

Robert G Jones

List of Publications by Year in descending order

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148
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81900

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148
times ranked

2920
citing authors

#	ARTICLE	IF	CITATIONS
1	Order, disorder, and metalation of tetraphenylporphyrin (2 <i>H</i> -TPP) on Au(111). Chemical Communications, 2022, 58, 6247-6250.	4.1	4
2	Chemical shielding of H ₂ O and HF encapsulated inside a C ₆₀ cage. Communications Chemistry, 2021, 4, .	4.5	7
3	Evolution of adsorption heights in the on-surface synthesis and decoupling of covalent organic networks on Ag(111) by normal-incidence X-ray standing wave. Nanoscale Horizons, 2021, 7, 51-62.	8.0	15
4	Structural characterisation of molecular conformation and the incorporation of adatoms in an on-surface Ullmann-type reaction. Communications Chemistry, 2020, 3, .	4.5	16
5	Interactions and stabilisation of acetone, sulfur dioxide and water with 1-octyl-3-methylimidazolium tetrafluoroborate [OMIM][BF ₄] at low temperatures. Faraday Discussions, 2018, 206, 475-495.	3.2	6
6	Structure and dynamics of ionic liquids: general discussion. Faraday Discussions, 2018, 206, 291-337.	3.2	8
7	Electrochemistry: general discussion. Faraday Discussions, 2018, 206, 405-426.	3.2	13
8	Ionic liquids at interfaces: general discussion. Faraday Discussions, 2018, 206, 549-586.	3.2	0
9	Thin film structural analysis using variable-period x-ray standing waves. Physical Review B, 2018, 98, .	3.2	3
10	Probing properties of molecule-based interface systems: general discussion and Concluding Remarks. Faraday Discussions, 2017, 204, 503-530.	3.2	0
11	Supramolecular effects in self-assembled monolayers: general discussion. Faraday Discussions, 2017, 204, 123-158.	3.2	2
12	Supramolecular systems at liquid–solid interfaces: general discussion. Faraday Discussions, 2017, 204, 271-295.	3.2	2
13	Electroanalysis of Neutral Precursors in Protic Ionic Liquids and Synthesis of High-Ionicity Ionic Liquids. Langmuir, 2017, 33, 8436-8446.	3.5	24
14	X-ray standing wave study of Si clusters on a decagonal Al-Co-Ni quasicrystal surface. Physical Review B, 2015, 91, .	3.2	1
15	Line-of-sight mass spectrometry: principles and practice. Surface and Interface Analysis, 2015, 47, 587-600.	1.8	7
16	Adsorption, Desorption, and Reaction of 1-Octyl-3-methylimidazolium Tetrafluoroborate, [C ₈ Im][BF ₄], Ionic Liquid Multilayers on Cu(111). Langmuir, 2015, 31, 9799-9808.	3.5	21
17	Quantitative Adsorbate Structure Determination for Quasicrystals Using X-Ray Standing Waves. Physical Review Letters, 2014, 113, 106101.	7.8	6
18	Vaporisation and thermal decomposition of dialkylimidazolium halide ion ionic liquids. Physical Chemistry Chemical Physics, 2014, 16, 1339-1353.	2.8	42

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37	Pyrrolidinium-Based Ionic Liquids. 1-Butyl-1-methyl Pyrrolidinium Dicyanoamide: Thermochemical Measurement, Mass Spectrometry, and ab Initio Calculations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11734-11742.	2.6	69
38	Structure of the Pentylthiolate Self-Assembled Monolayer on Ag(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 10040-10048.	3.1	9
39	Vapourisation of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 982.	2.8	364
40	Comment on "Critical Properties, Normal Boiling Temperatures, and Acentric Factors of Fifty Ionic Liquids". <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6061-6062.	3.7	10
41	Water adsorption on a liquid surface. <i>Chemical Communications</i> , 2007, , 4866.	4.1	76
42	The Structure of Atomic Sulfur Phases on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 10904-10914.	3.1	38
43	Structural Investigation of the Interaction of Molecular Sulfur with Ag(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 3152-3162.	3.1	16
44	True Nature of an Archetypal Self-Assembly System: Mobile Au-Thiolate Species on Au(111). <i>Physical Review Letters</i> , 2006, 97, 166102.	7.8	239
45	Structure Investigation of Ag(111)($\sqrt{7}\times\sqrt{7}$)R19 $\sqrt{3}$ -SCH ₃ by X-ray Standing Waves: A Case of Thiol-Induced Substrate Reconstruction. <i>Journal of Physical Chemistry B</i> , 2006, 110, 2164-2170.	2.6	31
46	The adsorption of CCl ₄ on Ag(111): Carbene and CC bond formation. <i>Surface Science</i> , 2006, 600, 241-248.	1.9	6
47	Normal incidence X-ray standing wave analysis of thin gold films. <i>Surface Science</i> , 2006, 600, 4825-4828.	1.9	14
48	The local structure of SO ₂ and SO ₃ on Ni(111). <i>Surface Science</i> , 2005, 577, 31-41.	1.9	15
49	Surface structure determination using x-ray standing waves. <i>Reports on Progress in Physics</i> , 2005, 68, 743-798.	20.1	178
50	Direct Observation of Thiolate Displacement Reactions on Au(111): The Role of Physisorbed Disulfides. <i>Langmuir</i> , 2005, 21, 11684-11689.	3.5	11
51	Chemical State-specific Surface Structure from Photoemission-monitored X-ray Standing Waves. <i>Synchrotron Radiation News</i> , 2004, 17, 11-16.	0.8	0
52	Atop adsorption site of sulphur head groups in gold-thiolate self-assembled monolayers. <i>Chemical Physics Letters</i> , 2004, 389, 87-91.	2.6	175
53	X-ray standing waves at surfaces. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 4059-4074.	1.8	15
54	Chemical-shift X-ray standing wavefield determination of the local structure of methanethiolate phases on Ni(). <i>Surface Science</i> , 2002, 496, 73-86.	1.9	18

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55	A structural study of the interaction of methanethiol with Pt using X-ray standing waves. <i>Surface Science</i> , 2002, 516, 1-15.	1.9	18
56	A NIXSW structural investigation of the low temperature silyl phase formed by SiH ₄ reaction with Cu(111). <i>Chemical Physics Letters</i> , 2002, 351, 208-212.	2.6	11
57	A NIXSW structural investigation of the (√3×√3)R30°-Cu ₂ Si surface alloy phase formed by SiH ₄ reaction with Cu(111). <i>Surface Science</i> , 2001, 491, L645-L650.	1.9	16
58	Non-dipole effects in photoelectron-monitored X-ray standing wave experiments: characterisation and calibration. <i>Surface Science</i> , 2001, 494, 166-182.	1.9	68
59	1-Chloro-2-fluoroethane Adsorption on Cu(111): Structure and Bonding. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10600-10609.	2.6	6
60	Adsorption, decomposition, and stabilization of 1,2-dibromoethane on Cu(111). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 1474-1480.	2.1	5
61	Line of sight techniques: Providing an inventory of all species arriving at and departing from a surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 2007-2012.	2.1	19
62	A structural study of methanethiolate adsorbed on Cu(100). <i>Journal of Physics Condensed Matter</i> , 2000, 12, 2153-2161.	1.8	26
63	Following Local Adsorption Sites through a Surface Chemical Reaction: CH ₃ SH on Cu(111). <i>Physical Review Letters</i> , 2000, 84, 119-122.	7.8	100
64	Atomic Quadrupolar Photoemission Asymmetry Parameters from a Solid State Measurement. <i>Physical Review Letters</i> , 2000, 84, 2346-2349.	7.8	38
65	Surface dynamics using pulsed electron beams. <i>Surface Science</i> , 2000, 451, 232-237.	1.9	7
66	The structure of the surface phase: a new normal-incidence X-ray standing wave study. <i>Surface Science</i> , 2000, 453, 183-190.	1.9	28
67	A structural study of the interaction of SO ₂ with Cu(111). <i>Surface Science</i> , 2000, 459, 231-244.	1.9	49
68	Molecular and dissociative adsorption of 2-bromo-1-chloropropane on Cu(111). <i>Surface Science</i> , 2000, 468, 165-175.	1.9	5
69	Evidence from scanning tunneling microscopy in support of a structural model for the InSb(001)-c(8×2) surface. <i>Applied Physics Letters</i> , 1999, 75, 1938-1940.	3.3	14
70	X-ray Studies of Self-Assembled Monolayers on Coinage Metals. 2. Surface Adsorption Structures in 1-Octanethiol on Cu(111) and Ag(111) and Their Determination by the Normal Incidence X-ray Standing Wave Technique. <i>Langmuir</i> , 1999, 15, 8856-8866.	3.5	56
71	Surface kinetics using line of sight techniques: the reaction of chloroform with Cu(111). <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5223-5228.	2.8	21
72	Reaction and sticking probabilities using line of sight techniques: iodine on Al(111). <i>Surface Science</i> , 1999, 424, 127-138.	1.9	25

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73	Stabilising an unstable conformer: 1,2-dichloroethane on clean and chlorinated Cu(111). Surface Science, 1999, 433-435, 234-238.	1.9	11
74	Chemical-shift X-ray standing wave studies: coadsorption site determination of PF _x fragments on Ni(111). Surface Science, 1999, 441, 515-528.	1.9	25
75	Molecular and dissociative adsorption of 1-bromo-2-chloroethane on Cu(111). Surface Science, 1999, 442, 517-530.	1.9	15
76	The structure of PF ₃ adsorbed on Cu(111). Surface Science, 1998, 414, 396-408.	1.9	15
77	Non-dipole photoemission effects in x-ray standing wavefield determination of surface structure. Journal of Physics Condensed Matter, 1998, 10, L623-L629.	1.8	52
78	Structural study of Rb and Cl coadsorption on Cu(111): a case of overlayer compound formation. Journal of Physics Condensed Matter, 1997, 9, 4593-4602.	1.8	8
79	Bromine adsorption on Cu(111). Surface Science, 1997, 370, L219-L225.	1.9	37
80	Ethene stabilised by halogens on Cu(111). Surface Science, 1997, 377-379, 719-723.	1.9	6
81	Hot ethene desorption from Cu(111). Surface Science, 1997, 377-379, 705-709.	1.9	6
82	The local adsorption structure of SO ₂ on Ni(111): a normal incidence X-ray standing wavefield determination. Surface Science, 1997, 389, 223-233.	1.9	26
83	Surface adsorption structures in 1-octanethiol self-assembled on Cu(111). Surface Science, 1997, 392, 143-152.	1.9	55
84	The surface structure of 1-bromo-2-chloroethane on Cu(111). Surface Science, 1997, 392, 199-211.	1.9	11
85	Chlorine adsorption and diffusion on Cu(111). Surface Science, 1996, 348, 115-132.	1.9	61
86	The structure of sulphur adsorption phases on Ni(111) studied by X-ray standing wavefield absorption. Surface Science, 1996, 366, 260-274.	1.9	30
87	Formation of translationally hot ethene by dissociative electron capture of adsorbed 1,2-dichloroethane. Chemical Physics Letters, 1996, 261, 539-544.	2.6	11
88	single-crystal growth on Cu(111): adsorption, desorption and formation of a chemisorbed phase. Journal of Physics Condensed Matter, 1996, 8, 3285-3295.	1.8	2
89	Structural determination of the (111)-(111)̄-30° surface using the normal incidence X-ray standing wave method. Surface Science, 1995, 324, 122-132.	1.9	43
90	Local geometrical structure of a Co-adsorption phase on Al(111): atop bonding due to chemical heterogeneity. Surface Science, 1995, 328, L533-L538.	1.9	16

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91	CF3I adsorption on InSb(001). Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3603.	1.7	2
92	Quantitative structural study of an Na ⁺ O coadsorption phase on Al(111) using X-ray standing waves. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3555-3561.	1.7	4
93	POSSIBLE "HOT" MOLECULE DESORPTION BY ELECTRON STIMULATED DECOMPOSITION OF DIHALOETHANES ON Cu(111). Surface Review and Letters, 1994, 01, 535-538.	1.1	6
94	A structural study of the Al(111)($\sqrt{3} \times \sqrt{3}$)R30 degrees-Rb phase at different temperatures. Journal of Physics Condensed Matter, 1994, 6, 1869-1880.	1.8	19
95	The reaction of 1,2-dichloroethane with copper. Catalysis Letters, 1994, 24, 333-342.	2.6	21
96	Rotational epitaxy of a hexagonal layered material on a square substrate: PbI ₂ on InSb(001). Surface Science, 1994, 310, 73-84.	1.9	2
97	Cyanogen iodide adsorption on Ni(100). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 2024-2028.	2.1	2
98	1,2-dichloroethane adsorption on Cu(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1993, 11, 2019-2023.	2.1	16
99	An unusual adsorption site for methoxy on Al(111) surfaces. Journal of Physics Condensed Matter, 1992, 4, 5043-5052.	1.8	26
100	Structural investigation of Rb adsorption on Al(111) using normal incidence standing x-ray wavefield absorption triangulation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2148-2153.	2.1	20
101	1,2-dichloroethane adsorption on Cu(111): molecular adsorption. Surface Science, 1992, 264, 391-405.	1.9	29
102	The structure of sodium adsorption phases on Al(111). Surface Science, 1992, 278, 246-262.	1.9	47
103	Structural study of 1,2-dichloroethane on Cu(111) using X-ray absorption and standing waves. Surface Science, 1992, 268, 36-44.	1.9	21
104	Structural study of alkali/simple metal adsorption: Rb and Na on Al(111). Physical Review Letters, 1992, 68, 3204-3207.	7.8	110
105	Iodine adsorption on InSb(001) at room temperature and low temperature: surface reaction. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 3259.	1.7	10
106	Homo- and hetero-iodide thin film growth on InSb(001): low-temperature iodide formation and epitaxial growth of CdI ₂ . Applied Surface Science, 1991, 48-49, 27-38.	6.1	7
107	Normal-incidence standing X-ray wavefield absorption and SEXAFS studies of adsorption structures on Cu and Ni surfaces. Faraday Discussions of the Chemical Society, 1990, 89, 301.	2.2	14
108	A SEXAFS and X-ray standing wave study of the surface: Adsorbate-substrate and adsorbate-adsorbate registry. Surface Science, 1990, 230, 13-26.	1.9	56

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109	Angular dependence of secondary electron "fine structure" in Auger electron spectra. Surface Science, 1990, 232, L228-L231.	1.9	17
110	Mercury adsorption on Ni(111). Surface Science, 1990, 232, 229-242.	1.9	36
111	Mercury adsorption on Ni(111). Surface Science, 1990, 232, 243-258.	1.9	23
112	A solid-state ultrahigh vacuum compatible source of molecular iodine. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1989, 7, 3373-3374.	2.1	10
113	The structure of the Ni(100)-(2x2)Hg surface. Journal of Physics Condensed Matter, 1989, 1, SB21-SB25.	1.8	6
114	A surface phase transition driven by the density of states at the Fermi level. Chemical Physics Letters, 1989, 155, 463-469.	2.6	22
115	The structure of mercaptide on Cu(111): a case of molecular adsorbate-induced substrate reconstruction. Surface Science, 1989, 215, 566-576.	1.9	71
116	CF ₃ I adsorption on Ni{100}. Vacuum, 1988, 38, 213-218.	3.5	18
117	Halogen adsorption on solid surfaces. Progress in Surface Science, 1988, 27, 25-160.	8.3	103
118	A simple X-ray standing wave technique for surface structure determination - theory and an application. Surface Science, 1988, 195, 237-254.	1.9	152
119	Simple x-ray standing-wave technique and its application to the investigation of the Cu(111) (√3 × √3) Tj ETQq1 1,0.784314 rrgBT /Cv	7.8	165
120	Mercury adsorption on Ni{100}. Surface Science, 1987, 188, 87-106.	1.9	37
121	A mercaptide intermediate on Cu(111). Surface Science, 1987, 189-190, 529-534.	1.9	30
122	A SEXAFS study of several surface phases of iodine adsorption on Ni{100}. Surface Science, 1987, 179, 425-441.	1.9	23
123	A SEXAFS study of several surface phases of iodine adsorption on Ni{100}. Surface Science, 1987, 179, 442-452.	1.9	10
124	Investigation of the Cu(111) (√3 × √3)R30°-Cl structure using sexafs and photoelectron diffraction. Surface Science, 1987, 182, 213-230.	1.9	69
125	0.1-10 keV soft X-ray beamline for surface EXAFS studies at the Daresbury SRS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 246, 131-133.	1.6	51
126	Surface EXAFS and magic angle spinning NMR studies of anodically formed oxide films on aluminium. Surface and Interface Analysis, 1986, 9, 383-383.	1.8	2

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127	Complete Adsorption Site Information for Cl on Cu(111) Using X-Ray Absorption Fine Structure and Photoelectron Diffraction. Europhysics Letters, 1986, 2, 857-861.	2.0	22
128	THE STRUCTURE OF THE Cu(111) ($\sqrt{3} \times \sqrt{3}$) R30°-Cl SURFACE : A COMBINED SEXAFS AND PHOTOELECTRON DIFFRACTION STUDY. Journal De Physique Colloque, 1986, 47, C8-533-C8-538.	0.2	0
129	A surface EXAFS study of a surface iodide phase on Ni{100}. Surface Science, 1985, 152-153, 443-452.	1.9	16
130	Thermodynamic measurements for N ₂ adsorption on Ni(100). Surface Science, 1984, 141, 455-472.	1.9	54
131	Core level photoemission study of the adsorption of iodine on Ni{100}. Surface Science, 1984, 136, 23-40.	1.9	26
132	A SEXAFS Study of Iodine on Ni{100}: The Surface Iodide Phase. Springer Proceedings in Physics, 1984, , 258-260.	0.2	0
133	Core level photoemission study of the adsorption of iodine Ni{100}. Vacuum, 1983, 33, 858-859.	3.5	6
134	The incorporation of a siliceous impurity during the anodic oxidation of aluminum in a sodium tartrate electrolyte. Applications of Surface Science, 1983, 17, 124-130.	1.0	0
135	The formation of a surface iodide on Ni{100} and adsorption of I ₂ at low temperatures. Surface Science, 1983, 127, 424-440.	1.9	32
136	Reply to comments on $\sqrt{3} \times \sqrt{3}$ re-interpretation of the leed structures formed by iodine on w(110) by P.A. Dowben and R.G. Jones. Surface Science, 1982, 116, L228-L231.	1.9	11
137	Sampling depths in total yield and reflectivity SEXAFS studies in the soft X-ray region. Surface Science, 1982, 114, 38-46.	1.9	53
138	Reply to comments on $\sqrt{3} \times \sqrt{3}$ re-interpretation of the LEED structures formed by iodine on W(110) by P.A. Dowben and R.G. Jones. Surface Science Letters, 1982, 116, L228-L231.	0.1	0
139	A re-interpretation of the LEED structures formed by iodine on W(110). Surface Science, 1981, 105, 334-346.	1.9	19
140	The adsorption of I ₂ on Ni{100} studied by AES, LEED and thermal desorption. Vacuum, 1981, 31, 411-415.	3.5	33
141	The chemisorption of mercury on Fe(100): adsorption and desorption kinetics, equilibrium properties and surface structure. Vacuum, 1981, 31, 493-498.	3.5	32
142	Halogen adsorption on Fe(100). Surface Science, 1979, 88, 331-347.	1.9	48
143	Halogen adsorption on Fe(100). Surface Science, 1979, 88, 348-366.	1.9	58
144	Halocarbon adsorption on Fe(100). Surface Science, 1979, 88, 367-383.	1.9	34

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145	Halogen adsorption on Fe(100). Surface Science, 1979, 84, 449-461.	1.9	69
146	Fractional and zero order desorption kinetics of adsorbed monolayers: The role of attractive lateral interactions in the Hg/W(100) system. Surface Science, 1979, 82, 540-548.	1.9	55
147	Halocarbon adsorption on Fe(100) The adsorption of CBr ₄ studied by AES, LEED, work function change and thermal desorption; comparison of CBr ₄ with Br ₂ and CCl ₄ behaviour. Surface Science, 1979, 89, 114-122.	1.9	17
148	The chemisorption of mercury on tungsten (100): Adsorption and desorption kinetics, equilibrium properties and surface structure. Surface Science, 1978, 71, 59-74.	1.9	81