Eileen M Spain

List of Publications by Year
in descending order

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29	1,314	394421 19	477307 29
papers	citations	h-index	g-index

29	29	29	1155
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Orienting DNA Helices on Gold Using Applied Electric Fields. Langmuir, 1998, 14, 6781-6784.	3.5	291
2	Ni2 revisited: Reassignment of the ground electronic state. Journal of Chemical Physics, 1995, 102, 666-674.	3.0	147
3	Bond strengths of transition-metal dimers: titanium-vanadium(TiV), vanadium dimer, titanium-cobalt (TiCo), and vanadium-nickel (VNi). The Journal of Physical Chemistry, 1992, 96, 2479-2486.	2.9	110
4	The 846 nm Aâ€™â€‰3Î£â^'uâ†Xâ€‰3Î£â^'g band system of jetâ€cooled V2. Journal of Chemical Physics, 1992, 96, 2511-2516.	3.0	75
5	Quantitative Changes in the Elasticity and Adhesive Properties of Escherichia coli ZK1056 Prey Cells During Predation by Bdellovibrio bacteriovorus 109J. Langmuir, 2008, 24, 8102-8110.	3.5	68
6	Predation, death, and survival in a biofilm: Bdellovibrio investigated by atomic force microscopy. Colloids and Surfaces B: Biointerfaces, 2005, 42, 263-271.	5.0	64
7	Morphology of 15-mer Duplexes Tethered to Au(111) Probed Using Scanning Probe Microscopy. Langmuir, 2001, 17, 5727-5730.	3.5	61
8	Ligandâ€field theory applied to diatomic transition metals. Results for thedA9dB9Ïƒ2states of Ni2, thedNi9dCu10Ïƒ2states of NiCu, and thedNi8(3F)dCu10Ïƒ2Ïƒ*1excited states of NiCu. Journal of Chemical Physics, 1992, 97, 4641-4660.	3.0	48
9	Spectroscopy and electronic structure of jetâ€cooled NiPd and PdPt. Journal of Chemical Physics, 1990, 92, 2710-2720.	3.0	46
10	Resonant twoâ€photon ionization spectroscopy of jetâ€cooled NiPt. Journal of Chemical Physics, 1990, 92, 2698-2709.	3.0	46
11	Characterizing Pilus-Mediated Adhesion of Biofilm-Forming E. coli to Chemically Diverse Surfaces Using Atomic Force Microscopy. Langmuir, 2013, 29, 3000-3011.	3.5	41
12	Bond strengths of transition metal diatomics: VNi and V2. International Journal of Mass Spectrometry and Ion Processes, 1990, 102, 183-197.	1.8	35
13	Spectroscopic studies of jetâ€cooled NiAu and PtCu. Journal of Chemical Physics, 1992, 97, 4605-4615.	3.0	35
14	Initial and final orbital alignment probing of the fine-structure-changing collisions among the Ca (4s)1(4p)1, 3P J states with He: determination of coherence and conventional cross-sections. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1401.	1.7	35
15	The 3dNi8(3F)3dCu10Ïƒ2Ïƒ*1 manifold of excited electronic states of NiCu. Journal of Chemical Physics, 1992, 97, 4633-4640.	3.0	32
16	Film Formation of Ag Nanoparticles at the Organicâ^'Aqueous Liquid Interface. Journal of Physical Chemistry B, 2005, 109, 138-141.	2.6	31
17	Investigations into the Life Cycle of the Bacterial Predator Bdellovibrio bacteriovorus 109J at an Interface by Atomic Force Microscopy. Biophysical Journal, 2003, 84, 3379-3388.	0.5	28
18	The A 1Î£+ â†•X 1Î£+ band system of CrMo. Chemical Physics Letters, 1991, 179, 411-416.	2.6	21

#	Article	IF	Citations
19	Atomic Force Microscopy of Bacterial Communities. Methods in Enzymology, 2005, 397, 256-268.	1.0	20
20	Marangoni Flow of Ag Nanoparticles from the Fluidâ^'Fluid Interface. Journal of Physical Chemistry A, 2008, 112, 9318-9323.	2.5	17
21	Orbital alignment cross sections by stimulated emission probing: The stateâ€toâ€state Ca Rydberg process Ca(4s17dâ€‰1D2)+Xeâ†'Ca(4s18pâ€‰1P1)+Xe. Journal of Chemical Physics, 1995, 102, 9532-9536.	3.0	14
22	Rapid isolation of host-independent Bdellovibrio bacteriovorus. Journal of Microbiological Methods, 2008, 73, 279-281.	1.6	10
23	Qualitative and Quantitative Changes to Escherichia coli during Treatment with Magainin 2 Observed in Native Conditions by Atomic Force Microscopy. Langmuir, 2020, 36, 650-659.	3.5	10
24	Alignment probing of Rydberg states by stimulated emission. Journal of Chemical Physics, 1995, 102, 9522-9531.	3.0	8
25	Experimental investigation of the initial-state alignment dependence in the energy pooling process:Ca(4s4p3P1)+Ca(4s4p3P1)â†'Ca(4s4p1P1)+Ca(4s2). Physical Review A, 1998, 58, 2136-2147.	2.5	7
26	Spatially Organized Films from Bdellovibrio bacteriovorus Prey Lysates. Applied and Environmental Microbiology, 2014, 80, 7405-7414.	3.1	7
27	Au nanoparticle clusters from deposition of a coalescing emulsion. Journal of Colloid and Interface Science, 2015, 450, 417-423.	9.4	3
28	Identification and differential production of ubiquinone-8 in the bacterial predator Bdellovibrio bacteriovorus. Research in Microbiology, 2016, 167, 413-423.	2.1	3
29	Extracellular Polymeric Substance Protects Some Cells in an Escherichia coli Biofilm from the Biomechanical Consequences of Treatment with Magainin 2. Microorganisms, 2021, 9, 976.	3.6	2