Anders Sandell

List of Publications by Year
in descending order

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123	3,555	109264	155592
papers	citations	35 h-index	55 g-index

124	124	124	3702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoemission spectroscopy at MAXâ€Lab. Synchrotron Radiation News, 1991, 4, 15-19.	0.2	232
2	Determination of time scales for charge-transfer screening in physisorbed molecules. Physical Review Letters, 1992, 68, 1892-1895.	2.9	188
3	Overlayer structure from adsorbate and substrate core level binding energy shifts: CO, CCH3 and O on Pt(111). Surface Science, 1994, 315, L983-L989.	0.8	167
4	On the origin of a third spectral component of C1s XPS-spectra for nc-TiC/a-C nanocomposite thin films. Surface and Coatings Technology, 2008, 202, 3563-3570.	2.2	160
5	Interaction of rhodium with hydroxylated alumina model substrates. Surface Science, 1997, 384, 106-119.	0.8	119
6	Experimental evidence for mixed dissociative and molecular adsorption of water on a rutile<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu without oxygen vacancies. Physical Review B, 2009, 80, .	1.1	106
7	Mixed Dissociative and Molecular Water Adsorption on Anatase TiO₂(101). Journal of Physical Chemistry C, 2011, 115, 9545-9550.	1.5	104
8	Metalâ€“oxide interaction for metal clusters on a metal-supported thin alumina film. Surface Science, 1999, 442, L964-L970.	0.8	83
9	Photoemission study of K on graphite. Physical Review B, 1999, 59, 8292-8304.	1.1	81
10	Particle size dependent CO dissociation on alumina-supported Rh: a model study. Chemical Physics Letters, 1997, 279, 92-99.	1.2	80
11	Water Dissociation on Single Crystalline Anatase TiO₂(001) Studied by Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2008, 112, 16616-16621.	1.5	80
12	2Ï€-resonance broadening in x-ray-absorption spectroscopy of adsorbed CO. Physical Review B, 1992, 46, 10353-10365.	1.1	63
13	Electronic structure of a vapor-deposited metal-free phthalocyanine thin film. Journal of Chemical Physics, 2005, 122, 214723.	1.2	63
14	CO dissociation characteristics on size-distributed rhodium islands on alumina model substrates. Journal of Chemical Physics, 1998, 108, 2967-2974.	1.2	58
15	Chemisorption of CO on Cu(100), Ag(110) and Au(110). Surface Science, 1994, 310, 16-26.	0.8	54
16	Coloration Mechanism in Proton-Intercalated Electrochromic Hydrated NiO[sub y] and Ni[sub 1â^'x]V[sub x]O[sub y] Thin Films. Journal of the Electrochemical Society, 2009, 156, P132.	1.3	54
17	Metal deposition in adsorbate atmosphere: growth and decomposition of a palladium carbonyl-like species. Surface Science, 1996, 346, 108-126.	0.8	52
18	Bonding of an Isolated K atom to a Surface: Experiment and Theory. Physical Review Letters, 1997, 78, 4994-4997.	2.9	52

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19	Regional cerebral metabolic rate (positron emission tomography) during inhalation of nitrous oxide 50% in humans. British Journal of Anaesthesia, 2008, 100, 66-71.	1.5	52
20	Toward Controlled Modification of Nanoporous Gold. A Detailed Surface Science Study on Cleaning and Oxidation. Journal of Physical Chemistry C, 2012, 116, 4564-4571.	1.5	51
21	Autoionization as a tool for interpretation of x-ray absorption spectra:N2/Ni(100). Physical Review Letters, 1993, 70, 2000-2003.	2.9	49
22	Resonant Auger studies of CO adsorbed on two groups ofdtransition metals. Physical Review B, 1994, 49, 10136-10153.	1.1	48
23	Early Prediction of Treatment Outcome in Head and Neck Cancer with 2-18FDG PET. Acta OncolÃ³gica, 1997, 36, 741-747.	0.8	46
24	Titanium dioxide thin-film growth on silicon (111) by chemical vapor deposition of titanium(IV) isopropoxide. Journal of Applied Physics, 2002, 92, 3381-3387.	1.1	45
25	Metalorganic chemical vapor deposition of anatase titanium dioxide on Si: Modifying the interface by pre-oxidation. Surface Science, 2003, 530, 63-70.	0.8	42
26	Electronic structure of electrochemically Li-inserted TiO2 studied with synchrotron radiation electron spectroscopies. Journal of Chemical Physics, 2003, 118, 5607-5612.	1.2	42
27	Transition from a molecular to a metallic adsorbate system:mCore-hole creation and decay dynamics for CO coordinated to Pd. Physical Review B, 1997, 55, 7233-7243.	1.1	41
28	Compton Scattering from the Deuteron and Extracted Neutron Polarizabilities. Physical Review Letters, 2003, 90, 192501.	2.9	39
29	Electronic structure of lithium-doped anataseTiO2prepared in ultrahigh vacuum. Physical Review B, 2005, 71, .	1.1	39
30	Photoinduced fission of the doubly even uranium isotopes 234U, 236U and 238U. Nuclear Physics A, 1978, 298, 43-59.	0.6	37
31	Adsorption of acetylene and hydrogen on Pd(111): formation of a well-ordered ethylidyne overlayer. Surface Science, 1998, 415, 411-422.	0.8	37
32	Vibrational fine structure in the C1s photoemission spectrum of the methoxy species chemisorbed on Cu(100). Surface Science, 1998, 418, 210-218.	0.8	37
33	Higher excited states in x-ray-absorption spectra of adsorbates. Physical Review B, 1993, 47, 2308-2319.	1.1	35
34	Electron spectroscopy studies of small deposited metal particles. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 301-306.	0.8	35
35	Adsorption and Charge-Transfer Study of Bi-isonicotinic Acid on In Situ-Grown Anatase TiO2Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 3114-3122.	1.2	35
36	Interfacial properties of the nanostructured dye-sensitized solid heterojunction TiO2/RuL2(NCS)2/CuI. Journal of Chemical Physics, 2004, 120, 11224-11232.	1.2	33

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37	Interfacial properties of photovoltaic TiO2/dye/PEDOTâ€“PSS heterojunctions. Synthetic Metals, 2005, 149, 157-167.	2.1	33
38	Reduced postnatal cerebral glucose metabolism measured by PET after asphyxia in near term fetal lambs. Journal of Neuroscience Research, 2001, 66, 844-850.	1.3	32
39	Comparing Surface Binding of the Maleic Anhydride Anchor Group on Single Crystalline Anatase TiO₂ (101), (100), and (001) Surfaces. Journal of Physical Chemistry C, 2010, 114, 15015-15020.	1.5	29
40	Evidence for Pdx(CO)y compound formation on an alumina substrate. Chemical Physics Letters, 1995, 240, 429-434.	1.2	28
41	Probing the influence from residual Ti interstitials on water adsorption on TiO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>(110). Physical Review B, 2012, 86, .	1.1	28
42	Growth of ultrathin ZrO2 films on Si(100): Film-thickness-dependent band alignment. Applied Physics Letters, 2006, 88, 132905.	1.5	27
43	Li insertion in thin film anatase TiO2: identification of a two-phase regime with photoelectron spectroscopy. Chemical Physics Letters, 2002, 360, 85-90.	1.2	26
44	CO dissociation on Mo(110) studied by high-resolution core-level spectroscopy. Surface Science, 2001, 492, 185-194.	0.8	25
45	Crystalline anatase-rich titanium can reduce adherence of oral streptococci. Biofouling, 2014, 30, 751-759.	0.8	25
46	Competing water dissociation channels on rutile TiO2(110). Surface Science, 2014, 621, 77-81.	0.8	25
47	Nature of the ns-derived states for an isolated alkali atom on a surface. Surface Science, 1999, 429, 309-319.	0.8	22
48	X-ray photoelectron spectroscopy of low surface concentration mass-selected Ag clusters. Journal of Chemical Physics, 2000, 113, 9233-9238.	1.2	22
49	Phase and molecular orientation in metal-free phthalocyanine films on conducting glass: Characterization of two deposition methods. Thin Solid Films, 2005, 493, 13-19.	0.8	22
50	A Molecular Mechanism for the Waterâ€“Hydroxyl Balance during Wetting of TiO₂. Journal of Physical Chemistry C, 2013, 117, 17078-17083.	1.5	22
51	Interface electronic states and molecular structure of a triarylamine based hole conductor on rutile TiO2(110). Journal of Chemical Physics, 2008, 128, 184709.	1.2	20
52	The (Î³, p) reaction at EÎ³ â‰¼60 MeV. Nuclear Physics A, 1993, 554, 173-188.	0.6	19
53	Measurement of theHe4(Î³,n)reaction from23<EÎ³<70MeV. Physical Review C, 2007, 75, .	1.1	19
54	The Mn 2p core-level photoelectron spectrum of Pdâ€“Mn bimetallic systems on Pd(100). Journal of Electron Spectroscopy and Related Phenomena, 2004, 135, 7-14.	0.8	18

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55	Glucose utilisation in the lungs of septic rats. European Journal of Nuclear Medicine and Molecular Imaging, 1999, 26, 1340-1344.	3.3	17
56	Determination of NO adsorption sites on Pd(100) using core level photoemission and low energy electron diffraction. Surface Science, 2002, 501, 74-82.	0.8	17
57	Probing and modifying the empty-state threshold of anataseTiO2: Experiments andab initiotheory. Physical Review B, 2008, 78, .	1.1	17
58	One Precursor but Two Types of Graphene Nanoribbons: On-Surface Transformations of 10,10â€²-Dichloro-9,9â€²-bianthryl on Ag(111). Journal of Physical Chemistry C, 2019, 123, 8892-8901.	1.5	17
59	Adsorption and reactions on a surface alloy: CO, NO, O2 and CO2 on Pd(100)â€“Mn-c(2Ã—2). Surface Science, 1999, 421, 116-134.	0.8	16
60	TiO2 chemical vapor deposition on Si(111) in ultrahigh vacuum: Transition from interfacial phase to crystalline phase in the reaction limited regime. Surface Science, 2011, 605, 1147-1156.	0.8	16
61	First layer water phases on anatase TiO2(101). Surface Science, 2018, 674, 25-31.	0.8	16
62	C1s and O1s gas phase shake-up spectra from Mo(CO)6. Chemical Physics, 1994, 179, 303-312.	0.9	15
63	Phase separation and charge localization in UHV-lithiated anataseTiO2nanoparticles. Physical Review B, 2005, 71, .	1.1	15
64	Chemical vapor deposition of ordered TiOx nanostructures on Au(111). Surface Science, 2013, 617, 211-217.	0.8	15
65	Adsorption properties of a mixed surface studied by high resolution core level photoemission: CO/0.5 ML Pd/Rh(111). Surface Science, 1998, 411, 111-122.	0.8	14
66	Observation of a low-energy adsorbate core-level satellite for CO bonded to palladium: Coordination-dependent effects. Physical Review B, 1998, 57, 13199-13208.	1.1	14
67	Metal organic chemical vapor deposition of ultrathin ZrO2 films on Si(100) and Si(111) studied by electron spectroscopy. Surface Science, 2007, 601, 1008-1018.	0.8	14
68	Growth of praseodymium oxide on Si(111) under oxygen-deficient conditions. Physical Review B, 2009, 80, .	1.1	14
69	UHV-MOCVD growth of TiO2 on SiOx/Si(111): Interfacial properties reflected in the Si 2p photoemission spectra. Surface Science, 2005, 580, 207-217.	0.8	13
70	Ultrathin ZrO2 films on Si-rich SiC(0001)-(3Ã—3): Growth and thermal stability. Surface Science, 2007, 601, 2390-2400.	0.8	13
71	Influence of charged impurities on the surface phases of Sn/Ge(111). Surface Science, 2001, 477, 227-234.	0.8	12
72	Geometric and electronic structure of PdMn bimetallic systems on Pd(100). Physical Review B, 2001, 65, .	1.1	12

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73	Photoemission studies of water dissociation on rutile TiO2 (110): Aspects on experimental procedures and the influence of steps. Applied Surface Science, 2014, 303, 245-249.	3.1	12
74	TiOx thin films grown on Pd(100) and Pd(111) by chemical vapor deposition. Surface Science, 2016, 649, 80-89.	0.8	12
75	Temperature dependent XPS study of CO dissociation on small Rh particles. Vacuum, 1998, 49, 167-170.	1.6	11
76	Water Adsorption on TiO_x Thin Films Grown on Au(111). Journal of Physical Chemistry C, 2015, 119, 6660-6669.	1.5	11
77	Electronic structure dynamics in a low bandgap polymer studied by time-resolved photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 21921-21929.	1.3	11
78	Defect-Induced Water Bilayer Growth on Anatase TiO₂(101). Langmuir, 2018, 34, 10856-10864.	1.6	11
79	Electronic structure of thin film TiOPc studied by means of X-ray absorption and photoelectron spectroscopies. Journal of Electron Spectroscopy and Related Phenomena, 2009, 174, 50-54.	0.8	10
80	A Pet System Based on 2-18Fdg Production with a Low Energy Electrostatic Proton Accelerator and a Dual Headed Pet Scanner. Acta OncolÃ³gica, 1992, 31, 771-776.	0.8	9
81	Photon-induced proton knockout from 208Pb and 12C. Nuclear Physics A, 1997, 615, 33-51.	0.6	9
82	Surface chemistry of TiCl4 on clean and hydrogen modified W(): identification of surface intermediates. Surface Science, 2002, 521, 129-138.	0.8	9
83	Li Insertion in Solâ^'Gel Prepared Mn-Doped TiO2 Studied by Electron Spectroscopy in Ultrahigh Vacuum. Journal of Physical Chemistry C, 2007, 111, 3459-3466.	1.5	9
84	Growth of TiO2(B)(001) on Au(111) by chemical vapor deposition. Surface Science, 2015, 633, 102-108.	0.8	9
85	A study of the differential cross section in subbarrier photofission of238U. Zeitschrift FÃ¼r Physik A, 1978, 285, 415-422.	1.4	8
86	Compton scattering by mesons in nuclei: Experiment on 208Pb. Nuclear Physics A, 1992, 548, 579-591.	0.6	8
87	Observation of CO-metal hybridization in Ni 2px-ray-absorption and -photoemission spectra. Physical Review B, 1993, 47, 16052-16055.	1.1	8
88	Investigation of the (Î³, p) reaction in6Li and12C at 61 and 77 MeV. Physica Scripta, 1994, 49, 397-403.	1.2	8
89	Vibrationally selective autoionization of physisorbed molecular nitrogen. Physical Review B, 1994, 49, 2001-2004.	1.1	8
90	Proton Insertion in Polycrystalline WO3 Studied with Electron Spectroscopy and Semi-empirical Calculations. Advances in Quantum Chemistry, 2004, 47, 23-36.	0.4	8

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91	Initial stages of ZrO2 chemical vapor deposition on Si(100)-(2Ã—1) from zirconium tetra-tert-butoxide. Surface Science, 2008, 602, 1803-1809.	0.8	8
92	Probing the conduction band edge of transition metal oxides by X-ray absorption spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2011, 183, 107-113.	0.8	8
93	A niobium water target for routine production of [18F]Fluoride with a MC 17 cyclotron. Applied Radiation and Isotopes, 2013, 72, 133-136.	0.7	8
94	Controlled modification of nanoporous gold: Chemical vapor deposition of TiO2 in ultrahigh vacuum. Applied Surface Science, 2013, 282, 439-443.	3.1	8
95	Rapid method of counting fission fragment tracks and track distributions in Makrofol using a multi-channel spark counter. Nuclear Instruments & Methods, 1978, 151, 583-587.	1.2	7
96	Autoionization spectroscopy of CO on metal oxide surfaces. Journal of Electron Spectroscopy and Related Phenomena, 1996, 77, 155-171.	0.8	7
97	The influence of preadsorbed oxygen on the adsorption of CO on two-dimensional Pd islands on a Rh(111) surface. Surface Science, 1998, 418, 457-465.	0.8	7
98	Band alignment at the ZrO2âˆ•Si(100) interface studied by photoelectron and x-ray absorption spectroscopy. Journal of Applied Physics, 2007, 101, 104120.	1.1	7
99	Developments and enhancements to the HELIOS pump probe system. Journal of Electron Spectroscopy and Related Phenomena, 2018, 224, 33-37.	0.8	7
100	Core-Level Binding Energy Reveals Hydrogen Bonding Configurations of Water Adsorbed on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TiO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m stretchy="false">(</mml:mo><mml:mn>110</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 372 Td (stretchy="false">)</mn 016102.	2.9	7
101	The inner valence region of CO adsorbed on Pd(100). Journal of Physics Condensed Matter, 1994, 6, 10659-10668.	0.7	6
102	Mn-induced NO dissociation on Pd(). Surface Science, 2002, 501, 83-92.	0.8	6
103	Modeling Kinetics of Water Adsorption on the Rutile TiO₂ (110) Surface: Influence of Exchangeâ€Correlation Functional. Physica Status Solidi (B): Basic Research, 2018, 255, 1700344.	0.7	5
104	An ultra-thin PdMn intermetallic compound on W(110). Surface Science, 2001, 477, 141-148.	0.8	4
105	Insertion of H+, Li+, Na+ and K+ into thin films prepared from silicotungstic acidâ€”a photoelectron spectroscopy study. Thin Solid Films, 2004, 461, 237-242.	0.8	4
106	Photochemistry of Carboxylate on TiO₂(110) Studied with Synchrotron Radiation Photoelectron Spectroscopy. Langmuir, 2016, 32, 11456-11464.	1.6	4
107	FDG PET studies during treatment: Prediction of therapy outcome in head and neck squamous cell carcinoma. Head and Neck, 2002, 24, 127.	0.9	4
108	Core-hole decay studies of O/Ni(100)c(2Ã—2). Physical Review B, 1993, 48, 11347-11351.	1.1	3

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109	Imagelike screening mechanisms for weakly adsorbed atoms. Physical Review Letters, 1994, 72, 2604-2607.	2.9	3
110	Surface chemistry of HfI4 on Si(100)-(2Ã—1) studied by core level photoelectron spectroscopy. Surface Science, 2007, 601, 917-923.	0.8	3
111	Initial stages of metal-organic chemical-vapor deposition of ZrO2 on a FeCrAl alloy. Thin Solid Films, 2008, 516, 875-879.	0.8	3
112	Chemistry of thin film formation and stability during praseodymium oxide deposition on Si(111) under oxygen-deficient conditions. Surface Science, 2010, 604, 1287-1293.	0.8	3
113	Heterogeneous reaction between Li and anatase TiO2 nanoparticles under ultra-high vacuum. Physical Chemistry Chemical Physics, 2013, 15, 12283.	1.3	3
114	Lying down NO on Ni(100). Surface Science Letters, 1991, 241, L1-L5.	0.1	2
115	Adsorption and photolysis of trimethyl acetate on TiO2(B)(001) studied with synchrotron radiation core level photoelectron spectroscopy. Surface Science, 2017, 666, 104-112.	0.8	2
116	Oxidation and Reduction of TiO_x Thin Films on Pd(111) and Pd(100). Journal of Physical Chemistry B, 2018, 122, 688-694.	1.2	2
117	An anesthetic method compatible with (18)F-FDG-PET studies in mice. American Journal of Nuclear Medicine and Molecular Imaging, 2015, 5, 270-7.	1.0	2
118	Evaluation of imaging parameters for scintillation camera imaging of positron-emitting radionuclides in the Compton region. , 0, , .		1
119	Identification of a laterally mobile state during CO adsorption. Journal of Physics Condensed Matter, 2000, 12, 765-772.	0.7	1
120	Modeling Kinetics of Water Adsorption on the Rutile TiO₂ (110) Surface: Influence of Exchangeâ€Correlation Functional (Phys. Status Solidi B 3/2018). Physica Status Solidi (B): Basic Research, 2018, 255, 1870112.	0.7	1
121	Isospin selection rules for real photons observed in the6Li(?,d) reaction. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1990, 335, 239-240.	0.3	0
122	Distinction between different adsorption states: chemisorbed and physisorbed Ar. Surface Science Letters, 1993, 293, L835-L840.	0.1	0
123	Comparison of the (e,eâ€²), (e,eâ€²p) and (Î³,p) reactions on 10B. Progress in Particle and Nuclear Physics, 1995, 34, 383-384.	5.6	0