ₃ films with tunable photoelectric properties. <i>Vacuum</i> , 2021, 195, 110680.	1.6	0
197	Effect of current on electrodeposited MnO ₂ as supercapacitor and lithium-ion battery electrode. <i>Vacuum</i> , 2022, 195, 110692.	1.6	14
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200	Tribological interactions between TiN PVD coating and MoDTC under boundary lubrication conditions. <i>Vacuum</i> , 2022, 195, 110646.	1.6	8
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202	Transparent and conductive IZO films: Oxygen and discharge voltage controlled sputtering growth and properties. <i>Vacuum</i> , 2022, 195, 110645.	1.6	6
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208	Investigations on microstructure and mechanical properties of AlCrB(O)N coatings deposited under various nitrogen partial pressures. <i>Vacuum</i> , 2021, , 110726.	1.6	5
209	An active Zn _x Ni _{1-x} S@Mo ₂ C/carbon cloth electrode as efficient catalyst for water electrolysis. <i>Vacuum</i> , 2022, 196, 110729.	1.6	7
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212	The coupling effect of vacuum, pressure and temperature on microstructure and mechanical properties of PM aluminum alloy. <i>Vacuum</i> , 2022, 196, 110728.	1.6	10
213	Growth and characterization of NiWO nanorod films prepared by reactive magnetron co-sputtering with oblique angle deposition. <i>Vacuum</i> , 2022, 196, 110777.	1.6	2
214	Photothermal polydopamine coated VO ₂ nanoparticle thin film with enhanced optical property and stability. <i>Vacuum</i> , 2022, 196, 110776.	1.6	5
215	Effect of CeO ₂ nanoparticles on the microstructure and properties of the NiCo-CeO ₂ composite coatings. <i>Vacuum</i> , 2022, 196, 110765.	1.6	18
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219	Improving surface wettability and adhesion property of polytetrafluoroethylene by atmospheric-pressure ammonia water-mixed plasma treatment. Vacuum, 2022, 196, 110763.	1.6	11
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230	Effects of 170 keV proton and electron combined irradiation upon behaviors of thermosetting shape memory epoxy resin. Vacuum, 2022, 197, 110804.	1.6	5
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239	Microstructure evolution and high-temperature tribological behavior of AlCrBN coatings with various B contents. <i>Surface and Coatings Technology</i> , 2022, 430, 127994.	2.2	6
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244	Hierarchical porous multi-element doped carbon material derived from abutilon for High-performance supercapacitors. <i>Vacuum</i> , 2022, 198, 110875.	1.6	3
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254	Reduced graphene oxide coated manganese dioxide electrode prepared by polyvinylpyrrolidone assisted electrodeposition. <i>Vacuum</i> , 2022, 199, 110925.	1.6	8
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280	Synthesis and photoresponse study of vertically oriented CuO/ZnO nanorod arrays based on solution methods. <i>Vacuum</i> , 2022, 200, 111058.	1.6	5
281	Preparation of VO ₂ films via microspacing in-air sublimation method. <i>Vacuum</i> , 2022, 200, 110996.	1.6	3
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285	Energy level matching between transparent conducting electrodes and the electronic transport layer to enhance performance of all-inorganic CsPbBr ₃ solar cells. <i>Vacuum</i> , 2022, 200, 111028.	1.6	4
286	Ion bombardment effect on properties of MoO thin film under different PEALD plasma exposure time. <i>Vacuum</i> , 2022, 200, 111025.	1.6	0
287	Thermal and mechanical properties of (W,Zr)B _{2-z} coatings deposited by RF magnetron sputtering method. <i>International Journal of Refractory Metals and Hard Materials</i> , 2022, 105, 105811.	1.7	3
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292	Microstructure and tribological properties of Ni ₃ Alâ€“Cr ₃ C ₂ /Ni ₃ Al micro-laminate composite films fabricated by electrohydrodynamic atomization technique. <i>Vacuum</i> , 2022, 200, 110979.	1.6	5
293	Conductive SnO ₂ -x thin films deposited by thermal ALD with H ₂ O reactant. <i>Vacuum</i> , 2022, 200, 111018.	1.6	7
294	Solution-processed Y-doped SnSrO ₃ electron transport layer for Ga ₂ O ₃ based heterojunction solar-blind photodetector with high sensitivity. <i>Vacuum</i> , 2022, 201, 111064.	1.6	26
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301	Preparation of High-Thickness nâ€“-Ga ₂ O ₃ Film by MOCVD. <i>Coatings</i> , 2022, 12, 645.	1.2	5
302	Surface morphology and chemical microstructure of glow discharge polymer films prepared by plasma enhanced chemical vapor deposition at various Ar/H ₂ ratios. <i>Vacuum</i> , 2022, , 111142.	1.6	2
303	Ultrahigh methane sensing properties based on Ni-doped hierarchical porous In ₂ O ₃ microspheres at low temperature. <i>Vacuum</i> , 2022, 202, 111149.	1.6	4
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305	Detailed surface studies on the reduction of Al incorporation into AlGaIn grown by molecular beam epitaxy in the Ga-droplet regime. <i>Vacuum</i> , 2022, 202, 111168.	1.6	4
306	Exploring epitaxial growth of ZnTe thin films on Si substrates. <i>Vacuum</i> , 2022, 202, 111163.	1.6	1

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323	Oxygen annealing induced crystallization and cracking of pulsed laser deposited Ga ₂ O ₃ films. Vacuum, 2022, 202, 111176.	1.6	10
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326	Etching characteristics of low-k SiCOH thin films under fluorocarbon-based plasmas. <i>Vacuum</i> , 2022, 202, 111165.	1.6	1
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334	Effect of trace water in ammonia on breaking passive film of stainless steel during gas nitriding. <i>Vacuum</i> , 2022, 202, 111216.	1.6	2
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457	Metal Oxide Nanoparticles: Review of Synthesis, Characterization and Biological Effects. <i>Journal of Functional Biomaterials</i> , 2022, 13, 274.	1.8	26
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467	Systematic investigations on morphological properties of aluminum-doped zinc oxide transparent electrode prepared from pulsed laser deposition and its electrochromic application. <i>Vacuum</i> , 2023, 209, 111797.	1.6	1
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