Robert Lindsay

List of Publications by Year
in descending order

105 papers	5,148 citations	117571 34 h-index	88593 70 g-index
108 all docs	108 docs citations	108 times ranked	4268 citing authors

#	Article	IF	Citations
1	LONG-TERM PREVENTION OF POSTMENOPAUSAL OSTEOPOROSIS BY Å’STROGEN. Lancet, The, 1976, 307, 1038-1041.	6.3	909
2	Chemical reactions on rutile TiO2(110). Chemical Society Reviews, 2008, 37, 2328.	18.7	476
3	Structure of Clean and Adsorbate-Covered Single-Crystal Rutile TiO₂ Surfaces. Chemical Reviews, 2013, 113, 3887-3948.	23.0	289
4	Oestrogen Replacement Therapy for Prevention of Osteoporosis after Oophorectomy. BMJ: British Medical Journal, 1973, 3, 515-518.	2.4	241
5	Structure of a model TiO2Âphotocatalytic interface. Nature Materials, 2017, 16, 461-466.	13.3	234
6	Revisiting the Surface Structure ofTiO2(110): A Quantitative low-Energy Electron Diffraction Study. Physical Review Letters, 2005, 94, .	2.9	154
7	A photoelectron diffraction study of ordered structures in the chemisorption system Pd{111}-CO. Surface Science, 1998, 406, 90-102.	0.8	144
8	Determination of the local structure of glycine adsorbed on Cu(110). Surface Science, 1998, 397, 258-269.	0.8	142
9	Osteoporosis after Oophorectomy for Non-malignant Disease in Premenopausal Women. BMJ: British Medical Journal, 1973, 2, 325-328.	2.4	130
10	Structure determination of ammonia on Cu(110) â€” a low-symmetry adsorption site. Surface Science, 1997, 387, 152-159.	0.8	95
11	Imaging the polar and non-polar surfaces of ZnO with STM. Surface Science, 1998, 415, L1046-L1050.	0.8	93
12	Geometric Structure ofTiO2(011)(2Ã—1). Physical Review Letters, 2008, 101, 185501.	2.9	87
13	Orientation of carboxylates on TiO2(110). Surface Science, 2001, 471, 163-169.	0.8	85
14	Structure Determination of Formic Acid Reaction Products on TiO2(110)â€. Journal of Physical Chemistry B, 2004, 108, 14316-14323.	1.2	81
15	Impact of Defects on the Surface Chemistry of ZnO(0001Ì„)â˘’O. Journal of the American Chemical Society, 2002, 124, 7117-7122.	6.6	73
16	Corrosion inhibitor binding in an acidic medium: Interaction of 2-mercaptobenizmidazole with carbon-steel in hydrochloric acid. Corrosion Science, 2014, 85, 109-114.	3.0	69
17	Determining Gibbs energies of adsorption from corrosion inhibition efficiencies: Is it a reliable approach?. Corrosion Science, 2019, 155, 182-185.	3.0	68
18	Geometric structure ofTiO2(110)(1Ã—1): Achieving experimental consensus. Physical Review B, 2007, 75, .	1.1	62

#	ARTICLE	IF	CITATIONS
19	Electronic structure of Si(100)2Ã—1-Cl studied with angle-resolved photoemission. Physical Review B, 1990, 42, 9534-9539.	1.1	61
20	Photoelectron spectroscopy study of the inhibition of mild steel corrosion by molybdate and nitrite anions. Corrosion Science, 2010, 52, 422-428.	3.0	55
21	Local adsorption geometry of acetylene onSi(100)(2Ã—1). Physical Review B, 2000, 61, 16697-16703.	1.1	54
22	Corrosion inhibition of carbon-steel with 2-mercaptobenzimidazole in hydrochloric acid. Corrosion Science, 2015, 101, 47-55.	3.0	54
23	Corrosion inhibition of carbon steel in hydrochloric acid: Elucidating the performance of an imidazoline-based surfactant. Corrosion Science, 2021, 180, 109195.	3.0	54
24	ADRENAL STEROIDS AND THE DEVELOPMENT OF OSTEOPOROSIS IN OOPHORECTOMISED WOMEN. Lancet, The, 1979, 314, 597-600.	6.3	49
25	THE EFFECT OF ENDOGENOUS OESTROGEN ON PLASMA AND URINARY CALCIUM AND PHOSPHATE IN OOPHORECTOMIZED WOMEN. Clinical Endocrinology, 1977, 6, 87-93.	1.2	47
26	Geometric structure of anatase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mn>101</mml:mn> … Physical Review B, 2017, 95, .	1.1	45
27	Water Dissociates at the Aqueous Interface with Reduced Anatase TiO₂ (101). Journal of Physical Chemistry Letters, 2018, 9, 3131-3136.	2.1	45
28	Adsorption site and orientation of pyridine on Cu{110} determined by photoelectron diffraction. Journal of Chemical Physics, 1999, 110, 9666-9672.	1.2	40
29	ZnOâ€"O surface structure: hydrogen-free (1Ã—1) termination. Surface Science, 2004, 565, L283-L287.	0.8	40
30	Corrosion behaviour of mild steel in 1-alkyl-3-methylimidazolium tricyanomethanide ionic liquids for CO2 capture applications. RSC Advances, 2014, 4, 5300.	1.7	40
31	Fundamental aspects of enantioselective heterogeneous catalysis: a NEXAFS study of methyl pyruvate and (S)-(â˘)-1-(1-naphthyl) ethylamine on Pt{1 1 1}. Surface Science, 2001, 482-485, 207-214.	0.8	38
32	H2O adsorption onBi2Sr2CaCu2O8(001). Physical Review B, 1990, 41, 11623-11626.	1.1	37
33	On the Orientation of Quinoline on Pd{111}:Â Implications for Heterogeneous Enantioselective Hydrogenation. Journal of Physical Chemistry B, 2002, 106, 2672-2679.	1.2	37
34	Bonding and reactivity of styrene on Cu(110): heterogeneous alkene epoxidation without the use of silver. Surface Science, 1999, 437, 1-8.	0.8	34
35	The dimers stay intact: a quantitative photoelectron study of the adsorption system Si{100} (2x1)-C2H4. New Journal of Physics, 1999, 1, 20-20.	1.2	34
36	Geometric structure of<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 … Confirming experimental conclusions. Physical Review B, 2010, 81, .	1.1	34

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37	The coverage dependence of the local structure of C on Ni(100): a structural precursor to adsorbate-induced reconstruction. Surface Science, 2000, 446, 301-313.	0.8	33
38	Temporal evolution of sweet oilfield corrosion scale: Phases, morphologies, habits, and protection. Corrosion Science, 2018, 142, 110-118.	3.0	33
39	The local adsorption geometry of benzene on Ni(110) at low coverage. Surface Science, 2000, 448, 23-32.	0.8	32
40	CN coordination in the adsorption system Ni(110)c(2Ã—2)â€“CN: an unexpected geometry. Surface Science, 1998, 416, 448-459.	0.8	30
41	The structure of NO on Ni(111) at low coverage. Surface Science, 1998, 405, L566-L572.	0.8	29
42	NEXAFS study of CO adsorption on ZnO(0001Ì„)â€“O and ZnO(0001Ì„)â€“O/Cu. Surface Science, 1999, 439, 131-138.	0.8	29
43	Structure Determination of Ammonia on Cu(111)â€. Journal of Physical Chemistry B, 2000, 104, 3044-3049.	1.2	29
44	Structure determination of propyne and 3,3,3-trifluoropropyne on Cu(111). Journal of Chemical Physics, 2000, 112, 7591-7599.	1.2	28
45	Photoelectron diffraction study of a catalytically active overlayer: C2H2 on Pd{111}. Surface Science, 1998, 400, 166-175.	0.8	27
46	Stability of the AlF3 surface in H2O and HF environments: An investigation using hybrid density functional theory and atomistic thermodynamics. Surface Science, 2007, 601, 4433-4437.	0.8	27
47	Structure of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>SnO</mml:mi></mml:mrow><mml:mrow><mml:mn>2 stretchy="false">(</mml:mo><mml:mn>110</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (stretchy="false stretchy="false">(</mml:mo><mml:mn>4</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>1</mml:mn><mml:mo) Tj ETQq1 1 0.784314 0961	2.9	26
48	Toward optimizing dental implant performance: Surface characterization of Ti and TiZr implant materials. Dental Materials, 2017, 33, 43-53.	1.6	26
49	Influence of Cu overlayers on the interaction of CO and CO2with ZnO(0001)-O. Faraday Discussions, 1996, 105, 355-368.	1.6	25
50	Corrosion Protection through Naturally Occurring Films: New Insights from Iron Carbonate. ACS Applied Materials & Interfaces, 2019, 11, 33435-33441.	4.0	25
51	Molecules on oxide surfaces: a quantitative structural determination of NO adsorbed on NiO(100). Surface Science, 1999, 425, L401-L406.	0.8	24
52	Reduction of thin-film ceria on Pt(111) by supported Pd nanoparticles probed with resonant photoemission. Surface Science, 2011, 605, 1062-1066.	0.8	23
53	Surface to bulk charge transfer at an alkali metal/metal oxide interface. Surface Science, 2003, 547, L859-L864.	0.8	22
54	Impact of ambient oxygen on the surface structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:msub><mml:mrow><mml:mtext>-Cr</mml:mtext></mml:mrow><mml:mn>2 Physical Review B, 2010, 81, .	1.1	22

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55	An ex situ study of the adsorption of calcium phosphate from solution onto TiO2(110) and Al2O3(0001). Surface Science, 2016, 646, 146-153.	0.8	22
56	Photoelectron diffraction determination of the structure of the Cu(100)c - Mn surface phase. Journal of Physics Condensed Matter, 1996, 8, 10231-10240.	0.7	21
57	Microscopic study of the corrosion behaviour of mild steel in ionic liquids for CO2 capture applications. RSC Advances, 2015, 5, 35181-35194.	1.7	21
58	Low Energy Electron Diffraction Study of TiO₂(110)(2 Ã— 1)-[HCOO]^{â^'}. Journal of Physical Chemistry C, 2008, 112, 14154-14157.	1.5	17
59	Direct observation of thec(8Ã—8) defect structure on Si(001) using scanning tunneling microscopy. Physical Review B, 1996, 54, 13468-13471.	1.1	16
60	Structural determination for H2O adsorption on Si(001)2 Ã— 1 using scanned-energy mode photoelectron diffraction. Applied Surface Science, 1998, 123-124, 219-222.	3.1	16
61	A REVIEW OF QUANTITATIVE STRUCTURAL DETERMINATIONS OF ADSORBATES ON METAL OXIDE SURFACES. Surface Review and Letters, 2001, 08, 95-120.	0.5	16
62	Structure of a Superhydrophilic Surface: Wet Chemically Prepared Rutile-TiO₂(110)(1 Ã— 1). Journal of Physical Chemistry C, 2019, 123, 8463-8468.	1.5	15
63	An Exemplar Imidazoline Surfactant for Corrosion Inhibitor Studies: Synthesis, Characterization, and Physicochemical Properties. Journal of Surfactants and Detergents, 2020, 23, 225-234.	1.0	15
64	Anomalous enhancement ofBi2Sr2CaCu2O8Fermi-level states near the O 2sthreshold. Physical Review B, 1991, 44, 878-881.	1.1	14
65	Photoelectron diffraction investigation of the local adsorption site of N on Cu(111). Journal of Physics Condensed Matter, 2000, 12, 3981-3991.	0.7	14
66	Title is missing!. Topics in Catalysis, 2002, 18, 15-19.	1.3	14
67	Carbonate co-adsorption geometry on TiO2(110)1Ã—1-Na. Surface Science, 1999, 433-435, 538-542.	0.8	12
68	Structural precursor to adsorbate-induced reconstruction:â€ƒC on Ni(100). Physical Review B, 1999, 60, 10715-10718.	1.1	11
69	Structure determination of molecular adsorbates on oxide surfaces using scanned-energy mode photoelectron diffraction. Faraday Discussions, 1999, 114, 141-155.	1.6	11
70	Substrate Protection with Corrosion Scales: Can We Depend on Iron Carbonate?. ACS Applied Materials & Interfaces, 2021, 13, 58193-58200.	4.0	11
71	Dangling-bond adsorption site for potassium on Si(100)-(2Ã—1). Physical Review B, 1995, 51, 11140-11143.	1.1	10
72	Modifying behaviour of Cu on the orientation of formate on ZnO(000)â€"O. Surface Science, 2001, 477, 1-7.	0.8	10

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73	Geometry of Î±-Cr₂O₃(0001) as a Function of H₂O Partial Pressure. Journal of Physical Chemistry C, 2015, 119, 21426-21433.	1.5	10
74	Determination of the adsorption geometry of ethylene on Ni{110} using photoelectron diffraction. Surface Science, 1999, 440, 125-141.	0.8	9
75	TEARES: a toroidal energy- and angle-resolved electron spectrometer. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 721-729.	0.8	9
76	Wet chemically prepared rutile TiO2(110) and TiO2(011): Substrate preparation for surface studies under non-UHV conditions. Surface Science, 2014, 630, 41-45.	0.8	9
77	Water-Induced Reversal of the TiO₂(011)-(2 Ã— 1) Surface Reconstruction: Observed with in Situ Surface X-ray Diffraction. Journal of Physical Chemistry C, 2019, 123, 13545-13550.	1.5	9
78	The electronic structure of Si(100) 2 Ã— 1î—¸Cl: reinterpreting ARP measurements. Surface Science, 1998, 398, 301-307.	0.8	8
79	Quantitative determination of the adsorption site of the OH radicals in theH2O/Si(100)system. Physical Review B, 2002, 66, .	1.1	8
80	Influence of the metal-to-non-metal transition on the surface degradation of BaPb1-xBixO3. Superconductor Science and Technology, 1992, 5, 648-653.	1.8	7
81	Quantitative Structure of an Acetate Dye Molecule Analogue at the TiO₂â€“Acetic Acid Interface. Journal of Physical Chemistry C, 2016, 120, 7586-7590.	1.5	7
82	Determining the Chemical Composition of Corrosion Inhibitor/Metal Interfaces with XPS: Minimizing Post Immersion Oxidation. Journal of Visualized Experiments, 2017, , .	0.2	7
83	HYPERCORTISOLAEMIA AND LACK OF SKELETAL RESPONSE TO OESTROGEN IN POSTMENOPAUSAL WOMEN. Clinical Endocrinology, 1974, 3, 167-174.	1.2	6
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91	Resonance photoemission from single crystalline Bi2Sr2CaCu2O8 at the Cu 3p absorption edge. Physica C: Superconductivity and Its Applications, 1992, 193, 309-313.	0.6	4
92	Effect of multiple scattering on the S K-edge EXAFS of Ni(110)-c(2 Ã— 2)-S. Surface Science, 1997, 380, L463-L468.	0.8	4
93	Probing well-characterized metal oxide surfaces with synchrotron radiation. Journal of Physics Condensed Matter, 2001, 13, 11207-11228.	0.7	3
94	Geometry of adsorbates on metal oxide surfaces. Chemical Physics of Solid Surfaces, 2001, 9, 199-255.	0.3	3
95	A surface X-ray diffraction study of Ni(110)c(2Ã—2)-CN. Surface Science, 2004, 572, 433-438.	0.8	3
96	Visibility of TiO2(110)(1Ã—1) bridging oxygen in core level photoelectron spectroscopy. Physical Review B, 2012, 85, .	1.1	3
97	Corrosion Inhibition. Metals, 2018, 8, 821.	1.0	3
98	An Oxygen K-edge NEXAFS Study of H₂O Adsorption on Si(111). Japanese Journal of Applied Physics, 1993, 32, 347.	0.8	3
99	A photoemission study to confirm the second order nature of anomalous O 2s resonant enhancement of Bi2Sr2CaCu2O8(001) fermi level states. Physica C: Superconductivity and Its Applications, 1991, 185-189, 1047-1048.	0.6	2
100	TEARES: toroidal energy- and angle-resolving electron spectrometerâ€"results, recent modifications and instrument performance. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1005-1010.	0.8	2
101	Introduction to Control of Corrosion by Environmental Modification. , 2010, , 2891-2899.		2
102	Local structure of OH adsorbed on the Ge(001)(2Ã—1) surface using scanned-energy mode photoelectron diffraction. Surface Science, 2003, 540, 246-254.	0.8	1
103	TEARES: Toroidal Energy- and Angle-Resolved Electron Spectrometer: Results and Progress to Date. AIP Conference Proceedings, 2004, , .	0.3	0
104	Calcium Metabolism in the Postmenopause and Sex Steroid Therapy: Postmenopausal Osteoporosis and Sex Steroids. , 1980, , 163-177.		0
105	Introducing X-ray photoelectron spectroscopy for corrosion studies: A tool for elucidating interfacial composition and chemistry. , 2022, , 723-745.		0