

#	Sponsor	Authors and Title	Publication
1.	NSF Fellowship	G.I. Rochlin and P.K. Hansma <i>Electron Tunneling Cr-Cr₂O₃</i>	Phys. Rev. B, 2, 1460 (1970)
2.	NSF Fellowship	G.I. Rochlin, P.K. Hansma and N. Sweet <i>Externally Shunted Josephson Junctions: Generalized Weak Links</i>	J. Phys. Rev.B, 4, 3003 (1971)
3.	NSF Fellowship	P.K. Hansma and G.I. Rochlin <i>Josephson Weak Links: Shunted- Junctions and Mechanical-Model Results</i>	J. Appl. Phys. 43, 4721 (1972)
4.	ARO-D	P.K. Hansma <i>Superconducting Single-Junction Interferometers with Small Critical Currents</i>	J. Appl. Phys. 44, 4191 (1973)
5.	AEC	G.I. Rochlin and P.K. Hansma <i>Inexpensive Mechanical Model of a Josephson Weak Link</i>	Am. J. Phys. 41, 878 (1973)
6.	EPA Res. Corp.	P.K. Hansma <i>Thin Film Arrays of Weakly Coupled Super-Conducting Particles</i>	Solid State Comm. Comm. 13, 397 (1973)
7.	NSF Fellowship AEC	P.K. Hansma and G.I. Rochlin <i>Josephson Weak Links: Two Models</i>	Low Temp. Phys. LT 13 3, 301 (1974)
8.	Res. Corp. NSF	P.K. Hansma <i>A New Method for Fabricating Niobium Oxide Barrier Josephson Junctions</i>	J. Appl. Phys. 45, 1472 (1974)
9.	NSF	C.M. Falco, W.H. Parker, S.E. Trullinger and P.K. Hansma <i>Effect of Thermal Noise on Current-Voltage Characteristics of Josephson Junctions</i>	Phys. Rev. B, 10, 1865 (1974)
10.	NSF Res. Corp.	P.K. Hansma and J.R. Kirtley <i>Two-Dimensional Arrays Josephson Weak Links</i>	J. Appl. Phys. 5, 4016 (1974)
11.	NSF	D. McBride, G. Rochin and P.K. Hansma <i>Characterization of Metal Oxide Tunnel Junction Barriers</i>	J. Appl. Phys. 45, 2305 (1974)
12.	NSF	P.K. Hansma and R.V. Coleman <i>Spectroscopy of Biological Compounds with Inelastic Electron Tunneling</i>	Science 184, 1369 (1974)
13.	NSF	J. Kirtley, Y. Imry and P.K. Hansma <i>Fluctuation Induced Conductivity Above the Critical Temperature in Small Particle Arrays</i>	J. Low Temp. Phys. 17, 247 (1974)
14.	NSF	M.G. Simonsen, R.V. Coleman and P.K. Hansma <i>High Resolution Inelastic Tunneling Spectroscopy of Macromolecules and Adsorbed Species with Liquid-Phase Doping</i>	J. Chem. Phys. 61, 3789 (1974)
15.	NSF	R. Rifkin, D. A. Vincent, P.K. Hansma and B.S. Deaver, Jr. <i>Detailed Measurements of the Response of an rf SQUID in the $L_c < \phi_0/2$</i>	IEEE Trans. on Magnetics, MAG-11 873 (1975)
16.	NSF	P.K. Hansma <i>Observability of Josephson Pair-Quasiparticle Interference in Superconducting Interferometers</i>	Phys. Rev. B 12, 1707 (1975)
17.	NSF	J.R. Kirtley and P.K. Hansma <i>Effect of the Second Metal Electrode on Vibrational Spectra in Inelastic Electron Tunneling Spectroscopy</i>	Phys. Rev. B 12, 531 (1975)
18.	NSF	P.K. Hansma and M. Parikh <i>A Tunneling Spectroscopy Study of Molecular Degradation Due to Electron Irradiation</i>	Science 188 1304 (1975)
19.	NSF	J.D. Langan and P.K. Hansma <i>Can the Concentration of Surface Species be Measured with Inelastic Electron Tunneling?</i>	Surf. Sci. 52, 211 (1975)
20.	NSF	P.K. Hansma <i>Inelastic Electron Tunneling</i>	LT 14 Proc. 5, 264 (1975)
21.	NSF	P.M. Chaikin and P.K. Hansma <i>Observation of Normal Metal Phonons with Proximity-Effect Tunneling</i>	Phys. Rev. Lett. 36, 1552 (1976)
22.	NSF	J. Kirtley and P.K. Hansma <i>Vibrational Mode Shifts in Inelastic Electron Tunneling Spectroscopy: Effects Due to Superconductivity and Surface Interactions</i>	Phys. Rev. B 13, 2910
23.	NSF	R. Rifkin, D.A. Vincent, B.S. Deaver, Jr. and P.K. Hansma <i>rf SQUID'S in the Nonhysteretic Mode: Detailed Comparison of Theory and Experiment</i>	J. Appl. Phys. 47, 2645 (1976)
24.	NSF	D.A. Cass, H.L. Strauss and P.K. Hansma <i>Vibrational Spectroscopy of Chemisorbed Fatty Acids with Inelastic Electron Tunneling</i>	Science 192, 1128 (1976)
25.	NSF	J. Kirtley, D.J. Scalapino and P.K. Hansma <i>Theory of Vibrational Mode Intensities in Inelastic Electron Tunneling Spectroscopy</i>	Phys. Rev. B 14, 3177 (1976)

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27.		M. Parikh, J.T. Hall and P.K. Hansma <i>Quantitative Tunneling Spectroscopy Study of Molecular Structural Changes Due to Electron Irradiation</i>	Phys. Rev. A 14, 1437 (1976)
28.	NSF Sloan	P.K. Hansma <i>Inelastic Electron Tunneling</i>	Physics Reports 30C, 145 (1977)
29.	NSF	P.M. Chaikin, G. Arnold and P.K. Hansma <i>Phonon Structure in the Tunneling Characteristics of Thin Proximity Effect Sandwiches</i>	J. Low Temp. Phys. 26, 229 (1977)
30.	NSF Sloan	J.T. Hall, P.K. Hansma and M. Parikh <i>Electron Beam Damage of Chemisorbed Surface Species: A Tunneling Spectroscopy Study</i>	Surf. Sci. 65, 552 (1977)
31.	NSF Sloan	P.K. Hansma, D.A. Hickson and J.A. Schwarz <i>Chemisorption and Catalysis on Oxidized Aluminum Metal</i>	J. Catal. 48, 237 (1977)
32.	NSF Sloan	R.C. Jaklevic, J. Lambe, Kirtley and P.K. Hansma <i>Structure at 0.8 eV in Metal-Insulator-Metal Tunneling Junctions</i>	J. Phys. Rev. B 15, 4103 (1977)
33.	NSF Sloan	R.M. Kroeker and P.K. Hansma <i>A Measurement of the Sensitivity of Inelastic Electron Tunneling Spectroscopy</i>	Surf. Sci. 67, 362 (1977)
34.	NSF Sloan	J. Kirtley and P.K. Hansma <i>An Experimental Test of Symmetry Selection Rules in Inelastic Electron Tunneling Spectroscopy</i>	Surf. Sci. 66 125 (1977)
35.	NSF	S. Colley and P.K. Hansma <i>Bridge Sloan for Differential Tunneling Spectroscopy</i>	Rev. Sci. Instr. 48, 1192 (1977)
36.	NSF Sloan	P.K. Hansma <i>Survey of Applications of Tunneling Spectroscopy</i>	Solid State Sci. (Springer, 1978) 4, 13
37.	NSF Sloan	P.K. Hansma <i>Study of Supported Catalyst Particles by Tunneling Spectroscopy</i>	Solid State Sci. (Springer, 1978) 4, 13
38.	NSF Sloan	P.M. Chaikin, P.K. Hansma and R.L. Greene <i>Electron Tunneling in (SN)_x and Conducting Organic Salts</i>	Phys. Rev. B 17, 179 (1978)
39.	NSF Sloan	J.T. Hall and P.K. Hansma <i>Adsorption and Orientation of Sulfonic Acids on Aluminum Oxide: A Tunneling Spectroscopy Study</i>	Surf. Sci. 71 1 (1978)
40.	NSF Sloan	P.K. Hansma and H.P. Broida <i>from Gold Particles Excited by Electron Tunneling</i>	Appl. Phys. Lett. 32, 545 (1978)
41.	NSF	P.K. Hansma and J. Kirtley <i>Recent Advances in Inelastic Electron Tunneling Spectroscopy</i>	Accts. Chem. Res. 11, 440 (1978)
42.	NSF Sloan	J.T. Hall and P.K. Hansma <i>Chemisorption of Monocarboxylic Acids on Alumina: A Tunneling Spectroscopy Study</i>	Surf. Sci. 76, 61 (1978)
43.	NSF Sloan	P.K. Hansma <i>What Can Be Learned About Catalysis with Inelastic Electron Tunneling Spectroscopy?</i>	Am. Chem. Soc. Meeting, Miami Beach (1978)
44.	NSF	A. Adams, J.C. Wyss and P.K. Hansma <i>Possible Observation of Local Plasmon Modes Excited by Electrons Tunneling Through Junctions</i>	Phys. Rev. Lett. 42, 912 (1979)
45.	ONR NSF Sloan	R.M. Kroeker, W.C. Kaska and P.K. Hansma <i>How Carbon Monoxide Bonds to Alumina Supported Rhodium Particles: Tunneling Spectroscopy Measurements with Isotopes</i>	J. Catal. 57, 72 (1979)
46.	NSF Sloan ONR	R.M. Kroeker, W.C. Kaska and P.K. Hansma <i>Formation of Hydrocarbons from Carbon Monoxide on Rhodium/Alumina Model Catalysts</i>	J. Catal. 61, 87 (1980)
47.		R.M. Kroeker, P.K. Hansma and W.C. Kaska <i>Low Energy Vibrational Mode of Carbon Monoxide on Iron</i>	J. Chem. Phys. 72, 4845 (1980)
48.	NSF Sloan	R.M. Kroeker, W.C. Kaska and P.K. Hansma <i>Sulfur Modifies the Chemisorption of Carbon Monoxide on Rhodium/Alumina Model Catalysts</i>	J. Catal. 63, 487 (1980)

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50.	NSF Sloan	A. Bayman and P.K. Hansma <i>Inelastic Electron Tunneling Spectroscopic Study of Lubrication</i>	Nature 285, 97-1980
51.	ONR NSF	R.M. Kroeker, W.C. Kaska and P.K. Hansma <i>Vibrational Spectra of Carbon Monoxide Chemisorbed on Alumina-Supported Nickel Particles: A Tunneling Spectroscopy Study</i>	J. Chem. Phys. 74, 732 (1981)
52.	ONR DOE	L.H. Dubois, P.K. Hansma and G.A. Somorjai <i>The Application of High Resolution Electron Energy Loss Spectroscopy to the Study of Model Supported Metal Catalysts</i>	Appl. Surf. Sci. 6, 173 (1980)
53.	ONR DOE	L.H. Dubois, P.K. Hansma and G.A. Somorjai <i>Evidence for an Oxygen Intermediate in the Catalytic Reduction of NO by CO on Rhodium Surfaces</i>	J. Catal. 65, 318 (1980)
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55.	ONR NSF	R.M. Kroeker and P.K. Hansma <i>Tunneling Spectroscopy for the Study of Adsorption and Reactions on Model Catalysts</i>	Catal. Rev. – Sci. Eng. 23, 553 (1981)
56.	NSF	A. Adams, R.W. Rendell, R.W. Garnett, P.K. Hansma and H. Metiu <i>Effect of Metal Film Thickness on Surface-Atom Coupling</i>	Optics Comm. 34, 417 (1980)
57.	NSF	A. Adams and P.K. Hansma <i>Practical Range and Energy Loss of 0.1-1-3 keV Electrons in Thin Films of N₂, O₂, A, Kr and Xe</i>	Phys. Rev. B 22, 4258 (1980)
58.	NSF	A. Adams and P.K. Hansma <i>Light Emission from Small Metal Particles and Thin Metal Films Excited by Tunneling Electrons</i>	Phys. Rev. B 23, 3597 (1981)
59.	NSF ONR	A. Bayman, P.K. Hansma and W.C. Kaska <i>Shifts and Dips in Inelastic Electron Tunneling Spectra Due to the Tunnel Junctions Environment</i>	Phys. Rev. B 25, 2449 (1981)
60.	NSF	A. Adams, J. Moreland and P.K. Hansma <i>Angular Resonances in the Light Emission from Atoms Near a Grating</i>	Surf. Sci. 111, 351 (1981)
61.	NSF ONR	P.K. Hansma, Editor <i>Tunneling Spectroscopy: Capabilities, Applications and New Techniques</i>	Book (Plenum Press, NY, 1982)
62.	NSF ONR	P.K. Hansma Chapter 1 <i>Introduction</i>	Chapter in Book see #61
63.	NSF ONR	P.K. Hansma and H.G. Hansma Chapter 16, <i>Vibrational Spectroscopy of Sub-Nanogram Samples with Tunneling Spectroscopy</i>	Chapter in Book see #61
64.		A. Bayman, P.K. Hansma and W.C. Kaska <i>The Effect of the Top Metal Electrode on Tunneling Spectra</i>	Physica 108B, 1171 (1981)
65.	NSF	J. Moreland, A. Adams and P.K. Hansma <i>Efficiency of Light Emission from Surface Plasmons</i>	Phys. Rev. B 25, 2297 (1982)
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69.	ONR	A. Bayman, P.K. Hansma, W.C. Kaska and L.H. Dubois <i>Inelastic Electron Tunneling Spectroscopic Study of Acetylene Chemisorbed on Alumina Supported Palladium Particles</i>	Appl. Surf. Sci. 14, 194 (1982)
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72.	NSF ONR	John Moreland, S. Alexander, M. Cox, R. Sonnenfeld and P.K. Hansma	Appl. Phys. Lett. 43, 387 (1983)
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75.	ONR NSF	Paul K. Hansma	Proc. Second Winter Meeting Low Temperature Physics, Cocoyoc, Mexico, 1981, Instituto de Investigaciones en Materiales, UNAM
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79.	NSF	Jeff Drucker and P.K. Hansma	Phys. Rev. B 30, 4348 (1984)
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82.	ONR	R.V. Coleman, B. Drake, P.K. Hansma and G. Slough	Phys. Rev. Lett. 55, 394 (1985)
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86.	NSF	R. Sonnenfeld and P.K. Hansma	Science 232, 211-213 (1986)
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92.	NSF ONR	B. Drake, R. Sonnenfeld, J. Schneir and P.K. Hansma	Surf. Sci. 181, 92 (1987)
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		<i>Images of Charge-Density Waves Obtained with Scanning Tunneling Microscope</i>	
94.		Paul K. Hansma <i>Scanning Tunneling Microscopy</i>	Physics Today 40 S-19, "Physics News in 1987"
95.	NSF	R. Sonnenfeld, J. Schneir, B. Drake, P.K. Hansma and D. Aspnes <i>Semiconductor topography in aqueous environments: Tunneling Microscopy of chemo-mechanically polished (001) GaAs</i>	Appl. Phys. Lett. 50 , 1742 (1987)
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98.	NSF ONR	C. Giambattista, W.W. McNairy, C.G. Slough, A. Johnson, L.D. Bell, R.V. Coleman, J. Schneir, R. Sonnenfeld, B. Drake and P.K. Hansma <i>Atomic resolution images of solid-liquid interfaces</i>	Proc. Nat'l. Acad. Sci. USA, 84 , 467 (1987)
99.	NSF ONR	J. Schneir and P.K. Hansma <i>Scanning tunneling microscopy and lithography of solid surfaces covered with non-polar liquids</i>	Langmuir 3 , 1025 (1987)
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102A.	NSF ONR	P.K. Hansma <i>Atomic Force (AFM) and Scanning Tunneling Microscopy (STM) with a Combination AFM/STM for Atomic Force Microscopes</i>	J. Vac. Sci. & Technol. May-June '88 Book 3 Am. Vacuum Society Conf. Nov. 2-5, 1987, Anaheim Talk
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109.	NSF	B. Giambattista, A. Johnson, R.V. Coleman, B. Drake and P.K. Hansma <i>Charge-density Waves Observed at 4.2 K by Scanning-Tunneling Microscopy</i>	Phys. Rev. B. 37 , 2741 (1988)
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111.	NSF ONR	J. Schneir, V. Elings and P.K. Hansma	J. Electrochem. Soc.

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		<i>Detection of Atomic Surface Structure on NbSe₂ and NbSe₃ at 77 and 4.2K Using Scanning Tunneling Microscopy</i>	
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		<i>Applications of Scanning Tunneling Microscopy to the Study of Charge Density Waves</i>	
114.	ONR	O. Marti, S. Gould and P.K. Hansma	Rev. Sci. Instrum. 59, 836 (1988)
		<i>Control Electronics for Atomic Force Microscopy</i>	
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160.	NSF ONR	P. Dietz, P.K. Hansma, K.-H. Herrmann, O. Inacker and H.-D. Lehmann	<i>Ultramicroscopy</i> 35, 155 (1991)
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		<i>Atomic Force Microscopy--Seeing Molecules of Lipid and Immunoglobulin</i>	
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168.	NSF ONR	M. Hietschold, P.K. Hansma, and A. Weisenhorn	<i>Microscopy and Analysis</i> Issue 25, (September 1991),
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		<i>Size and Packing of Fullerenes on C₆₀/C₇₀ Crystal Surfaces Studied by Atomic Force Microscopy</i>	
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		<i>Toward Sequencing DNA with an Atomic Force Microscope</i>	
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		<i>Aragonite-Hydroxyapatite Conversion in Gastropod (Abalone) Nacre</i>	
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284.	NSF DMR 96-32716, NSF DMR 96-22169, ARO, DAAH04-96-1-0443	Ramsey M.D. Stevens, Neil A. Frederick, Bettye L. Smith, Daniel E. Morse, Galen D. Stucky and Paul. K. Hansma	Nanotechnology 11 (2000) 1-5
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		<i>Microfabricated Small Metal Cantilevers with Silicon Tip for Atomic Force Microscopy</i>	
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288.	NSF	Mario B. Viani, Lia I. Pietrasanta, James B. Thompson, Ami Chand, Ilse C. Gebeshuber, Johannes H. Kindt, Michael Richter, Helen G. Hansma and Paul K. Hansma	Nature Structural Biology (August 2000), Vol. 7 (8): 644-647
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		<i>Simulation of an Atomic Force Microscope Imaging a Moving Protein</i>	
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