

# William Paul

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

1,336  
citations

567281

15  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent spin manipulation of individual atoms on a surface. <i>Science</i> , 2019, 366, 509-512.	12.6	109
2	Tuning the Exchange Bias on a Single Atom from 1ÅmT to 10ÅT. <i>Physical Review Letters</i> , 2019, 122, 227203.	7.8	54
3	Probing quantum coherence in single-atom electron spin resonance. <i>Science Advances</i> , 2018, 4, eaaq1543.	10.3	78
4	Reading and writing single-atom magnets. <i>Nature</i> , 2017, 543, 226-228.	27.8	319
5	Atomic-scale sensing of the magnetic dipolar field from single atoms. <i>Nature Nanotechnology</i> , 2017, 12, 420-424.	31.5	96
6	Engineering the Eigenstates of Coupled Spin- $\frac{1}{2}$ Atoms on a Surface. <i>Physical Review Letters</i> , 2017, 119, 227206.	7.8	78
7	Control of the millisecond spin lifetime of an electrically probed atom. <i>Nature Physics</i> , 2017, 13, 403-407.	16.7	97
8	Generation of constant-amplitude radio-frequency sweeps at a tunnel junction for spin resonance STM. <i>Review of Scientific Instruments</i> , 2016, 87, 074703.	1.3	40
9	Electron paramagnetic resonance of individual atoms on a surface. <i>Science</i> , 2015, 350, 417-420.	12.6	280
10	Field Ion Microscopy for the Characterization of Scanning Probes. , 2015, , 159-198.		2
11	FIM tips in SPM: Apex orientation and temperature considerations on atom transfer and diffusion. <i>Applied Surface Science</i> , 2014, 305, 124-132.	6.1	9
12	Indentation-formed nanocontacts: an atomic-scale perspective. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8201-8222.	2.8	15
13	Transient adhesion and conductance phenomena in initial nanoscale mechanical contacts between dissimilar metals. <i>Nanotechnology</i> , 2013, 24, 475704.	2.6	6
14	Minimum Threshold for Incipient Plasticity in the Atomic-Scale Nanoindentation of Au(111). <i>Physical Review Letters</i> , 2013, 110, 135506.	7.8	42
15	Simple Si(111) surface preparation by thin wafer cleavage. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013, 31, .	2.1	3
16	Conductivity of an atomically defined metallic interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19097-19102.	7.1	25
17	Implementation of atomically defined field ion microscopy tips in scanning probe microscopy. <i>Nanotechnology</i> , 2012, 23, 335702.	2.6	16
18	Refined tip preparation by electrochemical etching and ultrahigh vacuum treatment to obtain atomically sharp tips for scanning tunneling microscope and atomic force microscope. <i>Review of Scientific Instruments</i> , 2011, 82, 113903.	1.3	24

#	ARTICLE	IF	CITATIONS
19	Note: Electrochemical etching of sharp iridium tips. Review of Scientific Instruments, 2011, 82, 116105.	1.3	7
20	High-resolution friction force microscopy under electrochemical control. Review of Scientific Instruments, 2010, 81, 083701.	1.3	36