

Per Morgen Or P Morgen Or J Morgen

List of Publications by Year
in descending order

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97
papers

1,705
citations

331538

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h-index

345118

36
g-index

99
all docs

99
docs citations

99
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial stages of oxygen adsorption on Si(111). II. The molecular precursor. Physical Review B, 1989, 40, 1130-1145.	1.1	140
2	Initial stages of oxygen adsorption on Si(111): The stable state. Physical Review B, 1989, 39, 3720-3734.	1.1	133
3	Metastable molecular precursor for the dissociative adsorption of oxygen on Si(111). Physical Review Letters, 1985, 55, 2979-2982.	2.9	130
4	Tribological properties of automotive disc brakes with solid lubricants. Wear, 1999, 232, 168-175.	1.5	94
5	SiC nanocrystals as Pt catalyst supports for fuel cell applications. Journal of Materials Chemistry A, 2013, 1, 6030-6036.	5.2	69
6	Dispersion of optical second-harmonic generation from Si(111)7Å—7. Physical Review B, 1995, 52, R2277-R2280.	1.1	40
7	Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. Langmuir, 2017, 33, 6062-6070.	1.6	40
8	Gliding arc surface treatment of glass-fiber-reinforced polyester enhanced by ultrasonic irradiation. Surface and Coatings Technology, 2011, 205, S490-S494.	2.2	36
9	Fabrication of Large-Area Self-Organizing Gold Nanostructures with Sub-10 nm Gaps on a Porous Al ₂ O ₃ Template for Application as a SERS-Substrate. Journal of Physical Chemistry C, 2009, 113, 14165-14171.	1.5	35
10	Oxygen reduction and methanol oxidation behaviour of SiC based Pt nanocatalysts for proton exchange membrane fuel cells. Journal of Materials Chemistry A, 2013, 1, 15509-15516.	5.2	35
11	Inelastic scattering of deuterons and $\hat{1}\pm$ -particles on 191Ir and 193Ir. Nuclear Physics A, 1971, 162, 449-460.	0.6	34
12	Cellulose hydrolysis over silica modified with chlorosulphonic acid in one pot synthesis. Applied Catalysis A: General, 2014, 475, 226-234.	2.2	29
13	Roads to ultrathin silicon oxides. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 201-207.	0.9	28
14	The stages of oxygen adsorption on polycrystalline iron studied through factor analysis applied to okll and FeM23VV d(NE)/dE auger spectra. Surface Science, 1990, 233, 84-88.	0.8	26
15	Study of the initial stage of aluminium anodization in malonic acid solution. Electrochimica Acta, 1987, 32, 1125-1127.	2.6	25
16	Formation of the Pt _i —Si(111) interface. Surface Science, 1988, 197, 347-362.	0.8	25
17	Fluorination of polymethylmethacrylate with tetrafluoroethane using DC glow discharge plasma. Applied Surface Science, 2008, 254, 5722-5726.	3.1	25
18	Scandium and lutetium surfaces studied by reflection electron energy-loss spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1980, 18, 29-41.	0.8	24

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19	The level structure of 187Os. Nuclear Physics A, 1973, 204, 81-96.	0.6	23
20	The interaction of CO ₂ with potassium-promoted Cu(100): adsorption, reactions and radiation induced dissociation of CO ₂ . Surface Science, 1995, 336, 101-112.	0.8	23
21	The lineshape of the L _{2,3} VV Auger spectrum of silicon. Surface Science, 1980, 99, 87-102.	0.8	22
22	Valence band studies of the formation of ultrathin pure silicon nitride films on Si(100). Surface Science, 2006, 600, 2966-2971.	0.8	22
23	Increasing fuel cell durability during prolonged and intermittent fuel starvation using supported IrOx. Journal of Power Sources, 2021, 490, 229568.	4.0	21
24	Mechanisms for oxygen adsorption on the Si(110) surface studied by Auger electron spectroscopy. Surface Science, 1981, 111, 545-554.	0.8	20
25	Optical second-harmonic generation and photoemission from quantum well states in thin Ag films on Si(1 1 1). Surface Science, 2001, 482-485, 735-739.	0.8	20
26	Growth of SiC nanowhiskers from wooden precursors, separation, and characterization. Ceramics International, 2011, 37, 3759-3764.	2.3	19
27	Surface charging, discharging and chemical modification at a sliding contact. Journal of Applied Physics, 2012, 111, .	1.1	18
28	Different stages of aluminium anodization studied with depth profiling techniques. Electrochimica Acta, 1988, 33, 517-519.	2.6	17
29	Ultrasound Enhanced Plasma Treatment of Glass-Fibre-Reinforced Polyester in Atmospheric Pressure Air for Adhesion Improvement. Journal of Adhesion, 2011, 87, 720-731.	1.8	17
30	Pt/C Electrocatalyst Durability Enhancement by Inhibition of Pt Nanoparticle Growth Through Microwave Pretreatment of Carbon Support. ChemElectroChem, 2021, 8, 1183-1195.	1.7	17
31	Observation of changes in the electronic density of states at a Si (111) surface during adsorption of oxygen by Auger electron spectroscopy. Applied Physics Letters, 1979, 34, 488-490.	1.5	16
32	Second-harmonic generation spectroscopy on quantum wells: Au on Si(111). Applied Physics B: Lasers and Optics, 1999, 68, 637-640.	1.1	16
33	Ultra thin silicon nitride films on Si(100) studied with core level photoemission. Surface Science, 2008, 602, 2315-2324.	0.8	16
34	Conversion of wooden structures into porous SiC with shape memory synthesis. Ceramics International, 2011, 37, 3281-3289.	2.3	16
35	Ultrasound enhanced 50â€™Hz plasma treatment of glass-fiber-reinforced polyester at atmospheric pressure. Journal of Adhesion Science and Technology, 2013, 27, 825-833.	1.4	15
36	Convolution and deconvolution in Auger electron spectroscopy with application to silicon. Journal of Vacuum Science and Technology, 1978, 15, 44-49.	1.9	14

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37	Factor analysis of d(NE)/dE Auger electron spectra of AuCu alloys: Surface composition during Ar ⁺ ion bombardment and oxidation. <i>Surface and Interface Analysis</i> , 1990, 15, 1-6.	0.8	14
38	Adsorption of Li, Cs, and O on CdTe. <i>Physical Review B</i> , 1995, 52, 1852-1858.	1.1	14
39	Dispersion of optical second-harmonic generation of Si(111) 7Å–7 during oxygen adsorption. <i>Physical Review B</i> , 1996, 53, 9544-9547.	1.1	14
40	Room temperature adsorption of Cs on Si(111)-(7 Å– 7) studied by optical second-harmonic generation. <i>Surface Science</i> , 1997, 391, 252-259.	0.8	14
41	Optimum Cu buffer layer thickness for growth of metal overlayers on Si (111). <i>Physical Review B</i> , 2002, 66, .	1.1	14
42	Crystalline Disorder, Surface Chemistry, and Their Effects on the Oxygen Evolution Reaction (OER) Activity of Mass-Produced Nanostructured Iridium Oxides. <i>ACS Applied Energy Materials</i> , 2021, 4, 2552-2562.	2.5	14
43	The level structure of 189Os. <i>Nuclear Physics A</i> , 1975, 252, 477-495.	0.6	13
44	Characterisation of Au films on Si() -Au by photoemission and optical second-harmonic generation. <i>Surface Science</i> , 2003, 523, 21-29.	0.8	13
45	Controlling Interparticle Gaps in Self-Organizing Gold Nanostructures on Templates Made by a Modified Hard Anodization Technique. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3459-3465.	1.5	13
46	Hemispherical Shell Nanostructures from Metal-Stripped Embossed Alumina on Aluminum Templates. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5552-5560.	1.5	11
47	From oxygen adsorption to the growth of thin oxides on silicon surfaces. <i>Computational Materials Science</i> , 2001, 21, 481-487.	1.4	10
48	Synthesis, characterization, and wear and friction properties of variably structured SiC/Si elements made from wood by molten Si impregnation. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1105-1116.	2.8	10
49	Investigations On Sputter Deposited LiCoO ₂ Thin Films From Powder Target. <i>Advanced Materials Letters</i> , 2013, 4, 615-620.	0.3	10
50	Conductivity of powdered ZnO with chemisorbed oxygen during photodesorption. <i>Journal of Applied Physics</i> , 1976, 47, 5094-5096.	1.1	9
51	Changes in the structural properties of a Si(111) surface during ion bombardment, as revealed by Auger electron spectroscopy. <i>Journal of Vacuum Science and Technology</i> , 1980, 17, 578-581.	1.9	9
52	Inhibition of Ostwald ripening through surface switching species during potentiodynamic dissolution of platinum nanoparticles as an efficient strategy for platinum group metal (PGM) recovery. <i>Electrochimica Acta</i> , 2019, 321, 134662.	2.6	9
53	Oxidation of Hg _{1-x} Cd _x Te studied with surface sensitive techniques. <i>Journal of Electronic Materials</i> , 1982, 11, 597-610.	1.0	8
54	The Si(L23VV) and Pt(N7OO) lineshapes at Pt/Si interfaces and in PtSi. <i>Surface Science</i> , 1989, 208, 306-316.	0.8	8

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55	Structural and chemical characterization of as-deposited microcrystalline indium oxide films prepared by dc reactive magnetron sputtering. <i>Journal of Electronic Materials</i> , 1999, 28, 26-34.	1.0	8
56	Tribological properties of sulfur-implanted steel. <i>Surface and Coatings Technology</i> , 2004, 179, 165-175.	2.2	8
57	Plasma assisted growth of ultrathin nitrides on Si surfaces under ultrahigh vacuum conditions. <i>Journal of Physics: Conference Series</i> , 2007, 86, 012019.	0.3	8
58	Tuning surface plasmons in interconnected hemispherical Au shells. <i>Optics Express</i> , 2012, 20, 534.	1.7	8
59	Platinum recycling through electroless dissolution under mild conditions using a surface activation assisted Pt-complexing approach. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13030-13040.	1.3	8
60	Stability of an atomically clean Hg _{1-x} CdxTe surface in vacuum and under O ₂ exposure. <i>Journal of Crystal Growth</i> , 1982, 56, 493-497.	0.7	7
61	Room-temperature deposition and growth of Au on clean and oxygen passivated Si(111) surfaces investigated by optical second-harmonic generation. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 9497-9506.	0.7	7
62	Plasmon Excitations in Thin Alkali Metal Films on Si(111) 7 Å–7. <i>Physica Status Solidi A</i> , 1998, 170, 411-416.	1.7	7
63	Epitaxial growth of thin Ag and Au films on Si(111) using thin copper silicide buffer layers. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2003, 21, 1431-1435.	0.9	7
64	Ordered Au(111) layers on Si(111). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007, 25, 908-911.	0.9	7
65	Electric field gradient tensors in CuBr ₂ . <i>Journal of Chemical Physics</i> , 1975, 62, 2183-2186.	1.2	6
66	Desorption from powdered ZnO during electron bombardment and interaction with atomic hydrogen. <i>Journal of Applied Physics</i> , 1977, 48, 3443-3447.	1.1	6
67	Design for a versatile sample manipulator and heater for ultrahigh vacuum. <i>Journal of Vacuum Science and Technology</i> , 1979, 16, 89-91.	1.9	6
68	Surface morphology of SiO ₂ on a Si(111) 7 Å–7 surface formed after alternating exposure to caesium and oxygen and subsequent annealing. <i>Surface Science</i> , 2002, 498, 11-20.	0.8	6
69	Surface-enhanced Raman microscopy of hemispherical shells stripped from templates of anodized aluminum. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 834-341.	1.2	6
70	The role of aluminium as an additive element in the synthesis of porous 4H-silicon carbide. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3267-3278.	2.8	6
71	Chemical characterization of as-deposited microcrystalline indium oxide films prepared by reactive dc magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 67, 295-301.	1.1	5
72	Two-photon luminescence microscopy of large-area gold nanostructures on templates of anodized aluminum. <i>Optics Express</i> , 2010, 18, 17040.	1.7	5

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73	Oxidation of the surface of a thin amorphous silicon film. <i>Thin Solid Films</i> , 2011, 520, 697-699.	0.8	5
74	Fluoropolymer coated alanine films treated by atmospheric pressure plasmas $\hat{\wedge}$ In comparison with gamma irradiation. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700131.	1.6	5
75	Highly stable silver nanoparticles for SERS applications. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012098.	0.3	5
76	Deposition and growth of Ag on Si(111) surfaces studied by optical second-harmonic generation. <i>Surface and Interface Analysis</i> , 1998, 26, 872-875.	0.8	4
77	Optical second-harmonic generation and photoemission from Al quantum wells on Si(111) 7\AA –7. <i>Thin Solid Films</i> , 2003, 443, 78-83.	0.8	4
78	Growth of thin SiC films on Si single crystal wafers with a microwave excited plasma of methane gas. <i>Thin Solid Films</i> , 2013, 536, 130-135.	0.8	4
79	Systematic oscillation of peak positions in photoemission spectra during alternating caesium and oxygen exposures of silicon surfaces. <i>Applied Surface Science</i> , 2001, 177, 122-128.	3.1	3
80	Second-harmonic generation spectroscopy on reconstructed Si(111) surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 3065-3069.	0.8	3
81	Epitaxial growth of Al on Si(111) with Cu buffer layers. <i>Surface Science</i> , 2006, 600, 610-616.	0.8	3
82	Photoelectron spectroscopy as an in situ contact-less method for studies of MOS properties of ultrathin oxides on Si. <i>Applied Surface Science</i> , 2015, 353, 1208-1213.	3.1	3
83	The effect of trace amounts of copper on the microstructure, stability and oxidation of macroporous silicon carbide. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3279-3284.	2.8	3
84	On the Electrochemical Stability of PtRu Alloy Electrodes in Aqueous Acidic Baths: A Strategy for Recycling Pt and Ru. <i>Journal of the Electrochemical Society</i> , 2020, 167, 024521.	1.3	3
85	Nanostructured Films on Silicon Surfaces. <i>NATO Science Series Series II, Mathematics, Physics and Chemistry</i> , 2006, , 229-255.	0.1	3
86	NQR spectroscopy with cobalt(II) dihydrate iodide. <i>Journal of Chemical Physics</i> , 1974, 60, 5139-5139.	1.2	2
87	Summary Abstract: Cation bonds in $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$. <i>Journal of Vacuum Science and Technology</i> , 1982, 21, 467-468.	1.9	2
88	Thin film reactions on silicon surfaces and the quality of metal-semiconductor interfaces. <i>Surface Science</i> , 1986, 168, 212-224.	0.8	2
89	MOS Properties of Ultra Thin Oxides on Silicon. <i>Physica Scripta</i> , 2002, T101, 26.	1.2	2
90	Nanostructured Materials in Different Dimensions for Sensing Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2011, , 257-273.	0.2	2

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91	Growth of aluminum oxide on silicon carbide with an atomically sharp interface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 01B142.	0.9	2
92	Summary Abstract: Oxygen adsorption on Si(110) studied by Auger electron spectroscopy. Journal of Vacuum Science and Technology, 1981, 18, 908-909.	1.9	1
93	Thin noble metal films on Si(111) investigated by optical second-harmonic generation and photoemission. Applied Physics B: Lasers and Optics, 2002, 74, 677-682.	1.1	1
94	Ion etching methods for depth profiling of complex three-dimensional samples in combination with scanning Auger electron microscopy. Vacuum, 2008, 82, 922-929.	1.6	1
95	Two-photon luminescence microscopy of tunable gold nanostructures randomly distributed on templates of anodized aluminum. Proceedings of SPIE, 2010, , .	0.8	0
96	The Role of Aluminium in the Synthesis of Mesoporous 4H Silicon Carbide. Materials Science Forum, 0, 821-823, 970-973.	0.3	0
97	Field Enhancement in Plasmonic Gold Nanostructures on Templates of Anodized Aluminum for Sensor Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 275-280.	0.2	0