

Giacinto Scoles

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33
papers

3,251
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g-index

33
ext. papers

3,357
ext. citations

4.8
avg. IF

4.34
L-index

#	Paper	IF	Citations
33	Efficient water oxidation at carbon nanotube-polyoxometalate electrocatalytic interfaces. <i>Nature Chemistry</i> , 2010 , 2, 826-31	17.6	405
32	Physisorption and Chemisorption of Alkanethiols and Alkyl Sulfides on Au(111). <i>Journal of Physical Chemistry B</i> , 1998 , 102, 3456-3465	3.4	383
31	Superlattice structure at the surface of a monolayer of octadecanethiol self-assembled on Au(111). <i>Journal of Chemical Physics</i> , 1993 , 98, 3503-3511	3.9	319
30	Helium nanodroplet isolation rovibrational spectroscopy: Methods and recent results. <i>Journal of Chemical Physics</i> , 2001 , 115, 10090	3.9	316
29	Molecular order at the surface of an organic monolayer studied by low energy helium diffraction. <i>Journal of Chemical Physics</i> , 1989 , 91, 4421-4423	3.9	281
28	Coverage-Dependent Adsorption of CH ₃ S and (CH ₃) ₂ S on Au(111): a Density Functional Theory Study. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 9509-9513	3.4	227
27	Pentacene ultrathin film formation on reduced and oxidized Si surfaces. <i>Physical Review B</i> , 2003 , 67,	3.3	200
26	Surface structure and thermal motion of n-alkane thiols self-assembled on Au(111) studied by low energy helium diffraction. <i>Journal of Chemical Physics</i> , 1991 , 94, 8493-8502	3.9	182
25	Synthesis and characterization of a carbon nanotube-dendron series for efficient siRNA delivery. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9843-8	16.4	156
24	Substrate dependence of the surface structure and chain packing of docosyl mercaptan self-assembled on the (111), (110), and (100) faces of single crystal gold. <i>Journal of Chemical Physics</i> , 1993 , 98, 4234-4245	3.9	125
23	Eigenstate resolved infrared/infrared double resonance spectroscopy of the 3 ν_1 overtone band of 1-propyne: Intramolecular vibrational energy redistribution into a Coriolis-coupled bath. <i>Journal of Chemical Physics</i> , 1994 , 100, 2612-2622	3.9	73
22	Sub-Doppler, infrared laser spectroscopy of the propyne 2 ν_1 band: Evidence of z-axis Coriolis dominated intramolecular state mixing in the acetylenic CH stretch overtone. <i>Journal of Chemical Physics</i> , 1994 , 100, 2596-2611	3.9	68
21	Influence of methyl group deuteration on the rate of intramolecular vibrational energy relaxation. <i>Journal of Chemical Physics</i> , 1993 , 98, 1116-1122	3.9	59
20	Structure of physisorbed overlayers of dipolar molecules: A combined study by atomic-beam scattering and molecular dynamics. <i>Physical Review Letters</i> , 1988 , 61, 710-713	7.4	51
19	Structural Investigation of Monolayers Prepared by Deposition of (CH ₃) ₂ S on the (111) Face of Single-Crystal Gold. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 11771-11777	3.4	48
18	The rate of intramolecular vibrational energy relaxation of the fundamental C ν_1 stretch in (CF ₃) ₃ CCl. <i>Journal of Chemical Physics</i> , 1993 , 98, 1748-1749	3.9	47
17	Noble gas clusters as matrices for infrared spectroscopy. From small clusters to the bulk-matrix limit: SF ₆ Ar _n , SF ₆ Kr _n , and SF ₆ Xe _n with 100 $\leq n \leq$ 10 000. <i>Journal of Chemical Physics</i> , 1995 , 102, 2302-2314	3.9	40

16	Enhanced instability of extreme motion states in propyne: Lifetimes of overtone versus isoenergetic combination states. <i>Journal of Chemical Physics</i> , 1993 , 99, 9314-9317	3.9	36
15	Low energy helium diffraction studies of CH ₃ Br overlayers physisorbed on C(0001), NaCl(001), and LiF(001) surfaces. <i>Journal of Chemical Physics</i> , 1992 , 96, 9212-9220	3.9	34
14	UV spectra of benzene isotopomers and dimers in helium nanodroplets. <i>Journal of Chemical Physics</i> , 2004 , 121, 2701-10	3.9	32
13	Helium diffraction from overlayers physisorbed on a self-assembled organic monolayer. <i>Langmuir</i> , 1990 , 6, 1804-1806	4	26
12	Spectroscopy and Dynamics of Al Atoms Solvated in Superfluid Helium Nanodroplets \square <i>Journal of Physical Chemistry A</i> , 2000 , 104, 3620-3626	2.8	22
11	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	4	19
10	Helium nanodroplet isolation spectroscopy of perylene and its complexes with oxygen. <i>Journal of Chemical Physics</i> , 2004 , 120, 6792-3	3.9	17
9	Electron tunneling through molecular media: a density functional study of Au/Dithiol/Au systems. <i>ChemPhysChem</i> , 2005 , 6, 1906-10	3.2	17
8	Near-infrared spectroscopy of ethylene and ethylene dimer in superfluid helium droplets. <i>Journal of Chemical Physics</i> , 2005 , 122, 104307	3.9	15
7	Electronic spectroscopy of nonalternant hydrocarbons inside helium nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 12200-9	2.8	13
6	Study of the interaction potential between He and a self-assembled monolayer of decanethiol. <i>Journal of Chemical Physics</i> , 2003 , 119, 6277-6281	3.9	11
5	Reinvestigation of the 2v ₁ Band in Trifluoropropyne using a Frequency Stabilized 1.5 μ m Color Center Laser in Conjunction with a Laser Field Build-up Cavity. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1995 , 99, 548-554		9
4	Electronic spectroscopy of biphenylene inside helium nanodroplets. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 7624-30	2.8	8
3	Mechanical stabilization effect of water on a membrane-like system. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2636-41	16.4	7
2	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	3.9	5
1	Roger Ervin Miller. 23 July 1952 \square November 2005. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2008 , 54, 215-228	0.1	