

Michael C Heaven

List of Publications by Year in descending order

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323
papers

6,259
citations

61857

43
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128067

60
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333
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333
docs citations

333
times ranked

2180
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-Phase Reactivity of Ozone with Lanthanide Ions (Sm ⁺ , Nd ⁺) and Their Higher Oxides. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, , .	1.2	3
2	Spectroscopy and electronic structure of the low-energy states of ThN. <i>Journal of Molecular Spectroscopy</i> , 2021, 377, 111426.	0.4	1
3	Electronic Spectroscopy and Photoionization of LiMg. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3653-3663.	1.1	9
4	Electronic Spectroscopy and Photoionization of LiBe. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8274-8281.	1.1	5
5	The electronic structure of the actinide oxides and their singly and doubly charged cations: A ligand field approach. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26588.	1.0	3
6	Increase of the barium ion-trap lifetime via photodissociation. <i>Physical Review A</i> , 2021, 104, .	1.0	1
7	Characterization of the Ground States of BeC ₂ and BeC ₂ ⁺ via Photoelectron Velocity Map Imaging Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 88-92.	2.1	1
8	Spectroscopy and electronic structure of the hypermetallic oxide, MgOMg. <i>Journal of Chemical Physics</i> , 2020, 153, 054308.	1.2	1
9	Perturbations of the $\Sigma^2 1\hat{1}$ and $C1\hat{1}^+$ states of CaO. <i>Journal of Molecular Spectroscopy</i> , 2020, 370, 111293.	0.4	6
10	Spectroscopic and theoretical studies of UN and UN ⁺ . <i>Journal of Chemical Physics</i> , 2020, 152, 094302.	1.2	11
11	Dipole-phonon quantum logic with alkaline-earth monoxide and monosulfide cations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 24964-24973.	1.3	6
12	Investigation of dual-wavelength pump schemes for optically pumped rare gas lasers. <i>Optics Express</i> , 2020, 28, 14580.	1.7	10
13	Calculation of Potential Energy Curves for Ar ⁺ He Collision Complex. <i>Bulletin of the Lebedev Physics Institute</i> , 2020, 47, 300-302.	0.1	0
14	An Investigation of Dual-pump Schemes for Optically pumped Rare Gas Lasers. , 2020, , .		0
15	Improved vibrational constants for BaCl ⁺ X1 $\hat{1}^+$. <i>Journal of Molecular Spectroscopy</i> , 2019, 363, 111176.	0.4	1
16	The electronic structure of thorium monoxide: Ligand field assignment of states in the range 0-5 eV. <i>Journal of Computational Chemistry</i> , 2019, 40, 430-446.	1.5	8
17	Laser induced fluorescence spectroscopy of jet-cooled ThO. <i>Journal of Molecular Spectroscopy</i> , 2019, 360, 39-43.	0.4	3
18	Characterization of gas-phase thorium nitride. <i>Journal of Chemical Physics</i> , 2019, 150, 144304.	1.2	5

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19	Low energy states of NdO ⁺ probed by photoelectron spectroscopy. Journal of Chemical Physics, 2019, 150, 114302.	1.2	8
20	O ₂ (b ¹ g ⁺) removal by I ₂ and NO at temperatures of 297–750 K. Chemical Physics Letters, 2019, 735, 1367742	1.2	0
21	Computational investigation of energy transfer and line broadening for Ar* + He collisions. Journal of Chemical Physics, 2019, 151, 224306.	1.2	6
22	Product channels of the reactions of O ₂ (b ¹ g ⁺). Chemical Physics, 2019, 521, 85-91.	0.9	4
23	Lasing in optically pumped Ar:He mixture excited in a dielectric barrier discharge. , 2019, , .		4
24	Time-dependent simulations of a CW pumped, pulsed DC discharge Ar metastable laser system. Optics Express, 2019, 27, 22289.	1.7	18
25	Demonstration of a quasi-CW diode-pumped metastable xenon laser. Optics Express, 2019, 27, 36011.	1.7	20
26	Transversely optically pumped Ar:He laser with a pulsed-periodic discharge. Optics Express, 2019, 27, 38759.	1.7	19
27	Optically pumped rare gas lasers. , 2019, , .		0
28	Dative Bonding between Closed-Shell Atoms: The BeF ⁻ Anion. Journal of Physical Chemistry Letters, 2018, 9, 1999-2002.	2.1	13
29	Collisional relaxation of O ₂ (a ¹ g ⁺ , ĩ ⁻ =1, 2, 3) by CO ₂ . Chemical Physics Letters, 2018, 691, 456-461.	1.2	7
30	Spectroscopy of the low-lying states of CaO ⁺ . Journal of Molecular Spectroscopy, 2018, 344, 17-20.	0.4	3
31	Kinetic analysis of rare gas metastable production and optically pumped Xe lasers. Journal Physics D: Applied Physics, 2018, 51, 045201.	1.3	17
32	Ozone recovery in the presence of CO and N ₂ O. MATEC Web of Conferences, 2018, 209, 00016.	0.1	0
33	Potential Energy Curves for Excited States of Ar in He and Transition Rate Constants in ArHe Calculated By Ab Initio Methods. , 2018, , .		0
34	Ab initio interatomic potentials and transport properties of alkali metal (M = Rb and Cs)–rare gas (Rg) Tj ETQq0 0,0 rgBT /Overlock 10	1.3	15
35	O ₂ (b ¹ g ⁺) Removal by H ₂ , CO, N ₂ O, CH ₄ , and C ₂ H ₄ in the 300–800 K Temperature Range. Journal of Physical Chemistry A, 2018, 122, 5283-5288.	1.1	5
36	O ₂ (a ¹ g ⁺) vibrational kinetics in oxygen-iodine laser. , 2018, , .		1

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37	Production of Ar metastables in a dielectric barrier discharge. Proceedings of SPIE, 2017, , .	0.8	6
38	Pressure broadening coefficients for the 811.5 nm Ar line and 811.3 nm Kr line in rare gases. Proceedings of SPIE, 2017, , .	0.8	1
39	V-T relaxation of vibrationally excited singlet oxygen molecule in the EOIL systems. Proceedings of SPIE, 2017, , .	0.8	0
40	Spectroscopic and theoretical studies of ThCl and ThCl ⁺ . Journal of Chemical Physics, 2017, 146, 054307.	1.2	10
41	Photodetachment spectroscopy of the beryllium oxide anion, BeO ⁻ . Journal of Chemical Physics, 2017, 146, 054301.	1.2	12
42	Production of Ar and Xe metastables in rare gas mixtures in a dielectric barrier discharge. Journal Physics D: Applied Physics, 2017, 50, 485203.	1.3	26
43	O ₂ (b ¹ g ⁺) Quenching by O ₂ , CO ₂ , H ₂ O, and N ₂ at Temperatures of 300–800 K. Journal of Physical Chemistry A, 2017, 121, 7343-7348.	1.1	12
44	Photoelectron Velocity Map Imaging Spectroscopy of the Beryllium Sulfide Anion, BeS ⁻ . Journal of Physical Chemistry A, 2017, 121, 5645-5650.	1.1	8
45	Demonstration of a CW diode-pumped Ar metastable laser operating at 4â€‰W. Optics Letters, 2017, 42, 4627.	1.7	46
46	Product channels of the reactions of Rb(62P) with H ₂ , CH ₄ and C ₂ H ₆ . Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 196, 46-52.	1.1	2
47	Pulsed discharge production Ar* metastables. Proceedings of SPIE, 2016, , .	0.8	3
48	Pressure broadening of Ar (811.5 nm) by neon. , 2016, , .		0
49	Theoretical investigation of RbXe and CsXe excimers including the spin-orbit interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 205101.	0.6	6
50	Vibrational kinetics of molecular singlet oxygen. , 2016, , .		0
51	Deactivation and reaction of excited states of Rb in collisions with H ₂ , CH ₄ and C ₂ H ₆ . , 2016, , .		1
52	Oxygen assisted iodine atoms production in an RF discharge. , 2016, , .		0
53	Near UV bands of jet-cooled CaO. Journal of Molecular Spectroscopy, 2016, 322, 18-21.	0.4	5
54	Optical pumping of the oxygen-iodine laser medium. Proceedings of SPIE, 2016, , .	0.8	0

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55	Removal of Rb(6 ² P) by H ₂ , CH ₄ , and C ₂ H ₆ . Optics Letters, 2016, 41, 669.	1.7	11
56	Incomplete ozone recovery effect in the presence of active oxygen species. Bulletin of the Lebedev Physics Institute, 2016, 43, 20-25.	0.1	4
57	Measurement of pressure broadening of the Kr absorption line at 811.3 nm with a diode laser. Proceedings of SPIE, 2016, , .	0.8	0
58	Theoretical study of vibronic perturbations in magnesium carbide. Molecular Physics, 2016, 114, 162-171.	0.8	2
59	Autodetachment spectroscopy of the aluminum oxide anion dipole bound state. Journal of Chemical Physics, 2015, 143, 114311.	1.2	20
60	Kinetics of Active Oxygen Species with Implications for Atmospheric Ozone Chemistry. International Journal of Chemical Kinetics, 2015, 47, 93-103.	1.0	15
61	Optically pumped microplasma rare gas laser. Optics Express, 2015, 23, 4804.	1.7	76
62	Gas Flow Visualization Using Laser-induced Fluorescence. Procedia Engineering, 2015, 106, 92-96.	1.2	1
63	Molecular singlet delta oxygen quenching kinetics in the EOIL system. Proceedings of SPIE, 2015, , .	0.8	1
64	Kinetics of oxygen species in an electrically driven singlet oxygen generator. Chemical Physics, 2015, 463, 65-69.	0.9	13
65	Kinetics of optically pumped Kr metastables. Optics Letters, 2015, 40, 1310.	1.7	18
66	Evaluation of the exothermicity of the chemi-ionization reaction $\text{Sm} + \text{O} \hat{\rightarrow} \text{SmO}^+ + \text{e}^-$. Journal of Chemical Physics, 2015, 142, 134307.	1.2	44
67	The pure rotational spectrum of thorium monosulfide, ThS. Chemical Physics Letters, 2015, 639, 304-306.	1.2	6
68	Spectroscopic and theoretical studies of the low-lying states of BaO ⁺ . Journal of Chemical Physics, 2015, 143, 044302.	1.2	7
69	Characterization of the BaCl ⁺ (X1 Σ^+) cation by photoelectron spectroscopy. Journal of Molecular Spectroscopy, 2015, 316, 119-121.	0.4	3
70	Mechanism of singlet oxygen deactivation in an electric discharge oxygen $\hat{\leftarrow}$ iodine laser. Quantum Electronics, 2014, 44, 1083-1084.	0.3	2
71	Kinetics of optically pumped Ar metastables. Optics Letters, 2014, 39, 6541.	1.7	39
72	Spectroscopy and Structure of the Simplest Actinide Bonds. Journal of Physical Chemistry A, 2014, 118, 10867-10881.	1.1	45

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73	Kinetics of an optically pumped metastable Ar laser. Proceedings of SPIE, 2014, , .	0.8	13
74	Direct-potential-fit analyses yield improved empirical potentials for the ground $X^1\Sigma_g^+$ state of Be ₂ . Journal of Chemical Physics, 2014, 140, 064315.	1.2	44
75	The permanent electric dipole moment of thorium sulfide, ThS. Journal of Chemical Physics, 2014, 140, 024307.	1.2	11
76	Two-photon excitation of the $2\hat{1}(4p)\hat{\leftarrow}X2\hat{1}(3p)$ transition of AlAr. Journal of Molecular Spectroscopy, 2014, 297, 1-3.	0.4	0
77	Structure in the Visible Absorption Bands of Jet-Cooled Phenylperoxy Radicals. Journal of Physical Chemistry A, 2013, 117, 7484-7491.	1.1	5
78	Static diode pumped alkali lasers: Model calculations of the effects of heating, ionization, high electronic excitation and chemical reactions. Optics Communications, 2013, 292, 123-125.	1.0	42
79	Turn the Molecule This Way for a Faster Reaction. Science, 2013, 342, 46-47.	6.0	1
80	A pared-down gas-phase kinetics for the chemical oxygen-iodine laser medium. Chemical Physics, 2013, 425, 80-90.	0.9	7
81	Spectroscopic and Theoretical Investigations of ThS and ThS ⁺ . Journal of Physical Chemistry A, 2013, 117, 12042-12048.	1.1	10
82	Preface to the Terry A. Miller Festschrift. Journal of Physical Chemistry A, 2013, 117, 13207-13208.	1.1	0
83	Experimental and Theoretical Characterization of the $2^2\hat{\leftarrow}1^2\hat{\leftarrow}2^2$ Transition of BeOH/D. Journal of Physical Chemistry A, 2013, 117, 13654-13663.	1.1	8
84	Spectroscopic and Theoretical Investigations of UF and UF ⁺ . Journal of Physical Chemistry A, 2013, 117, 9684-9694.	1.1	25
85	Demonstration of a diode-pumped metastable Ar laser. Optics Letters, 2013, 38, 5458.	1.7	62
86	Collisional relaxation of the Kr($4p^5$) states in He, Ne, and Kr. , 2012, , .		3
87	Experimental and theoretical studies of the electronic transitions of BeC. Journal of Chemical Physics, 2012, 137, 214313.	1.2	13
88	Gain and lasing of optically pumped metastable rare gas atoms. Optics Letters, 2012, 37, 2157.	1.7	103
89	Potential energy surfaces for the interactions of excited Rb and Cs atoms with methane. , 2012, , .		2
90	Electronic Structure and Spectra of the RbAr van der Waals System Including Spin-Orbit Interaction. Journal of Physical Chemistry A, 2012, 116, 10589-10596.	1.1	11

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91	Spectroscopic investigations of ThF and ThF+. Journal of Chemical Physics, 2012, 136, 104305.	1.2	36
92	Low-lying states of HfS+ and the ionization energy of HfS. Journal of Molecular Spectroscopy, 2012, 275, 35-40.	0.4	7
93	Energy Transfer Kinetics of the $n+1$ Excited States of Ne and Kr. Journal of Physical Chemistry A, 2011, 115, 9724-9730.	1.1	13
94	Communication: The permanent electric dipole moment of thorium monoxide, ThO. Journal of Chemical Physics, 2011, 134, 031102.	1.2	22
95	Bonding in Beryllium Clusters. Annual Review of Physical Chemistry, 2011, 62, 375-393.	4.8	56
96	Electronic Absorption Spectra of the RbAr Van der Waals Complex. AIP Conference Proceedings, 2011, , .	0.3	2
97	A simplified kinetic model for the COIL active medium. Proceedings of SPIE, 2011, , .	0.8	3
98	Energy transfer kinetics of the $n+1$ excited states of Ne and Kr. Proceedings of SPIE, 2011, , .	0.8	0
99	Electronic transitions of Rb ₂ above 25000 cm ⁻¹ . Journal of Molecular Spectroscopy, 2011, 268, 37-41.	0.4	8
100	High-fidelity modelling of an exciplex pumped alkali laser with radiative transport. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 135402.	0.6	15
101	Reactions of positive ions with C ₂ N ₂ at 300K. International Journal of Mass Spectrometry, 2011, 303, 220-224.	0.7	0
102	I ₂ dissociation by O ₂ (Δ) generated from the reaction O(1D)+N ₂ O. Chemical Physics Letters, 2011, 502, 150-153.	1.2	4
103	The unique bonding characteristics of beryllium and the Group IIA metals. Chemical Physics Letters, 2011, 506, 1-14.	1.2	68
104	Cavity ring-down spectroscopy of the phenyl radical in a pulsed discharge supersonic jet expansion. Chemical Physics Letters, 2011, 507, 216-220.	1.2	12
105	Communication: Spectroscopic measurements for HfF+ of relevance to the investigation of fundamental constants. Journal of Chemical Physics, 2011, 134, 201102.	1.2	17
106	Rotational and vibrational energy transfer in vibrationally excited acetylene at energies near 6560 cm ⁻¹ . Journal of Chemical Physics, 2011, 135, 244304.	1.2	12
107	New electronic transitions of the rubidium dimer. Proceedings of SPIE, 2011, , .	0.8	0
108	XPAL modeling and theory. Proceedings of SPIE, 2011, , .	0.8	9

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109	Pulsed-field ionization zero electron kinetic energy spectrum of the ground electronic state of BeOBe+. Journal of Chemical Physics, 2011, 134, 044306.	1.2	14
110	Iodine dissociation in the photochemistry of N ₂ /O ₂ mixtures. Proceedings of SPIE, 2010, , .	0.8	0
111	Theoretical Investigations of Alkali Metal-Rare Gas Photodissociation Lasers. , 2010, , .		0
112	Recent advances in the development of discharge-pumped oxygen-iodine lasers. Laser and Photonics Reviews, 2010, 4, 671-683.	4.4	27
113	On the O(² P) excited ozone. , 2010, , .		4
114	Electron attachment to chlorine azide at 298 and 400 K. Journal of Chemical Physics, 2010, 132, 134308.	1.2	4
115	Multi-dimensional modeling of the XPAL system. , 2010, , .		14
116	O ₂ (¹ P) quenching in O ₂ /O ₃ /CO ₂ /He/Ar mixtures. Proceedings of SPIE, 2010, , .	0.8	0
117	O ₂ (¹ P) Quenching In The O ₂ -O ₃ System. , 2010, , .		2
118	Reactions of Negative Ions with ClN ₃ at 300 K. Journal of Physical Chemistry A, 2010, 114, 6832-6836.	1.1	1
119	Experimental and Theoretical Investigations of Rotational Energy Transfer in HBr + He Collisions. Journal of Physical Chemistry A, 2010, 114, 11109-11116.	1.1	4
120	Spectroscopic characterization of Be ₂ +X ² Σ ⁺ and the ionization energy of Be ₂ . Journal of Chemical Physics, 2010, 133, 074309.	1.2	28
121	Molecular Spectroscopy and Reactions of Actinides in the Gas Phase and Cryogenic Matrices. , 2010, , 4079-4156.		10
122	Temperature dependence of the O+I(P _{21/2})→O+I(P _{23/2}) quenching rate constant. Journal of Applied Physics, 2009, 105, 094911.	1.1	9
123	Ionization energy measurements and spectroscopy of HfO and HfO+. Journal of Chemical Physics, 2009, 130, 144503.	1.2	15
124	Probing rotational relaxation in HBr (v=1) using double resonance spectroscopy. Journal of Chemical Physics, 2009, 130, 074305.	1.2	9
125	O ₂ (¹ P) quenching in the O/O ₂ /O ₃ system. Chemical Physics Letters, 2009, 482, 56-61.	1.2	31
126	Formation and quenching mechanisms of excited particles in an oxygen-iodine laser medium. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2009, 107, 363-367.	0.2	2

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127	Electronic Spectroscopy of UO_2Cl_2 Isolated in Solid Ar. Journal of Physical Chemistry A, 2009, 113, 12724-12728.	1.1	12
128	Spectroscopy, Structure, and Ionization Energy of BeOBe. Journal of Physical Chemistry A, 2009, 113, 13300-13309.	1.1	17
129	On the dissociation of I_2 by $\text{O}_2(a^1\Delta_g)$: Pathways involving the excited species $\text{I}_2(A^2\Sigma_u, A^2\Sigma_g)$, $\text{I}_2(X^1\Sigma_g^+)$, and $\text{O}_2(a^1\Delta_g)$. Journal of Chemical Physics, 2009, 130, 104306.	1.2	26
130	Theoretical investigations of alkali metal: rare gas interaction potentials. Proceedings of SPIE, 2009, , .	0.8	13
131	On the Ionization Energy of HfO. Journal of Physical Chemistry A, 2009, 113, 12353-12355.	1.1	6
132	Beryllium Dimer "Caught in the Act of Bonding. Science, 2009, 324, 1548-1551.	6.0	203
133	Experimental and theoretical studies of the CN^+Ar van der Waals complex. Journal of Chemical Physics, 2008, 128, 104308.	1.2	16
134	Spectroscopy, dissociation dynamics, and potential energy surfaces for $\text{CN}(A^2\Sigma^+)\text{Ar}$. Journal of Chemical Physics, 2008, 128, 224309.	1.2	6
135	The ionization energy of Be_2 , and spectroscopic characterization of the $(1)3^1\Sigma_u^+$, $(2)3^1\Sigma_g^+$, and $(3)3^1\Sigma_g^+$ states. Physical Chemistry Chemical Physics, 2008, 10, 4006.	1.3	38
136	Experimental and theoretical study of the electronic spectrum of BeAl. Physical Chemistry Chemical Physics, 2008, 10, 5403.	1.3	14
137	A method for comparison of computational fluid dynamic simulation and planar laser induced fluorescence images for a supersonic flowfield. Proceedings of SPIE, 2008, , .	0.8	0
138	Spectroscopy of the UO_2^+ cation and the delayed ionization of UO_2 . Journal of Chemical Physics, 2008, 128, 084304.	1.2	31
139	Collisional quenching and radiation trapping kinetics for $\text{Rb}(5p)$ in the presence of ethane. , 2008, , .		4
140	Advanced kinetic package for COIL. Proceedings of SPIE, 2008, , .	0.8	0
141	Multi-pathway I_2 dissociation model for COIL. Proceedings of SPIE, 2008, , .	0.8	6
142	Ab initio investigation of the $\text{NH}(X^2\Sigma^+)\text{N}_2$ van der Waals complex. Journal of Chemical Physics, 2007, 126, 154311.	1.2	4
143	Formation of $\text{I}_2(B^3\Pi_0)$ in the presence of $\text{O}_2(a^1\Delta_g)$. Journal of Applied Physics, 2007, 102, 123108.	1.1	7
144	Observation of fast $\text{O}_2(a^1\Delta_g)$ quenching in the $\text{O}/\text{O}_2/\text{O}_3$ system. , 2007, , .		3

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145	A Model for the Prediction of I2 Fluorescence in the Presence of Pulsed Laser Radiation utilizing Computational Fluid Dynamic Simulation Datasets. , 2007, , .		2
146	Kinetics of O2(a1 $\hat{\nu}$ g) and I(2P1/2) in the Photochemistry of N2O/I2 Mixtures. Journal of Physical Chemistry A, 2007, 111, 6592-6599.	1.1	18
147	Quenching of I(2P1/2) by NO2, N2O4, and N2O. Journal of Physical Chemistry A, 2007, 111, 10062-10067.	1.1	4
148	Quenching of I(2P1/2) by O3 and O(3P). Journal of Physical Chemistry A, 2007, 111, 3010-3015.	1.1	16
149	Biography of Ming-Chang Lin. Journal of Physical Chemistry A, 2007, 111, 6569-6571.	1.1	0
150	I2 (B) formation in the oxygen-iodine laser medium. , 2007, , .		0
151	Probing actinide electronic structure using fluorescence and multi-photon ionization spectroscopy. Physical Chemistry Chemical Physics, 2006, 8, 4497.	1.3	57
152	Quenching of I(2P 1/2) by O 3 and O(3P). , 2006, , .		13
153	Important kinetic effects in the hybrid ElectricOIL system. , 2006, 6261, 428.		13
154	Probing the electronic structure of UO+ with high-resolution photoelectron spectroscopy. Journal of Chemical Physics, 2006, 125, 133202.	1.2	54
155	Spectroscopic characterization of the C2 $\hat{\nu}$ Ne van der Waals complex. Journal of Chemical Physics, 2006, 124, 054314.	1.2	15
156	Spectroscopy of the ground and low-lying excited states of ThO+. Journal of Chemical Physics, 2006, 124, 064312.	1.2	70
157	The permanent electric dipole moments and magnetic g factors of uranium monoxide. Journal of Chemical Physics, 2006, 125, 204314.	1.2	28
158	Chemical kinetics of discharge-driven oxygen-iodine lasers. , 2006, 6346, 156.		1
159	Universal scaling features of spectroscopic constants for diatomic systems. Journal of Chemical Physics, 2006, 125, 106101.	1.2	4
160	Role of O2(b) and I2 (A',A) in Chemical Oxygen-Iodine Laser Dissociation Process. AIAA Journal, 2006, 44, 1593-1600.	1.5	25
161	Probing actinide electronic structure using fluorescence and multiphoton ionization spectroscopy. , 2006, , 140-154.		0
162	Kinetic studies for advanced iodine laser concepts. , 2005, , .		2

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163	Spectroscopy and dynamics of hydride radical van der Waals complexes. International Reviews in Physical Chemistry, 2005, 24, 375-420.	0.9	38
164	Bound states and scattering resonances of OH(A) $\hat{\epsilon}$ He. Journal of Chemical Physics, 2005, 123, 064307.	1.2	13
165	Ionization energy measurements and electronic spectra for ThO. Journal of Chemical Physics, 2005, 122, 204311.	1.2	35
166	Spectroscopic and theoretical characterization of the A $\hat{\nu}$ 2-X $\hat{\nu}$ 2 transition of CH $\hat{\epsilon}$ Ne. Journal of Chemical Physics, 2005, 123, 054304.	1.2	2
167	Experimental and theoretical investigation of the A3 $\hat{\nu}$ X3 $\hat{\nu}$ transition of NH/D $\hat{\epsilon}$ Ne. Physical Chemistry Chemical Physics, 2005, 7, 846-854.	1.3	8
168	The Electronic Spectrum of the UO2Molecule. Journal of the American Chemical Society, 2005, 127, 86-91.	6.6	104
169	Experimental detection and theoretical characterization of the H2 $\hat{\epsilon}$ NH(X) van der Waals complex. Journal of Chemical Physics, 2005, 122, 144318.	1.2	18
170	Investigation of the Role of Electronically Excited I2 in the COIL Dissociation Process. , 2005, , .		0
171	Kinetics of Singlet NCl Following the Photodissociation of NCl3. , 2005, , .		0
172	Bound state spectroscopy of NH $\hat{\epsilon}$ He. Journal of Chemical Physics, 2004, 121, 7549.	1.2	10
173	State-to-state rotational rate constants for CO+He: Infrared double resonance measurements and simulation of the data using the SAPT theoretical potential energy surface. Journal of Chemical Physics, 2004, 120, 2285-2295.	1.2	14
174	State-to-state rotational relaxation rate constants for CO+Ne from IR $\hat{\epsilon}$ IR double-resonance experiments: Comparing theory to experiment. Journal of Chemical Physics, 2004, 120, 7483-7489.	1.2	14
175	State-to-state rotational relaxation rate constants for the CO+X series (X=CO, He, and Ne) using IR-IR double resonance experiments: comparing theory to experiment. , 2004, 5448, 906.		0
176	Electronic Spectroscopy of UO2Isolated in a Solid Ar Matrix. Journal of the American Chemical Society, 2004, 126, 1812-1815.	6.6	40
177	Electronic spectroscopy and ionization potential of UO2 in the gas phase. Journal of Chemical Physics, 2004, 120, 5155-5163.	1.2	65
178	I* kinetics of relevance to discharge-driven COIL systems. , 2004, , .		10
179	Photodissociation of CIN 3 and quenching of NCl(a) at elevated temperatures. , 2004, , .		2
180	Re-examination of the role of O 2 (b) in the I 2 dissociation mechanism. , 2004, 5334, 53.		5

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181	Photodissociation dynamics of ClN ₃ at 203 nm: the NCl (I) product branching ratio. Chemical Physics Letters, 2003, 368, 568-573.	1.2	23
182	Concerning the stability of dichlorodiazene. Chemical Physics Letters, 2003, 370, 418-424.	1.2	3
183	Oriented dynamics in van der Waals complexes. Journal of Molecular Spectroscopy, 2003, 222, 31-45.	0.4	12
184	Accurate Ionization Potentials for UO and UO ₂ : A Rigorous Test of Relativistic Quantum Chemistry Calculations. Journal of the American Chemical Society, 2003, 125, 7176-7177.	6.6	50
185	Quenching of I(2P _{1/2}) by Cl ₂ and Cl Atoms over the Temperature Range 297-663 K. Journal of Physical Chemistry A, 2003, 107, 10527-10532.	1.1	7
186	State-to-State Rotational Translational Relaxation Rate Constants for CO-He: An Evaluation of the Theoretical Intermolecular Potential Surfaces Using Infrared-Infrared Double Resonance. , 2003, , .		0
187	Ion dissociation dynamics of the chlorine azide cation (ClN ₃ ⁺) investigated by velocity map imaging. Journal of Chemical Physics, 2003, 118, 10485-10493.	1.2	24
188	Experimental and theoretical investigation of the $\tilde{c}^{\infty} \tilde{1}^{\infty} \leftarrow \tilde{a}^{\infty} \tilde{1}^{\infty}$ transition of NH/D in Ne. Journal of Chemical Physics, 2003, 119, 8424-8436.	1.2	5
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