

# Giacinto Scoles

## List of Publications by Year in descending order

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33  
papers

3,501  
citations

304701

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h-index

414395

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g-index

33  
all docs

33  
docs citations

33  
times ranked

3586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient water oxidation at carbon nanotubeâ€“polyoxometalate electrocatalytic interfaces. Nature Chemistry, 2010, 2, 826-831.	13.6	459
2	Physisorption and Chemisorption of Alkanethiols and Alkyl Sulfides on Au(111). Journal of Physical Chemistry B, 1998, 102, 3456-3465.	2.6	418
3	Superlattice structure at the surface of a monolayer of octadecanethiol selfâ€“assembled on Au(111). Journal of Chemical Physics, 1993, 98, 3503-3511.	3.0	339
4	Helium nanodroplet isolation rovibrational spectroscopy: Methods and recent results. Journal of Chemical Physics, 2001, 115, 10090.	3.0	337
5	Molecular order at the surface of an organic monolayer studied by low energy helium diffraction. Journal of Chemical Physics, 1989, 91, 4421-4423.	3.0	297
6	Coverage-Dependent Adsorption of CH <sub>3</sub> S and (CH <sub>3</sub> S) <sub>2</sub> on Au(111): A Density Functional Theory Study. Journal of Physical Chemistry B, 2001, 105, 9509-9513.	2.6	230
7	Pentacene ultrathin film formation on reduced and oxidized Si surfaces. Physical Review B, 2003, 67, .	3.2	204
8	Surface structure and thermal motion of nâ€“alkane thiols selfâ€“assembled on Au(111) studied by low energy helium diffraction. Journal of Chemical Physics, 1991, 94, 8493-8502.	3.0	193
9	Synthesis and Characterization of a Carbon Nanotubeâ€“Dendron Series for Efficient siRNA Delivery. Journal of the American Chemical Society, 2009, 131, 9843-9848.	13.7	168
10	Substrate dependence of the surface structure and chain packing of docosyl mercaptan selfâ€“assembled on the (111), (110), and (100) faces of single crystal gold. Journal of Chemical Physics, 1993, 98, 4234-4245.	3.0	134
11	Eigenstate resolved infrared/infrared double resonance spectroscopy of the 3 <sup>1</sup> / <sub>2</sub> overtone band of 1â€“propyne: Intramolecular vibrational energy redistribution into a Coriolisâ€“coupled bath. Journal of Chemical Physics, 1994, 100, 2612-2622.	3.0	80
12	Subâ€“Doppler, infrared laser spectroscopy of the propyne 2 <sup>1</sup> / <sub>2</sub> band: Evidence of zâ€“axis Coriolis dominated intramolecular state mixing in the acetylenic CH stretch overtone. Journal of Chemical Physics, 1994, 100, 2596-2611.	3.0	75
13	Influence of methyl group deuteration on the rate of intramolecular vibrational energy relaxation. Journal of Chemical Physics, 1993, 98, 1116-1122.	3.0	71
14	Structure of Physisorbed Overlayers of Dipolar Molecules: A Combined Study by Atomic-Beam Scattering and Molecular Dynamics. Physical Review Letters, 1988, 61, 710-713.	7.8	54
15	The rate of intramolecular vibrational energy relaxation of the fundamental Câ€“H stretch in (CF <sub>3</sub> ) <sub>3</sub> Câ€“Câ€“H. Journal of Chemical Physics, 1993, 98, 1748-1749.	3.0	53
16	Structural Investigation of Monolayers Prepared by Deposition of (CH <sub>3</sub> S) <sub>2</sub> on the (111) Face of Single-Crystal Gold. Journal of Physical Chemistry B, 2002, 106, 11771-11777.	2.6	50
17	Noble gas clusters as matrices for infrared spectroscopy. From small clusters to the bulkâ€“matrix limit: SF <sub>6</sub> Ar <sub>n</sub> , SF <sub>6</sub> Kr <sub>n</sub> , and SF <sub>6</sub> Xe <sub>n</sub> with 100â€“210â€“000. Journal of Chemical Physics, 1995, 102, 2302-2314.	3.0	48
18	Enhanced instability of extreme motion states in propyne: Lifetimes of overtone versus isoenergetic combination states. Journal of Chemical Physics, 1993, 99, 9314-9317.	3.0	38

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19	Low energy helium diffraction studies of CH <sub>3</sub> Br overlayers physisorbed on C(0001), NaCl(001), and LiF(001) surfaces. <i>Journal of Chemical Physics</i> , 1992, 96, 9212-9220.	3.0	35
20	UV spectra of benzene isotopomers and dimers in helium nanodroplets. <i>Journal of Chemical Physics</i> , 2004, 121, 2701.	3.0	33
21	Helium diffraction from overlayers physisorbed on a self-assembled organic monolayer. <i>Langmuir</i> , 1990, 6, 1804-1806.	3.5	30
22	Spectroscopy and Dynamics of Al Atoms Solvated in Superfluid Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3620-3626.	2.5	23
23	Helium Diffraction Study of Organic Single-Crystal Surfaces: Hydrogen-Bonded and Methyl-Terminated (001) Cleavage Planes of a Guanidinium Methanesulfonate Crystal. <i>Langmuir</i> , 2002, 18, 5551-5557.	3.5	20
24	Helium nanodroplet isolation spectroscopy of perylene and its complexes with oxygen. <i>Journal of Chemical Physics</i> , 2004, 120, 6792-6793.	3.0	19
25	Electron Tunneling through Molecular Media: A Density Functional Study of Au/Dithiol/Au Systems. <i>ChemPhysChem</i> , 2005, 6, 1906-1910.	2.1	18
26	Near-infrared spectroscopy of ethylene and ethylene dimer in superfluid helium droplets. <i>Journal of Chemical Physics</i> , 2005, 122, 104307.	3.0	18
27	Electronic Spectroscopy of Nonalternant Hydrocarbons Inside Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12200-12209.	2.5	13
28	Study of the interaction potential between He and a self-assembled monolayer of decanethiol. <i>Journal of Chemical Physics</i> , 2003, 119, 6277-6281.	3.0	11
29	Reinvestigation of the 2ν <sub>1</sub> Band in Trifluoropropyne using a Frequency Stabilized 1.5 μm Color Center Laser in Conjunction with a Laser Field Buildup Cavity. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1995, 99, 548-554.	0.9	9
30	Mechanical Stabilization Effect of Water on a Membrane-like System. <i>Journal of the American Chemical Society</i> , 2007, 129, 2636-2641.	13.7	9
31	Electronic Spectroscopy of Biphenylene Inside Helium Nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007, 111, 7624-7630.	2.5	9
32	Atomic diffraction study of the interaction of helium atoms with the surface of an organic single crystal: The (001) cleavage planes of guanidinium methanesulfonate. <i>Journal of Chemical Physics</i> , 2003, 118, 8405-8410.	3.0	6
33	Roger Ervin Miller. 23 July 1952 – 6 November 2005. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2008, 54, 215-228.	0.1	0