

# 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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345118

36  
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99  
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docs citations

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times ranked

1209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystalline Disorder, Surface Chemistry, and Their Effects on the Oxygen Evolution Reaction (OER) Activity of Mass-Produced Nanostructured Iridium Oxides. ACS Applied Energy Materials, 2021, 4, 2552-2562.	2.5	14
2	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
3	Increasing fuel cell durability during prolonged and intermittent fuel starvation using supported IrOx. Journal of Power Sources, 2021, 490, 229568.	4.0	21
4	Platinum recycling through electroless dissolution under mild conditions using a surface activation assisted Pt-complexing approach. Physical Chemistry Chemical Physics, 2020, 22, 13030-13040.	1.3	8
5	On the Electrochemical Stability of PtRu Alloy Electrodes in Aqueous Acidic Baths: A Strategy for Recycling Pt and Ru. Journal of the Electrochemical Society, 2020, 167, 024521.	1.3	3
6	Inhibition of Ostwald ripening through surface switching species during potentiodynamic dissolution of platinum nanoparticles as an efficient strategy for platinum group metal (PGM) recovery. Electrochimica Acta, 2019, 321, 134662.	2.6	9
7	Fluoropolymer coated alanine films treated by atmospheric pressure plasmas $\hat{\sim}$ In comparison with gamma irradiation. Plasma Processes and Polymers, 2018, 15, 1700131.	1.6	5
8	Highly stable silver nanoparticles for SERS applications. Journal of Physics: Conference Series, 2018, 1092, 012098.	0.3	5
9	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
10	Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. Langmuir, 2017, 33, 6062-6070.	1.6	40
11	The role of aluminium as an additive element in the synthesis of porous 4H-silicon carbide. Journal of the European Ceramic Society, 2016, 36, 3267-3278.	2.8	6
12	The effect of trace amounts of copper on the microstructure, stability and oxidation of macroporous silicon carbide. Journal of the European Ceramic Society, 2016, 36, 3279-3284.	2.8	3
13	Photoelectron spectroscopy as an in situ contact-less method for studies of MOS properties of ultrathin oxides on Si. Applied Surface Science, 2015, 353, 1208-1213.	3.1	3
14	Cellulose hydrolysis over silica modified with chlorosulphonic acid in one pot synthesis. Applied Catalysis A: General, 2014, 475, 226-234.	2.2	29
15	SiC nanocrystals as Pt catalyst supports for fuel cell applications. Journal of Materials Chemistry A, 2013, 1, 6030-6036.	5.2	69
16	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
17	Growth of thin SiC films on Si single crystal wafers with a microwave excited plasma of methane gas. Thin Solid Films, 2013, 536, 130-135.	0.8	4
18	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

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19	Investigations On Sputter Deposited LiCoO <sub>2</sub> Thin Films From Powder Target. <i>Advanced Materials Letters</i> , 2013, 4, 615-620.	0.3	10
20	Surface charging, discharging and chemical modification at a sliding contact. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	18
21	Tuning surface plasmons in interconnected hemispherical Au shells. <i>Optics Express</i> , 2012, 20, 534.	1.7	8
22	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
23	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
24	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
25	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
26	Gliding arc surface treatment of glass-fiber-reinforced polyester enhanced by ultrasonic irradiation. <i>Surface and Coatings Technology</i> , 2011, 205, S490-S494.	2.2	36
27	Oxidation of the surface of a thin amorphous silicon film. <i>Thin Solid Films</i> , 2011, 520, 697-699.	0.8	5
28	Conversion of wooden structures into porous SiC with shape memory synthesis. <i>Ceramics International</i> , 2011, 37, 3281-3289.	2.3	16
29	Growth of SiC nanowhiskers from wooden precursors, separation, and characterization. <i>Ceramics International</i> , 2011, 37, 3759-3764.	2.3	19
30	Ultrasound Enhanced Plasma Treatment of Glass-Fibre-Reinforced Polyester in Atmospheric Pressure Air for Adhesion Improvement. <i>Journal of Adhesion</i> , 2011, 87, 720-731.	1.8	17
31	Field Enhancement in Plasmonic Gold Nanostructures on Templates of Anodized Aluminum for Sensor Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2011, , 275-280.	0.2	0
32	Two-photon luminescence microscopy of tunable gold nanostructures randomly distributed on templates of anodized aluminum. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
33	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
34	Two-photon luminescence microscopy of large-area gold nanostructures on templates of anodized aluminum. <i>Optics Express</i> , 2010, 18, 17040.	1.7	5
35	Fabrication of Large-Area Self-Organizing Gold Nanostructures with Sub-10 nm Gaps on a Porous Al <sub>2</sub> O <sub>3</sub> Template for Application as a SERS-Substrate. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14165-14171.	1.5	35
36	Fluorination of polymethylmethacrylate with tetrafluoroethane using DC glow discharge plasma. <i>Applied Surface Science</i> , 2008, 254, 5722-5726.	3.1	25

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37	Ultra thin silicon nitride films on Si(100) studied with core level photoemission. Surface Science, 2008, 602, 2315-2324.	0.8	16
38	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
39	Ordered Au(111) layers on Si(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 908-911.	0.9	7
40	Plasma assisted growth of ultrathin nitrides on Si surfaces under ultrahigh vacuum conditions. Journal of Physics: Conference Series, 2007, 86, 012019.	0.3	8
41	Epitaxial growth of Al on Si(111) with Cu buffer layers. Surface Science, 2006, 600, 610-616.	0.8	3
42	Valence band studies of the formation of ultrathin pure silicon nitride films on Si(100). Surface Science, 2006, 600, 2966-2971.	0.8	22
43	Nanostructured Films on Silicon Surfaces. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 229-255.	0.1	3
44	Roads to ultrathin silicon oxides. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 201-207.	0.9	28
45	Tribological properties of sulfur-implanted steel. Surface and Coatings Technology, 2004, 179, 165-175.	2.2	8
46	Characterisation of Au films on Si(111)-Au by photoemission and optical second-harmonic generation. Surface Science, 2003, 523, 21-29.	0.8	13
47	Second-harmonic generation spectroscopy on reconstructed Si(111) surfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3065-3069.	0.8	3
48	Optical second-harmonic generation and photoemission from Al quantum wells on Si(111) 7 $\times$ 7. Thin Solid Films, 2003, 443, 78-83.	0.8	4
49	Epitaxial growth of thin Ag and Au films on Si(111) using thin copper silicide buffer layers. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1431-1435.	0.9	7
50	MOS Properties of Ultra Thin Oxides on Silicon. Physica Scripta, 2002, T101, 26.	1.2	2
51	Optimum Cu buffer layer thickness for growth of metal overlayers on Si (111). Physical Review B, 2002, 66, .	1.1	14
52	Surface morphology of SiO <sub>2</sub> on a Si(111) 7 $\times$ 7 surface formed after alternating exposure to caesium and oxygen and subsequent annealing. Surface Science, 2002, 498, 11-20.	0.8	6
53	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
54	From oxygen adsorption to the growth of thin oxides on silicon surfaces. Computational Materials Science, 2001, 21, 481-487.	1.4	10

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55	Optical second-harmonic generation and photoemission from quantum well states in thin Ag films on Si(1 1 1). <i>Surface Science</i> , 2001, 482-485, 735-739.	0.8	20
56	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
57	Tribological properties of automotive disc brakes with solid lubricants. <i>Wear</i> , 1999, 232, 168-175.	1.5	94
58	Second-harmonic generation spectroscopy on quantum wells: Au on Si(111). <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 637-640.	1.1	16
59	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
60	Plasmon Excitations in Thin Alkali Metal Films on Si(111) $7\text{Å}-7$ . <i>Physica Status Solidi A</i> , 1998, 170, 411-416.	1.7	7
61	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
62	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
63	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
64	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
65	Dispersion of optical second-harmonic generation of Si(111) $7\text{Å}-7$ during oxygen adsorption. <i>Physical Review B</i> , 1996, 53, 9544-9547.	1.1	14
66	Adsorption of Li, Cs, and O on CdTe. <i>Physical Review B</i> , 1995, 52, 1852-1858.	1.1	14
67	Dispersion of optical second-harmonic generation from Si(111) $7\text{Å}-7$ . <i>Physical Review B</i> , 1995, 52, R2277-R2280.	1.1	40
68	The interaction of CO <sub>2</sub> with potassium-promoted Cu(100): adsorption, reactions and radiation induced dissociation of CO <sub>2</sub> . <i>Surface Science</i> , 1995, 336, 101-112.	0.8	23
69	Factor analysis of d(NE)/dE Auger electron spectra of AuCu alloys: Surface composition during Ar <sup>+</sup> ion bombardment and oxidation. <i>Surface and Interface Analysis</i> , 1990, 15, 1-6.	0.8	14
70	The stages of oxygen adsorption on polycrystalline iron studied through factor analysis applied to oKll and FeM23VV d(NE)/dE auger spectra. <i>Surface Science</i> , 1990, 233, 84-88.	0.8	26
71	Initial stages of oxygen adsorption on Si(111): The stable state. <i>Physical Review B</i> , 1989, 39, 3720-3734.	1.1	133
72	Initial stages of oxygen adsorption on Si(111). II. The molecular precursor. <i>Physical Review B</i> , 1989, 40, 1130-1145.	1.1	140

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73	The Si(L23VV) and Pt(N7OO) lineshapes at Pt/Si interfaces and in PtSi. Surface Science, 1989, 208, 306-316.	0.8	8
74	Different stages of aluminium anodization studied with depth profiling techniques. Electrochimica Acta, 1988, 33, 517-519.	2.6	17
75	Formation of the Pt-Si(111) interface. Surface Science, 1988, 197, 347-362.	0.8	25
76	Study of the initial stage of aluminium anodization in malonic acid solution. Electrochimica Acta, 1987, 32, 1125-1127.	2.6	25
77	Thin film reactions on silicon surfaces and the quality of metal-semiconductor interfaces. Surface Science, 1986, 168, 212-224.	0.8	2
78	Metastable molecular precursor for the dissociative adsorption of oxygen on Si(111). Physical Review Letters, 1985, 55, 2979-2982.	2.9	130
79	Summary Abstract: Cation bonds in Hg <sub>1-x</sub> Cd <sub>x</sub> Te. Journal of Vacuum Science and Technology, 1982, 21, 467-468.	1.9	2
80	Oxidation of Hg <sub>1-x</sub> Cd <sub>x</sub> Te studied with surface sensitive techniques. Journal of Electronic Materials, 1982, 11, 597-610.	1.0	8
81	Stability of an atomically clean Hg <sub>1-x</sub> Cd <sub>x</sub> Te surface in vacuum and under O <sub>2</sub> exposure. Journal of Crystal Growth, 1982, 56, 493-497.	0.7	7
82	Mechanisms for oxygen adsorption on the Si(110) surface studied by Auger electron spectroscopy. Surface Science, 1981, 111, 545-554.	0.8	20
83	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
84	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
85	Changes in the structural properties of a Si(111) surface during ion bombardment, as revealed by Auger electron spectroscopy. Journal of Vacuum Science and Technology, 1980, 17, 578-581.	1.9	9
86	The lineshape of the L <sub>2,3</sub> VV Auger spectrum of silicon. Surface Science, 1980, 99, 87-102.	0.8	22
87	Design for a versatile sample manipulator and heater for ultrahigh vacuum. Journal of Vacuum Science and Technology, 1979, 16, 89-91.	1.9	6
88	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
89	Convolution and deconvolution in Auger electron spectroscopy with application to silicon. Journal of Vacuum Science and Technology, 1978, 15, 44-49.	1.9	14
90	Desorption from powdered ZnO during electron bombardment and interaction with atomic hydrogen. Journal of Applied Physics, 1977, 48, 3443-3447.	1.1	6

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91	Conductivity of powdered ZnO with chemisorbed oxygen during photodesorption. Journal of Applied Physics, 1976, 47, 5094-5096.	1.1	9
92	The level structure of 189Os. Nuclear Physics A, 1975, 252, 477-495.	0.6	13
93	Electric field gradient tensors in CuBr <sub>2</sub> . Journal of Chemical Physics, 1975, 62, 2183-2186.	1.2	6
94	NQR spectroscopy with cobalt(II) dihydrate iodide. Journal of Chemical Physics, 1974, 60, 5139-5139.	1.2	2
95	The level structure of 187Os. Nuclear Physics A, 1973, 204, 81-96.	0.6	23
96	Inelastic scattering of deuterons and $\hat{1}\pm$ -particles on 191Ir and 193Ir. Nuclear Physics A, 1971, 162, 449-460.	0.6	34
97	The Role of Aluminium in the Synthesis of Mesoporous 4H Silicon Carbide. Materials Science Forum, 0, 821-823, 970-973.	0.3	0