

# Janice E Reutt-Robey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6850078/publications.pdf>

Version: 2024-02-01

44  
papers

2,104  
citations

257357

24  
h-index

243529

44  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2308  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent Exclusion and Chemical Contrast in Scanning Force Microscopy. Journal of the American Chemical Society, 1996, 118, 8925-8931.	6.6	202
2	Microscopic Co Diffusion on a Pt(111) Surface by Time-Resolved Infrared Spectroscopy. Physical Review Letters, 1988, 61, 2778-2781.	2.9	166
3	Molecular beam photoelectron spectroscopy and femtosecond intramolecular dynamics of H <sub>2</sub> O <sup>+</sup> and D <sub>2</sub> O <sup>+</sup> . Journal of Chemical Physics, 1986, 85, 6928-6939.	1.2	160
4	High resolution UV photoelectron spectroscopy of CO <sup>+</sup> , COS <sup>+</sup> and CS <sup>+</sup> using supersonic molecular beams. Journal of Electron Spectroscopy and Related Phenomena, 1988, 47, 167-186.	0.8	145
5	CO diffusion on Pt(111) with time-resolved infrared-pulsed molecular beam methods: Critical tests and analysis. Journal of Chemical Physics, 1990, 93, 9113-9129.	1.2	126
6	Autocatalytic Oxidation of Lead Crystallite Surfaces. Science, 2002, 297, 2033-2035.	6.0	110
7	Rotationally resolved photoelectron spectroscopy of H <sub>2</sub> , HD, and D <sub>2</sub> . Journal of Chemical Physics, 1982, 77, 34-46.	1.2	109
8	Photoelectron spectroscopy and inferred femtosecond intramolecular dynamics of C <sub>2</sub> H <sub>2</sub> and C <sub>2</sub> D <sub>2</sub> . Journal of Chemical Physics, 1986, 84, 3022-3031.	1.2	107
9	Kinetics of oxygen-induced faceting of vicinal Ag(110). Physical Review Letters, 1994, 72, 258-261.	2.9	93
10	Coupling of H vibration to substrate electronic states in Mo(100)-p(1 $\sqrt{3}$ ×1)H and W(100)-p(1 $\sqrt{3}$ ×1)H: Example of strong breakdown of adiabaticity. Physical Review B, 1988, 38, 3112-3132.	1.1	88
11	Coverage Dependent Supramolecular Structures: C <sub>60</sub> :ACA Monolayers on Ag(111). Journal of the American Chemical Society, 2006, 128, 8493-8499.	6.6	61
12	Steps as adatom sources for surface chemistry: oxygen overlayer formation on Ag(110). Surface Science, 1995, 330, L679-L685.	0.8	58
13	Variable Temperature Scanning Tunneling Microscopy of Pentacene Monolayer and Bilayer Phases on Ag(111). Journal of Physical Chemistry C, 2008, 112, 20334-20339.	1.5	56
14	Chiral Symmetry Breaking in Two-Dimensional C <sub>60</sub> -ACA Intermixed Systems. Nano Letters, 2005, 5, 2207-2211.	4.5	54
15	Self-Assembled $\omega$ -Hydroxyalkanethiol Monolayers with Internal Functionalities: Electrochemical and Infrared Structural Characterizations of Ether-Containing Monolayers. The Journal of Physical Chemistry, 1995, 99, 14500-14505.	2.9	50
16	Breakdown of compensation and persistence of nonsaturating magnetoresistance in gated $\text{WT}_2\text{e}_2$ flakes. Physical Review B, 2016, 93, .	1.1	49
17	H adsorption and the formation of alane oligomers on Al(111). Surface Science, 1999, 437, 377-385.	0.8	45
18	Flux-Selected Titanyl Phthalocyanine Monolayer Architecture on Ag (111). Journal of Physical Chemistry C, 2008, 112, 18537-18542.	1.5	42

#	ARTICLE	IF	CITATIONS
19	Neutral-current Hall effects in disordered graphene. Physical Review B, 2015, 92, .	1.1	38
20	Fluctuation kinetics of an isolated Ag(110) step. Physical Review B, 1996, 53, 15991-15996.	1.1	35
21	Metal-hydrogen bridge bonding of hydrocarbons on metal surfaces. Proceedings of the National Academy of Sciences of the United States of America, 1981, 78, 3981-3985.	3.3	34
22	Directed Organization of C <sub>70</sub> Kagome Lattice by Titanyl Phthalocyanine Monolayer Template. Journal of the American Chemical Society, 2011, 133, 15232-15235.	6.6	32
23	Striped domains at the pentacene:C60 interface. Applied Physics Letters, 2009, 94, .	1.5	26
24	Electronic transport properties of Ir-decorated graphene. Scientific Reports, 2015, 5, 15764.	1.6	24
25	Dipole-Dipole Interactions in TiOPc Adlayers on Ag. Journal of Physical Chemistry C, 2014, 118, 3523-3532.	1.5	23
26	TiOPc Molecular Dislocation Networks as Nanotemplates for C60 Cluster Arrays. Journal of the American Chemical Society, 2009, 131, 12026-12027.	6.6	22
27	C <sub>60</sub> -Pentacene Network Formation by 2-D Co-Crystallization. Langmuir, 2009, 25, 9857-9862.	1.6	20
28	Pascalammety with operando microbattery probes: Sensing high stress in solid-state batteries. Science Advances, 2018, 4, eaas8927.	4.7	17
29	Morphology Selected Molecular Architecture: Acridine Carboxylic Acid Monolayers on Ag (111). Journal of Physical Chemistry B, 2006, 110, 1271-1276.	1.2	14
30	Substrate-Mediated Intermolecular Hybridization in Binary Phthalocyanine Superstructures. Journal of Physical Chemistry C, 2010, 114, 1041-1045.	1.5	14
31	Isonicotinic Acid Molecular Films on Ag(111): I. XPS and STM Studies of Orientational Domains. Journal of Physical Chemistry C, 2007, 111, 2102-2106.	1.5	13
32	Dynamic interfaces in an organic thin film. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16418-16425.	3.3	11
33	Complexation and Phase Evolution at Dimethylformamide-Ag(111) Interfaces. Journal of Physical Chemistry C, 2016, 120, 22979-22988.	1.5	10
34	Polymorphism in Self-Assembled Structures of 9-Anthracene Carboxylic Acid on Ag(111). International Journal of Molecular Sciences, 2012, 13, 6836-6848.	1.8	9
35	Adsorption and Reaction Branching of Molecular Carbonates on Lithiated C(0001) Substrates. Journal of Physical Chemistry C, 2014, 118, 19017-19022.	1.5	9
36	Potential Steps at C60-TiOPc-Ag(111) Interfaces: Ultrahigh-Vacuum Noncontact Scanning Probe Metrology. Nano Letters, 2012, 12, 2859-2864.	4.5	6

#	ARTICLE	IF	CITATIONS
37	Molecular Interface Formation in Titanyl Phthalocyanine C <sub>60</sub> Monolayer Films. Journal of Physical Chemistry C, 2012, 116, 23773-23778.	1.5	6
38	Scanning MWCNT Nanopipette and Probe Microscopy: Li Patterning and Transport Studies. Small, 2015, 11, 4946-4958.	5.2	6
39	Scanning Tunneling Microscopy Study of Alanes/Al(111): Contrasting Neat and Molecularly-Terminated W Tips. Journal of Physical Chemistry B, 2000, 104, 8507-8511.	1.2	4
40	Solvent-assisted growth of metal phthalocyanine thin films on Au(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, 031402.	0.9	3
41	Vertical Phase Separation in Bilayer [6,6]-Phenyl-C61-butyric Acid Methyl Ester:Zinc Phthalocyanine Films. Journal of Physical Chemistry C, 2014, 118, 18612-18617.	1.5	3
42	Electrical detection of CF <sub>3</sub> Cl phase transitions on graphene. Applied Physics Letters, 2013, 103, 201606.	1.5	2
43	Seeding the Physical and Analytical Laboratory Curriculum with Interdisciplinary Applications. Journal of Chemical Education, 1999, 76, 161.	1.1	1
44	Mass Transfer in Surface Chemical Processes: Adsorption, Faceting and Reaction on Ag(110). NATO ASI Series Series B: Physics, 1997, , 475-487.	0.2	1