

# Michael C Heaven

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

289  
papers

5,409  
citations

41  
h-index

55  
g-index

333  
ext. papers

5,806  
ext. citations

3.7  
avg, IF

5.64  
L-index

#	Paper	IF	Citations
289	Spectroscopy and electronic structure of the low-energy states of ThN. <i>Journal of Molecular Spectroscopy</i> , <b>2021</b> , 377, 111426	1.3	1
288	Electronic Spectroscopy and Photoionization of LiMg. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 3653-3663	3.8	1
287	Electronic Spectroscopy and Photoionization of LiBe. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 8274-8288	3.8	0
286	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> , <b>2021</b> , 121, e26588	2.1	3
285	Spectroscopic and theoretical studies of UN and UN. <i>Journal of Chemical Physics</i> , <b>2020</b> , 152, 094302	3.9	5
284	Investigation of dual-wavelength pump schemes for optically pumped rare gas lasers. <i>Optics Express</i> , <b>2020</b> , 28, 14580-14589	3.3	2
283	Calculation of Potential Energy Curves for Ar*He Collision Complex. <i>Bulletin of the Lebedev Physics Institute</i> , <b>2020</b> , 47, 300-302	0.5	
282	Dipole-phonon quantum logic with alkaline-earth monoxide and monosulfide cations. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 24964-24973	3.6	2
281	Characterization of the Ground States of BeC and BeC via Photoelectron Velocity Map Imaging Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 88-92	6.4	0
280	Spectroscopy and electronic structure of the hypermetallic oxide, MgOMg. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 054308	3.9	
279	Perturbations of the A <sup>2</sup> Π and C <sup>1</sup> Σ states of CaO. <i>Journal of Molecular Spectroscopy</i> , <b>2020</b> , 370, 111293	1.3	3
278	Improved vibrational constants for BaCl+ X <sup>1</sup> Σ. <i>Journal of Molecular Spectroscopy</i> , <b>2019</b> , 363, 111176	1.3	1
277	The electronic structure of thorium monoxide: Ligand field assignment of states in the range 0-5 eV. <i>Journal of Computational Chemistry</i> , <b>2019</b> , 40, 430-446	3.5	7
276	Laser induced fluorescence spectroscopy of jet-cooled ThO. <i>Journal of Molecular Spectroscopy</i> , <b>2019</b> , 360, 39-43	1.3	1
275	Characterization of gas-phase thorium nitride. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 144304	3.9	2
274	Low energy states of NdO probed by photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , <b>2019</b> , 150, 114302	3.9	6
273	Lasing in optically pumped Ar:He mixture excited in a dielectric barrier discharge <b>2019</b> ,		1

272	Time-dependent simulations of a CW pumped, pulsed DC discharge Ar metastable laser system. <i>Optics Express</i> , <b>2019</b> , 27, 22289-22301	3.3	10
271	Demonstration of a quasi-CW diode-pumped metastable xenon laser. <i>Optics Express</i> , <b>2019</b> , 27, 36011-36021	3.3	9
270	Transversely optically pumped Ar:He laser with a pulsed-periodic discharge. <i>Optics Express</i> , <b>2019</b> , 27, 38759-38767	3.3	8
269	Product channels of the reactions of O <sub>2</sub> (b <sup>1</sup> g <sup>+</sup> ). <i>Chemical Physics</i> , <b>2019</b> , 521, 85-91	2.3	3
268	O <sub>2</sub> (b <sup>1</sup> g <sup>+</sup> ) removal by I <sub>2</sub> and NO at temperatures of 297-350 K. <i>Chemical Physics Letters</i> , <b>2019</b> , 735, 136774-5	2.3	3
267	Computational investigation of energy transfer and line broadening for Ar + He collisions. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 224306	3.9	3
266	Dative Bonding between Closed-Shell Atoms: The BeF Anion. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 1999-2002	6.4	8
265	Collisional relaxation of O <sub>2</sub> (a <sup>1</sup> g <sup>-</sup> ; 1, 2, 3) by CO <sub>2</sub> . <i>Chemical Physics Letters</i> , <b>2018</b> , 691, 456-461	2.5	5
264	Probing Actinide Bonds in the Gas Phase <b>2018</b> , 1-52		4
263	Spectroscopy of the low-lying states of CaO <sup>+</sup> . <i>Journal of Molecular Spectroscopy</i> , <b>2018</b> , 344, 17-20	1.3	3
262	O <sub>2</sub> (a <sup>1</sup> g <sup>-</sup> ) vibrational kinetics in oxygen-iodine laser <b>2018</b> ,		1
261	Kinetic analysis of rare gas metastable production and optically pumped Xe lasers. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 045201	3	9
260	Ozone recovery in the presence of CO and N <sub>2</sub> O. <i>MATEC Web of Conferences</i> , <b>2018</b> , 209, 00016	0.3	
259	Ab initio interatomic potentials and transport properties of alkali metal (M = Rb and Cs)-rare gas (Rg = He, Ne, Ar, Kr, and Xe) media. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 25974-25982	3.6	5
258	O(b <sup>1</sup> g <sup>-</sup> ) Removal by H, CO, NO, CH, and CH <sub>2</sub> in the 300-800 K Temperature Range. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 5283-5288	2.8	3
257	Production of Ar metastables in a dielectric barrier discharge <b>2017</b> ,		4
256	Spectroscopic and theoretical studies of ThCl and ThCl <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 054307	3.9	5
255	Photodetachment spectroscopy of the beryllium oxide anion, BeO. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 054301	3.9	7

254	Production of Ar and Xe metastables in rare gas mixtures in a dielectric barrier discharge. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 485203	3	16
253	Demonstration of a CW diode-pumped Ar metastable laser operating at 4 W. <i>Optics Letters</i> , <b>2017</b> , 42, 4627-4630	3	25
252	O(1D) Quenching by O, CO, HO, and N at Temperatures of 300-800 K. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 7343-7348	2.8	10
251	Photoelectron Velocity Map Imaging Spectroscopy of the Beryllium Sulfide Anion, BeS. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 5645-5650	2.8	6
250	Product channels of the reactions of Rb(62P) with H <sub>2</sub> , CH <sub>4</sub> and C <sub>2</sub> H <sub>6</sub> . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2017</b> , 196, 46-52	2.1	
249	Deactivation and reaction of excited states of Rb in collisions with H <sub>2</sub> , CH <sub>4</sub> and C <sub>2</sub> H <sub>6</sub> <b>2016</b> ,		1
248	Near UV bands of jet-cooled CaO. <i>Journal of Molecular Spectroscopy</i> , <b>2016</b> , 322, 18-21	1.3	5
247	Removal of Rb(6(2)P) by H(2), CH(4), and C(2)H(6). <i>Optics Letters</i> , <b>2016</b> , 41, 669-72	3	7
246	Incomplete ozone recovery effect in the presence of active oxygen species. <i>Bulletin of the Lebedev Physics Institute</i> , <b>2016</b> , 43, 20-25	0.5	3
245	Theoretical study of vibronic perturbations in magnesium carbide. <i>Molecular Physics</i> , <b>2016</b> , 114, 162-171	1.7	2
244	Pulsed discharge production Ar* metastables <b>2016</b> ,		3
243	Theoretical investigation of RbXe and CsXe excimers including the spin-orbit interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 205101	1.3	4
242	Optically pumped microplasma rare gas laser. <i>Optics Express</i> , <b>2015</b> , 23, 4804-13	3.3	48
241	Gas Flow Visualization Using Laser-induced Fluorescence. <i>Procedia Engineering</i> , <b>2015</b> , 106, 92-96		1
240	Kinetics of oxygen species in an electrically driven singlet oxygen generator. <i>Chemical Physics</i> , <b>2015</b> , 463, 65-69	2.3	8
239	Kinetics of optically pumped Kr metastables. <i>Optics Letters</i> , <b>2015</b> , 40, 1310-3	3	9
238	Evaluation of the exothermicity of the chemi-ionization reaction Sm + O -> jSmO(+) + e(-). <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 134307	3.9	32
237	The pure rotational spectrum of thorium monosulfide, ThS. <i>Chemical Physics Letters</i> , <b>2015</b> , 639, 304-306	2.5	6

236	Spectroscopic and theoretical studies of the low-lying states of BaO(+). <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 044302	3.9	6
235	Characterization of the BaCl+(X1 $\Sigma$ ) cation by photoelectron spectroscopy. <i>Journal of Molecular Spectroscopy</i> , <b>2015</b> , 316, 119-121	1.3	3
234	Autodetachment spectroscopy of the aluminum oxide anion dipole bound state. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 114311	3.9	14
233	Kinetics of Active Oxygen Species with Implications for Atmospheric Ozone Chemistry. <i>International Journal of Chemical Kinetics</i> , <b>2015</b> , 47, 93-103	1.4	11
232	Direct-potential-fit analyses yield improved empirical potentials for the ground X (1) $\Sigma^+$ (g) state of Be <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 064315	3.9	33
231	The permanent electric dipole moment of thorium sulfide, ThS. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 024307	3.9	10
230	Two-photon excitation of the 2(4p) $\Sigma^+$ 2(Bp) transition of AlAr. <i>Journal of Molecular Spectroscopy</i> , <b>2014</b> , 297, 1-3	1.3	
229	Mechanism of singlet oxygen deactivation in an electric discharge oxygen iodine laser. <i>Quantum Electronics</i> , <b>2014</b> , 44, 1083-1084	1.8	2
228	Kinetics of optically pumped Ar metastables. <i>Optics Letters</i> , <b>2014</b> , 39, 6541-4	3	27
227	Spectroscopy and structure of the simplest actinide bonds. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 10867-81	2.8	38
226	Kinetics of an optically pumped metastable Ar laser <b>2014</b> ,		11
225	Structure in the visible absorption bands of jet-cooled phenylperoxy radicals. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 7484-91	2.8	5
224	Static diode pumped alkali lasers: Model calculations of the effects of heating, ionization, high electronic excitation and chemical reactions. <i>Optics Communications</i> , <b>2013</b> , 292, 123-125	2	35
223	Chemistry. Turn the molecule this way for a faster reaction. <i>Science</i> , <b>2013</b> , 342, 46-7	33.3	1
222	A pared-down gas-phase kinetics for the chemical oxygen-iodine laser medium. <i>Chemical Physics</i> , <b>2013</b> , 425, 80-90	2.3	7
221	Spectroscopic and theoretical investigations of ThS and ThS+. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 12042-8	2.8	9
220	Preface to the Terry A. Miller Festschrift. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13207-8	2.8	
219	Experimental and theoretical characterization of the 2(2)A'-1(2)A' transition of BeOH/D. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 13654-63	2.8	8

218	Spectroscopic and theoretical investigations of UF and UF+. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 9684-94	2.8	19
217	Demonstration of a diode-pumped metastable Ar laser. <i>Optics Letters</i> , <b>2013</b> , 38, 5458-61	3	42
216	Low-lying states of HfS+ and the ionization energy of HfS. <i>Journal of Molecular Spectroscopy</i> , <b>2012</b> , 275, 35-40	1.3	3
215	Electronic structure and spectra of the RbAr van der Waals system including spin-orbit interaction. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 10589-96	2.8	8
214	Spectroscopic investigations of ThF and ThF+. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 104305	3.9	29
213	Collisional relaxation of the Kr(4p55p) states in He, Ne, and Kr <b>2012</b> ,		3
212	Experimental and theoretical studies of the electronic transitions of BeC. <i>Journal of Chemical Physics</i> , <b>2012</b> , 137, 214313	3.9	13
211	Gain and lasing of optically pumped metastable rare gas atoms. <i>Optics Letters</i> , <b>2012</b> , 37, 2157-9	3	59
210	Potential energy surfaces for the interactions of excited Rb and Cs atoms with methane <b>2012</b> ,		2
209	Communication: The permanent electric dipole moment of thorium monoxide, ThO. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 031102	3.9	19
208	Bonding in beryllium clusters. <i>Annual Review of Physical Chemistry</i> , <b>2011</b> , 62, 375-93	15.7	48
207	Electronic Absorption Spectra of the RbAr Van der Waals Complex <b>2011</b> ,		2
206	A simplified kinetic model for the COIL active medium <b>2011</b> ,		2
205	Electronic transitions of Rb <sub>2</sub> above 25 000 cm <sup>-1</sup> . <i>Journal of Molecular Spectroscopy</i> , <b>2011</b> , 268, 37-41	1.3	8
204	High-fidelity modelling of an exciplex pumped alkali laser with radiative transport. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2011</b> , 44, 135402	1.3	10
203	Reactions of positive ions with ClN <sub>3</sub> at 300K. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 303, 220-224		
202	Energy transfer kinetics of the np <sup>5</sup> (n + 1)p excited states of Ne and Kr. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 9724-30	2.8	8
201	I <sub>2</sub> dissociation by O <sub>2</sub> (a <sup>1</sup> Δ <sub>g) generated from the reaction O(1D)+N<sub>2</sub>O. <i>Chemical Physics Letters</i>, <b>2011</b>, 502, 150-153</sub>	2.5	3

200	The unique bonding characteristics of beryllium and the Group IIA metals. <i>Chemical Physics Letters</i> , <b>2011</b> , 506, 1-14	2.5	58
199	Cavity ring-down spectroscopy of the phenyl radical in a pulsed discharge supersonic jet expansion. <i>Chemical Physics Letters</i> , <b>2011</b> , 507, 216-220	2.5	9
198	Communication: spectroscopic measurements for HfF <sup>+</sup> of relevance to the investigation of fundamental constants. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 201102	3.9	17
197	Rotational and vibrational energy transfer in vibrationally excited acetylene at energies near 6560 cm <sup>-1</sup> . <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 244304	3.9	11
196	XPAL modeling and theory <b>2011</b> ,		8
195	Pulsed-field ionization zero electron kinetic energy spectrum of the ground electronic state of BeOBe <sup>+</sup> . <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 044306	3.9	13
194	On the O <sub>2</sub> (a <sup>1</sup> Δ) quenching by vibrationally excited ozone <b>2010</b> ,		4
193	Electron attachment to chlorine azide at 298 and 400 K. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 134308	3.9	3
192	Multi-dimensional modeling of the XPAL system <b>2010</b> ,		12
191	O <sub>2</sub> (a <sup>1</sup> Δ) Quenching In The OD <sub>2</sub> D <sub>3</sub> System <b>2010</b> ,		2
190	Reactions of negative ions with ClN <sub>3</sub> at 300 K. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 6832-6	2.8	1
189	Experimental and theoretical investigations of rotational energy transfer in HBr + He collisions. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 11109-16	2.8	4
188	Spectroscopic characterization of Be(2) (+) X (2)Sigma(u) (+) and the ionization energy of Be(2). <i>Journal of Chemical Physics</i> , <b>2010</b> , 133, 074309	3.9	26
187	Recent advances in the development of discharge-pumped oxygen-iodine lasers. <i>Laser and Photonics Reviews</i> , <b>2010</b> , 4, 671-683	8.3	19
186	Molecular Spectroscopy and Reactions of Actinides in the Gas Phase and Cryogenic Matrices <b>2010</b> , 4079-4156		8
185	Temperature dependence of the O+I(P <sub>21/2</sub> )-D+I(P <sub>23/2</sub> ) quenching rate constant. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 094911	2.5	6
184	Ionization energy measurements and spectroscopy of HfO and HfO <sup>+</sup> . <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 144503	3.9	15
183	Probing rotational relaxation in HBr (v=1) using double resonance spectroscopy. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 074305	3.9	9

182	O <sub>2</sub> (a <sup>1</sup> Δ) quenching in the O/O <sub>2</sub> /O <sub>3</sub> system. <i>Chemical Physics Letters</i> , <b>2009</b> , 482, 56-61	2.5	22
181	Formation and quenching mechanisms of excited particles in an oxygen-iodine laser medium. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2009</b> , 107, 363-367	0.7	2
180	Electronic spectroscopy of UO <sub>2</sub> Cl <sub>2</sub> isolated in solid Ar. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 12724-8	2.8	9
179	Spectroscopy, structure, and ionization energy of BeOBe. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 13300-9	2.8	17
178	On the dissociation of I <sub>2</sub> by O <sub>2</sub> (a <sup>1</sup> Δ): Pathways involving the excited species I <sub>2</sub> (A' <sup>3</sup> Π <sub>2u</sub> , A <sup>3</sup> Π <sub>1u</sub> ), I <sub>2</sub> (X <sup>1</sup> Σ <sub>g</sub> <sup>+</sup> , <sup>u</sup> ), and O <sub>2</sub> (a <sup>1</sup> Δ, <sup>u</sup> ). <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 104306	3.9	25
177	Theoretical investigations of alkali metal: rare gas interaction potentials <b>2009</b> ,		10
176	On the ionization energy of HfO. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 12353-5	2.8	6
175	Beryllium dimer--caught in the act of bonding. <i>Science</i> , <b>2009</b> , 324, 1548-51	33.3	175
174	Experimental and theoretical studies of the CN-Ar van der Waals complex. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 104308	3.9	15
173	Spectroscopy, dissociation dynamics, and potential energy surfaces for CN(A)-Ar. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 224309	3.9	6
172	The ionization energy of Be <sub>2</sub> , and spectroscopic characterization of the (1) <sup>3</sup> Σ <sub>g</sub> <sup>+</sup> , (2) <sup>3</sup> Π <sub>g</sub> , and (3) <sup>3</sup> Π <sub>g</sub> states. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 4006-13	3.6	36
171	Experimental and theoretical study of the electronic spectrum of BeAl. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 5403-11	3.6	14
170	Spectroscopy of the UO <sup>2+</sup> cation and the delayed ionization of UO <sub>2</sub> . <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 084304	3.9	28
169	Collisional quenching and radiation trapping kinetics for Rb(5p) in the presence of ethane <b>2008</b> ,		4
168	Multi-pathway I <sub>2</sub> dissociation model for COIL <b>2008</b> ,		4
167	Kinetics of O <sub>2</sub> (a <sup>1</sup> Δ <sub>g</sub> ) and I(2P <sub>1/2</sub> ) in the photochemistry of N <sub>2</sub> O/I <sub>2</sub> mixtures. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 6592-9	2.8	11
166	Quenching of I(2P <sub>1/2</sub> ) by NO <sub>2</sub> , N <sub>2</sub> O <sub>4</sub> , and N <sub>2</sub> O. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 10062-7	2.8	4
165	Quenching of I(2P <sub>1/2</sub> ) by O <sub>3</sub> and O(3P). <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 3010-5	2.8	13



164	Ab initio investigation of the NH(X)-N <sub>2</sub> van der Waals complex. <i>Journal of Chemical Physics</i> , <b>2007</b> , 126, 154311	3.9	4
163	Formation of I <sub>2</sub> (B $\bar{3}\bar{0}$ ) in the presence of O <sub>2</sub> (a $\bar{1}\bar{1}$ ) <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 123108	2.5	7
162	Observation of fast O <sub>2</sub> ( a $\bar{1}\bar{1}$ ) quenching in the O/O <sub>2</sub> /O <sub>3</sub> system <b>2007</b> ,		2
161	Probing the electronic structure of UO <sup>+</sup> with high-resolution photoelectron spectroscopy. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 133202	3.9	45
160	Spectroscopic characterization of the C <sub>2</sub> -Ne van der Waals complex. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 054314	3.9	14
159	Spectroscopy of the ground and low-lying excited states of ThO <sup>+</sup> . <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 64312	3.9	65
158	The permanent electric dipole moments and magnetic g factors of uranium monoxide. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 204314	3.9	25
157	Universal scaling features of spectroscopic constants for diatomic systems. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 106101	3.9	2
156	Role of O <sub>2</sub> (b) and I <sub>2</sub> (A',A) in Chemical Oxygen-Iodine Laser Dissociation Process. <i>AIAA Journal</i> , <b>2006</b> , 44, 1593-1600	2.1	20
155	Probing actinide electronic structure using fluorescence and multi-photon ionization spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 4497-509	3.6	52
154	Quenching of I(2P 1/2 ) by O <sub>3</sub> and O(3P) <b>2006</b> ,		8
153	Important kinetic effects in the hybrid ElectricOIL system <b>2006</b> , 6261, 428		6
152	Probing actinide electronic structure using fluorescence and multiphoton ionization spectroscopy <b>2006</b> , 140-154		
151	Experimental and theoretical investigation of the A 3pi-X 2sigma- transition of NH/D-Ne. <i>Physical Chemistry Chemical Physics</i> , <b>2005</b> , 7, 846-54	3.6	8
150	The electronic spectrum of the UO <sub>2</sub> molecule. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 86-91	6.4	99
149	Experimental detection and theoretical characterization of the H <sub>2</sub> -NH <sub>X</sub> van der Waals complex. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 144318	3.9	17
148	Kinetic studies for advanced iodine laser concepts <b>2005</b> ,		2
147	Spectroscopy and dynamics of hydride radical van der Waals complexes. <i>International Reviews in Physical Chemistry</i> , <b>2005</b> , 24, 375-420	7	35

146	Bound states and scattering resonances of OH(A)-He. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 64307	3.9	12
145	Ionization energy measurements and electronic spectra for ThO. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 204311	3.9	32
144	Spectroscopic and theoretical characterization of the A2delta-X2pi transition of CH-Ne. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 054304	3.9	2
143	Bound state spectroscopy of NH-He. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 7549-52	3.9	10
142	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. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 2285-95	3.9	13
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8	The free jet cooled, laser induced fluorescence spectrum of sym-triazine. <i>Journal of Chemical Physics</i> , <b>1981</b> , 75, 5271-5279	3.9	24
7	Laser-induced fluorescence of the BO and BO <sub>2</sub> free radicals. <i>Chemical Physics</i> , <b>1980</b> , 51, 299-309	2.3	43
6	Energy transfer in collisions of excited Ar(3P <sub>0,2</sub> ) metastable atoms with H(2S) atoms. II. Lyman-β emission profile. <i>Chemical Physics</i> , <b>1980</b> , 47, 179-188	2.3	11
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