

# Michael D Morse

## List of Publications by Citations

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152  
papers

7,173  
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42  
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80  
g-index

153  
ext. papers

7,449  
ext. citations

4.1  
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5.87  
L-index

#	Paper	IF	Citations
152	Clusters of transition-metal atoms. <i>Chemical Reviews</i> , <b>1986</b> , 86, 1049-1109	68.1	1199
151	Surface reactions of metal clusters. II. Reactivity surveys with D <sub>2</sub> , N <sub>2</sub> , and CO. <i>Journal of Chemical Physics</i> , <b>1985</b> , 83, 2293-2304	3.9	355
150	Supersonic metal cluster beams of refractory metals: Spectral investigations of ultracold Mo <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1983</b> , 78, 1627-1637	3.9	305
149	Spectroscopic studies of the jet-cooled copper trimer. <i>Journal of Chemical Physics</i> , <b>1983</b> , 79, 5316-5328	3.9	211
148	Hydrogen chemisorption on transition metal clusters. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 590-591	3.9	201
147	Spectroscopic studies of the jet-cooled nickel dimer. <i>Journal of Chemical Physics</i> , <b>1984</b> , 80, 5400-5405	3.9	171
146	Spectroscopic studies of jet-cooled AgAu and Au <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 5646-5659	3.9	159
145	Surface reactions of metal clusters I: The fast flow cluster reactor. <i>Review of Scientific Instruments</i> , <b>1985</b> , 56, 2123-2130	1.7	158
144	Ni <sub>2</sub> revisited: Reassignment of the ground electronic state. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 666-674	3.9	137
143	Resonant two-photon ionization spectroscopy of jet-cooled Pt <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1988</b> , 89, 5517-5523	3.9	137
142	Tests of effective pair potentials for water: Predicted ice structures. <i>Journal of Chemical Physics</i> , <b>1982</b> , 76, 650-660	3.9	125
141	The bond length and electronic structure of V <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1984</b> , 80, 593-600	3.9	114
140	Spectroscopic studies of the jet-cooled aluminum trimer. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 3524-3531	3.9	111
139	Spectroscopy and electronic structure of jet-cooled Al <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1990</b> , 93, 8420-8441	3.9	110
138	Photodissociation measurements of bond dissociation energies: Ti <sub>2</sub> , V <sub>2</sub> , Co <sub>2</sub> , and Co <sub>3</sub> . <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 4747-4755	3.9	105
137	Bond strengths of transition-metal dimers: titanium-vanadium (TiV), vanadium dimer, titanium-cobalt (TiCo), and vanadium-nickel (VNi). <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 2479-2486		99
136	Comparative cluster reaction studies of the vanadium, niobium, and tantalum series. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 6494-6501		89

135	Spectroscopy and electronic structure of jet-cooled GaAs. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 121-132	3.9	86
134	Bond strengths of transition metal diatomics: Zr <sub>2</sub> , YCo, YNi, ZrCo, ZrNi, NbCo, and NbNi. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 1398-1406		82
133	The $3\sigma_u \leftarrow X\ 3\sigma_g$ band system of jet-cooled Ti <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 7087-7092	3.9	82
132	Rotational distributions from photodissociations. I. Linear triatomic molecules. <i>Journal of Chemical Physics</i> , <b>1979</b> , 70, 3604-3619	3.9	76
131	Optical spectroscopy of jet-cooled FeC between 12 000 and 18 100 cm <sup>-1</sup> . <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 9772-9782	3.9	74
130	Rotationally resolved spectroscopy of Pt <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 1313-1317	3.9	74
129	Evidence of structural isomerism in small niobium clusters. <i>Journal of Chemical Physics</i> , <b>1988</b> , 88, 4095-4098	3.9	73
128	Spectroscopy of AlAr and AlKr from 31 000 cm <sup>-1</sup> to the ionization limit. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 1692-1710	3.9	69
127	The 846 nm $A\ 3\sigma_u \leftarrow X\ 3\sigma_g$ band system of jet-cooled V <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>1992</b> , 96, 2511-2516	3.9	69
126	Rotational distributions from photodissociation. II. Results for ICN+h $\nu$ +CN(X 2 $\Sigma^+$ ). <i>Journal of Chemical Physics</i> , <b>1979</b> , 70, 3620-3629	3.9	66
125	Dispersed fluorescence spectroscopy of jet-cooled AgAu and Pt <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 7543-7549	3.9	64
124	Spectroscopic studies of jet-cooled CuAg. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 5618-5629	3.9	60
123	Electronic structure of the 4d transition metal carbides: Dispersed fluorescence spectroscopy of MoC, RuC, and PdC. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 2938-2954	3.9	59
122	Rotational and angular distributions from photodissociations. III. Effects of dynamic axis switching in linear triatomic molecules. <i>Journal of Chemical Physics</i> , <b>1981</b> , 74, 4395-4417	3.9	59
121	Resonant two-photon ionization spectroscopy of jet-cooled Au <sub>3</sub> . <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 8779-8792	3.9	57
120	The ground state and excited d-hole states of CuAu. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 5630-5645	3.9	52
119	Optical spectroscopy of jet-cooled MoO. <i>Journal of Molecular Spectroscopy</i> , <b>1991</b> , 146, 274-313	1.3	50
118	Spectroscopy and electronic structure of jet-cooled NiCu. <i>Journal of Chemical Physics</i> , <b>1989</b> , 90, 3417-3426	3.9	49

117	Resonant two-photon ionization spectroscopy of jet-cooled RuC. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 7863-7875	3.9	48
116	Ultraviolet photoelectron spectroscopy of molybdenum and molybdenum monoxide anions. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 1765-1773	3.9	45
115	The A <sup>2</sup> 1u <- X <sup>0</sup> +g System of Gold Dimer. <i>Journal of Molecular Spectroscopy</i> , <b>1994</b> , 168, 248-257	1.3	45
114	Ligand-field theory applied to diatomic transition metals. Results for the dA <sub>9</sub> dB <sub>9</sub> states of Ni <sub>2</sub> , the dNi <sub>9</sub> dCu <sub>10</sub> states of NiCu, and the dNi <sub>8</sub> (3F)dCu <sub>10</sub> excited states of NiCu. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 4641-4660	3.9	45
113	First spectroscopic investigation of the 4d transition metal monocarbide MoC. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 7851-7862	3.9	44
112	Resonant two-photon ionization spectroscopy of NiC. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 10703-10714	3.9	43
111	Rydberg and pulsed field ionization-zero electron kinetic energy spectra of YO. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 5017-5026	3.9	42
110	Spectroscopic studies of jet-cooled AlNi. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6409-6415	3.9	42
109	Optical spectroscopy of tungsten carbide (WC). <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 993-1002	3.9	41
108	Resonant two-photon ionization spectroscopy of jet-cooled NiPt. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 2698-2709	3.9	41
107	Rotational distributions in photodissociation: application to ICN. <i>Chemical Physics Letters</i> , <b>1976</b> , 44, 125-130	3.9	39
106	Spectroscopic analysis of the open 3d subshell transition metal aluminides: AlV, AlCr, and AlCo. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 6487-6499	3.9	38
105	Spectroscopy and electronic structure of jet-cooled NiPd and PdPt. <i>Journal of Chemical Physics</i> , <b>1990</b> , 92, 2710-2720	3.9	38
104	Supersonic Beam Sources. <i>Experimental Methods in the Physical Sciences</i> , <b>1996</b> , 21-47	0.4	36
103	Resonant two-photon ionization spectroscopy of jet-cooled PdC. <i>Journal of Chemical Physics</i> , <b>1999</b> , 111, 4077-4086	3.9	35
102	Spectroscopic studies of jet-cooled NiAu and PtCu. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 4605-4615	3.9	34
101	The bond energy of Co <sup>+2</sup> . <i>Chemical Physics Letters</i> , <b>1993</b> , 204, 235-240	2.5	34
100	New electronic band systems of jet-cooled carbon trimer: 266-302 nm. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 2313-2319		34

99	Laser vaporization generation of the SiB and SiAl radicals for matrix isolation electron spin resonance studies; comparison with theoretical calculations and assignment of their electronic ground states as X 4 $\Sigma$ . <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 6749-6757	3.9	33
98	Spectroscopic analysis of jet-cooled AlCu. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 6394-6408	3.9	33
97	Bond strengths of transition metal diatomics: VNi and V2. <i>International Journal of Mass Spectrometry and Ion Processes</i> , <b>1990</b> , 102, 183-197		33
96	Predissociation Measurements of Bond Dissociation Energies. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 119-126	24.3	33
95	Supersonic Metal Clusters. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , <b>1984</b> , 88, 228-233		32
94	A test of the accuracy of an effective pair potential for liquid water. <i>Journal of Chemical Physics</i> , <b>1981</b> , 74, 6514-6516	3.9	31
93	Resonant two-photon ionization spectroscopy of coinage metal trimers: Cu2Ag, Cu2Au, and CuAgAu. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 8765-8778	3.9	30
92	The 3dNi8(3F)3dCu10 $\Sigma$ manifold of excited electronic states of NiCu. <i>Journal of Chemical Physics</i> , <b>1992</b> , 97, 4633-4640	3.9	30
91	Laser excitation spectroscopy of the A and B states of jet-cooled copper dimer: Evidence for large electronic isotope shifts. <i>Journal of Chemical Physics</i> , <b>1989</b> , 91, 92-103	3.9	30
90	Copper trimer: a revised assignment of the upper state of the 5397 $\Sigma$ system. <i>Chemical Physics Letters</i> , <b>1987</b> , 133, 8-13	2.5	30
89	Rotational distributions in photodissociation: the bent triatomic molecule. <i>Chemical Physics Letters</i> , <b>1980</b> , 74, 49-55	2.5	29
88	Electron spin resonance investigation of Sc <sup>+2</sup> in neon matrices and assignment of its ground electronic state as X 4 $\Sigma$ Comparison with theoretical calculations. <i>Journal of Chemical Physics</i> , <b>1993</b> , 99, 7376-7383	3.9	28
87	Predissociation measurements of bond dissociation energies: VC, VN, and VS. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 234306	3.9	28
86	Bond Dissociation Energies of Tungsten Molecules: WC, WSi, WS, WSe, and WCl. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 9446-9457	2.8	27
85	Photodissociation measurements of bond dissociation energies: D0(Al2-Al), D0(TiO+-Mn), and D0(V2+-V). <i>International Journal of Mass Spectrometry</i> , <b>2001</b> , 204, 143-157	1.9	27
84	The bond energy of Rh2. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 2331-2335	3.9	26
83	A test of an effective pair potential for liquid water. <i>Journal of Chemical Physics</i> , <b>1983</b> , 79, 2496-2498	3.9	26
82	Bond dissociation energies of TiSi, ZrSi, HfSi, VSi, NbSi, and TaSi. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 084301	3.9	25

81	Resonant two-photon ionization spectroscopy of jet-cooled UN: determination of the ground state. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 184303	3.9	24
80	Resonant two-photon ionization spectroscopy of jet-cooled PtSi. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 4118-4123	3.9	24
79	Rotationally Resolved Spectra of Isovalent NbCr and VCr. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 3521-3527	2.8	24
78	Intramolecular vibrational relaxation: Effects on electronic nonradiative relaxation rates. <i>Journal of Chemical Physics</i> , <b>1983</b> , 78, 3435-3444	3.9	24
77	State-to-state photochemical reaction dynamics in polyatomic molecules. <i>Faraday Discussions of the Chemical Society</i> , <b>1979</b> , 67, 297		24
76	Resonant two-photon ionization spectroscopy of jet-cooled OsN: 520-418 nm. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 114304	3.9	23
75	Optical spectroscopy of jet-cooled NiSi. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 2190-2196	3.9	23
74	The $a^3\Pi_1(u) \leftarrow X^1\Pi(g)$ band systems of CuAu and Au <sub>2</sub> . <i>Chemical Physics Letters</i> , <b>1990</b> , 171, 430-432	2.5	23
73	Bond dissociation energies of TiC, ZrC, HfC, ThC, NbC, and TaC. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 044306	3.9	22
72	Determination of the bond dissociation energies of FeX and NiX (X = C, S, Se). <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 144310	3.9	20
71	An interpretation of the absorption and emission spectra of the gold dimer using modern theoretical tools. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8732-41	3.6	20
70	Electronic spectroscopy of diatomic VC. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13284-91	2.8	20
69	Two-photon ionization spectroscopy and all-electron ab initio study of LiCa. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 6655-6665	3.9	20
68	The $A^1\Pi \leftarrow X^1\Pi$ band system of CrMo. <i>Chemical Physics Letters</i> , <b>1991</b> , 179, 411-416	2.5	20
67	Optical spectroscopy of RuC: 18,000-24,000 cm <sup>-1</sup> . <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 6855-60	3.9	19
66	Vibronic spectroscopy of unsaturated transition metal complexes: CrC <sub>2</sub> H, CrCH <sub>3</sub> , and NiCH <sub>3</sub> . <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 12379-85	3.9	19
65	Bond dissociation energies of diatomic transition metal selenides: TiSe, ZrSe, HfSe, VSe, NbSe, and TaSe. <i>Journal of Chemical Physics</i> , <b>2016</b> , 145, 214308	3.9	19
64	Electronic spectroscopy and electronic structure of copper acetylide, CuCCH. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 9860-70	2.8	18

63	Comparison of semiclassical treatments for evaluating Franck-Condon transition amplitudes for molecular dissociation. <i>Journal of Chemical Physics</i> , <b>1978</b> , 68, 2702	3.9	18
62	Bond energies of transition metal dimers: TiZr, TiNb, and ZrV. <i>Chemical Physics Letters</i> , <b>1995</b> , 239, 25-30	2.5	17
61	Bond dissociation energies of FeB, CoB, NiB, RuB, RhB, OsB, IrB, and PtB. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 044302	3.9	16
60	Bond dissociation energies of FeSi, RuSi, OsSi, CoSi, RhSi, IrSi, NiSi, and PtSi. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 174307	3.9	15
59	Electronic spectroscopy and electronic structure of diatomic CrC. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 034303	3.9	14
58	Infrared diode laser spectroscopy of jet-cooled NiCO, Ni(CO) <sub>3</sub> (13CO), and Ni(CO) <sub>3</sub> (C 18O). <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 124316	3.9	14
57	Interaction of an aluminum atom with a closed subshell metal atom: Spectroscopic analysis of AlZn. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 5454-5463	3.9	14
56	Fragment angular distributions from photodissociation of polyatomic molecules. <i>Chemical Physics Letters</i> , <b>1979</b> , 67, 294-298	2.5	14
55	Resonant two-photon ionization spectroscopy of jet-cooled tantalum carbide, TaC. <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 054309	3.9	13
54	Resonant two-photon ionization spectroscopy of the 13-electron triatomic Si <sub>2</sub> N. <i>Chemical Physics Letters</i> , <b>1997</b> , 267, 370-376	2.5	13
53	Rotationally resolved spectra of jet-cooled RuSi. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 084317	3.9	13
52	Predissociation lifetimes of vibrational levels of the excited 1B <sub>1</sub> (K <sub>a</sub> 0) electronic states of Cd <sup>+</sup> H <sub>2</sub> and Cd <sup>+</sup> D <sub>2</sub> complexes. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 2115-2122	3.9	13
51	Spectroscopy of jet-cooled AlMn and trends in the electronic structure of the 3d transition metal aluminides. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 6500-6511	3.9	13
50	Interaction of an aluminum atom with an alkaline earth atom: Spectroscopic and ab initio investigations of AlCa. <i>Journal of Chemical Physics</i> , <b>1994</b> , 101, 5441-5453	3.9	13
49	Electronic spectroscopy of the 6p . <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 3103-13	2.8	12
48	Resonant two-photon ionization spectroscopy of BNB. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 194315	3.9	12
47	Dispersed fluorescence spectroscopy of AlNi, NiAu, and PtCu. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 9247-9256	3.9	12
46	Spectroscopy of mixed early/late transition metal diatomics: ScNi, YPd, and ZrCo. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 1895-1904	3.9	12



45	Resonant two-photon ionization spectroscopy of LiCu. <i>Journal of Chemical Physics</i> , <b>1997</b> , 107, 1079-1085.	3.9	11
44	Resonant two-photon ionization spectroscopy of jet-cooled OsC. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 084314	3.9	11
43	Radiative Lifetime of the $v = 0, 1$ Levels of the $\text{documentclass}\{aastex\}$ $\text{usepackage}\{amsbsy\}$ $\text{usepackage}\{amsfonts\}$ $\text{usepackage}\{amssymb\}$ $\text{usepackage}\{bm\}$ $\text{usepackage}\{mathrsfs\}$ $\text{usepackage}\{pifont\}$ $\text{usepackage}\{stmaryrd\}$ $\text{usepackage}\{textcomp\}$ $\text{usepackage}\{portland,xspace\}$ $\text{usepackage}\{amsmath,amsxtra\}$ $\text{usepackage}\{OT2,OT1\}\{\fontenc\}$ $\text{newcommand}\{cyr\}$ $\text{DeclareTextFontCommand}\{\text{textcyr}\}\{\cyr\}$ $\text{pagesty}$ . <i>Astrophysical Journal</i> , <b>2005</b> , 619, 407-411	4.7	11
42	Bond dissociation energies of transition metal oxides: CrO, MoO, RuO, and RhO. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 074303	3.9	11
41	Bond dissociation energies of the diatomic late transition metal sulfides: RuS, OsS, CoS, RhS, IrS, and PtS. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 244305	3.9	10
40	Bond dissociation energies of ScSi, YSi, LaSi, ScC, YC, LaC, CoC, and YCH. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 024302	3.9	10
39	Laser vaporization generation of Y 10B+, Y 11B+, and YAl+ for electron spin resonance studies in neon matrices at 4 K: Comparison with theoretical calculations. <i>Journal of Chemical Physics</i> , <b>1993</b> , 98, 4404-4412	3.9	10
38	Spectroscopy of jet-cooled Ag <sub>2</sub> Au. <i>Chemical Physics Letters</i> , <b>1993</b> , 212, 458-462	2.5	10
37	Photodissociation: isotope effects and comparisons between theory and experiment. <i>Chemical Physics Letters</i> , <b>1977</b> , 49, 399-404	2.5	10
36	Rotational analysis of the $\Sigma$ band of the $\text{X}^{\infty} \leftarrow \text{X}^{\infty}$ system of CrCCH. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 064304	3.9	9
35	Electronic spectroscopy and electronic structure of diatomic TiFe. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 054302	3.9	9
34	Electronic spectroscopy and electronic structure of diatomic IrSi. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 154306	3.9	9
33	ZrFe, a sextuply-bonded diatomic transition metal?. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 992-1000.	2.8	9
32	A pair potentials study of matrix-isolated atomic zinc. II. Intersystem crossing in rare-gas clusters and matrices. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 3137-3144	3.9	9
31	The infrared spectra of surface metal atom vibrations. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , <b>1986</b> , 209, 387-390		9
30	Bond dissociation energies of diatomic transition metal sulfides: ScS, YS, TiS, ZrS, HfS, NbS, and TaS. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 194307	3.9	9
29	The electronic band system of nickel acetylide, NiCCH. <i>Molecular Physics</i> , <b>2015</b> , 113, 2255-2266	1.7	8
28	The bond length and bond energy of gaseous CrW. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 214306	3.9	8



27	Bond dissociation energies of lanthanide sulfides and selenides. <i>Journal of Chemical Physics</i> , <b>2021</b> , 154, 124307	3.9	8
26	Bond dissociation energies of diatomic transition metal selenides: ScSe, YSe, RuSe, OsSe, CoSe, RhSe, IrSe, and PtSe. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 124305	3.9	7
25	Resonant two-photon ionization spectroscopy of jet-cooled OsSi. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 104303	3.9	7
24	1 Pi. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 074304	3.9	7
23	Vibronic analysis of the band system of BNB. <i>Molecular Physics</i> , <b>2007</b> , 105, 1251-1261	1.7	7
22	Spectroscopy of jet-cooled YCu. <i>Journal of Chemical Physics</i> , <b>1995</b> , 102, 8704-8713	3.9	7
21	The bond dissociation energy of VO measured by resonant three-photon ionization spectroscopy. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 024303	3.9	7
20	Spectroscopy of jet-cooled Bi3. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 16182-92	3.4	6
19	Rotationally resolved spectroscopy of jet-cooled NbMo. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 164305	3.9	6
18	Structural test for intermolecular force models of crystalline HC1. <i>Molecular Physics</i> , <b>1981</b> , 43, 1451-1457	1.7	6
17	Spectroscopy of diatomic ZrF and ZrCl: 760-555 nm. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 024308	3.9	5
16	Resonant two-photon ionization spectroscopy of jet-cooled PdSi. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 134308	3.9	5
15	DETECTION OF NONPOLAR IONS IN $2B/2$ STATES BY RADIOASTRONOMY VIA MAGNETIC DIPOLE TRANSITIONS. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 103	4.7	4
14	Rotationally resolved spectra of jet-cooled VMo. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 014311	3.9	4
13	Monoligated monovalent Ni: the $3d(Ni)9$ manifold of states of NiCu and comparison to the $3d9$ States of AlNi, NiH, NiCl, and NiF. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 11358-64	2.8	4
12	The $[17.0]2\pi/2 \leftarrow X2\pi/2$ system of AlCa. <i>Chemical Physics Letters</i> , <b>2000</b> , 320, 303-306	2.5	4
11	Spectroscopy of jet-cooled AlY. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 2589-2593		4
10	Electron-spin resonance studies of the titanium cation ( $Ti^+, 3d^3, 4F$ ) in rare gas matrices at 4 K: A crystal field interpretation. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 5331-5340	3.9	4

9	Photofragmentation processes in metal-ligand complexes: benzene ligands and bis-benzene ligands. <i>Chemical Physics Letters</i> , <b>1985</b> , 122, 289-293	2.5	4
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7	Hyperfine interactions and electric dipole moments in the [16.0]1.5(v = 6), [16.0]3.5(v = 7), and X2(5/2) states of iridium monosilicide, IrSi. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13292-302	2.8	3
6	Spin-forbidden $c\ 3\Sigma^+_{g1}$ . <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 144309	3.9	3
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3	Electronic spectroscopy and electronic structure of the smallest metal clusters: the diatomic 3D transition metal aluminides <b>1994</b> ,		1
2	Molybdenum-Sulfur Bond: Electronic Structure of Low-Lying States of MoS.. <i>Journal of Physical Chemistry A</i> , <b>2022</b> ,	2.8	1
1	Predissociation measurements of the bond dissociation energies of EuO, TmO, and YbO. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 144303	3.9	1