Timothy G Wright

List of Publications by Year
in descending order

159	3,144	159358 30	253896 43
papers	citations	h-index	g-index

161	161	161	1621
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interactions of Si⁺(²P_J) and Ge⁺(²P_J) with rare gas atoms (Heâ€“Rn): interaction potentials, spectroscopy, and ion transport coefficients. Physical Chemistry Chemical Physics, 2022, 24, 7144-7163.	1.3	1
2	Spectroscopy of N-methylpyrroleâ€“RG (RG = Ar, Kr) complexes: first excited neutral and ground cationic states. Chemical Physics Letters, 2022, , 139800.	1.2	0
3	Torsions of N-methylpyrrole and its cation. Chemical Physics Letters, 2021, 763, 138227.	1.2	6
4	Vibrations of pyrrole, N-substituted pyrroles, and their cations. Journal of Molecular Spectroscopy, 2021, 376, 111410.	0.4	4
5	Electronic, vibrational, and torsional couplings in N-methylpyrrole: Ground, first excited, and cation states. Journal of Chemical Physics, 2021, 154, 224305.	1.2	5
6	Unpicking vibration-vibration and vibration-torsion interactions in m-fluorotoluene. Journal of Molecular Spectroscopy, 2021, 381, 111522.	0.4	4
7	Comment on â€œElectronic, vibrational and torsional couplings in N-methylpyrrole: Ground, first excited and cation statesâ€•[J. Chem. Phys. 154, 224305 (2021)]. Journal of Chemical Physics, 2021, 155, 117101.	1.2	2
8	Torsions, low-frequency vibrations, and vibrationâ€“torsion (â€œvibtorâ€) levels in the m-chlorotoluene cation. Journal of Chemical Physics, 2020, 152, 064303.	1.2	4
9	Variations in Duschinsky rotations in m-fluorotoluene and m-chlorotoluene during excitation and ionization. Journal of Chemical Physics, 2020, 152, 214303.	1.2	3
10	Methyl-torsion-facilitated internal energy delocalization following electronic excitation in m-fluorotoluene: Can meta and para substitution be directly compared?. AIP Advances, 2020, 10, .	0.6	6
11	Effects of symmetry, methyl groups and serendipity on intramolecular vibrational energy dispersal. Physical Chemistry Chemical Physics, 2019, 21, 14133-14152.	1.3	16
12	Vibration-modified torsional potentials and vibration-torsion (â€œvibtorâ€) levels in them-fluorotoluene cation. Journal of Chemical Physics, 2019, 151, 084311.	1.2	6
13	Observation of the onset of torsion-induced, mode-specific dissipative intramolecular vibrational redistribution (IVR). Journal of Chemical Physics, 2019, 151, 064308.	1.2	8
14	Complexity surrounding an apparently simple Fermi resonance in p-fluorotoluene revealed using two-dimensional laser-induced fluorescence (2D-LIF) spectroscopy. Journal of Chemical Physics, 2019, 150, 064306.	1.2	10
15	Identification of separate isoenergetic routes for vibrational energy flow in p-fluorotoluene. Journal of Chemical Physics, 2019, 151, 154302.	1.2	7
16	Unravelling overlaps and torsion-facilitated coupling using two-dimensional laser-induced fluorescence. Molecular Physics, 2019, 117, 3011-3026.	0.8	7
17	Interactions of C ⁺ (² P _J) with rare gas atoms: incipient chemical interactions, potentials and transport coefficients. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170156.	1.6	5
18	Quantum chemical study of the structure, spectroscopy and reactivity of NO + .(H 2 O) n =1â^'5 clusters. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170152.	1.6	6

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19	Direct observation of vibrational energy dispersal via methyl torsions. Chemical Science, 2018, 9, 2270-2283.	3.7	24
20	Consistent assignment of the vibrations of symmetric and asymmetric ortho-disubstituted benzenes. Journal of Molecular Spectroscopy, 2018, 344, 46-60.	0.4	11
21	Vibrations of the p-chlorofluorobenzene cation. Physical Chemistry Chemical Physics, 2018, 20, 12503-12516.	1.3	9
22	Consistent assignment of the vibrations of symmetric and asymmetric meta-disubstituted benzenes. Journal of Molecular Spectroscopy, 2018, 346, 46-59.	0.4	13
23	Reactivity of the O₂⁺Â·(H₂O)_n and NO⁺Â·(H₂O)_n cluster ions in the D-region of the ionosphere. Physical Chemistry Chemical Physics, 2018, 20, 25931-25938.	1.3	9
24	Identifying complex Fermi resonances in p-difluorobenzene using zero-electron-kinetic-energy (ZEKE) spectroscopy. Journal of Chemical Physics, 2018, 149, 094301.	1.2	11
25	Hybridization and Covalency in the Group 2 and Group 12 Metal Cation/Rare Gas Complexes. Journal of Physical Chemistry A, 2018, 122, 7679-7703.	1.1	10
26	Theoretical study of Si⁺(²P_J)â€“RG complexes and transport of Si⁺(²P_J) in RG (RG = Heâ€“Ar). Molecular Physics, 2017, 115, 437-446.	0.8	4
27	Molecular symmetry group analysis of the low-wavenumber torsions and vibration-torsions in the S1state and ground state cation ofp-xylene: An investigation using resonance-enhanced multiphoton ionization (REMPI) and zero-kinetic-energy (ZEKE) spectroscopy. Journal of Chemical Physics, 2017, 146, 124308.	1.2	20
28	Vibrational and vibrational-torsional interactions in the 0â€“600 cmâ˜1 region of the S1 â†•S0 spectrum of p-xylene investigated with resonance-enhanced multiphoton ionization (REMPI) and zero-kinetic-energy (ZEKE) spectroscopy. Journal of Chemical Physics, 2017, 146, 124309.	1.2	18
29	Resonance-enhanced multiphoton ionization (REMPI) spectroscopy of pâ€“chlorofluorobenzene. Chemical Physics Letters, 2017, 684, 339-345.	1.2	12
30	Vibration and vibration-torsion levels of the S1 state of para-fluorotoluene in the 580â€“830 cmâ˜1 range: Interactions and coincidences. Journal of Chemical Physics, 2017, 146, 244310.	1.2	20
31	Transport coefficients of He+ ions in helium. Journal of Chemical Physics, 2016, 144, 074306.	1.2	11
32	Torsion and vibration-torsion levels of the S1 and ground cation electronic states of para-fluorotoluene. Journal of Chemical Physics, 2016, 145, 124307.	1.2	23
33	Carbene footprinting accurately maps binding sites in proteinâ€“ligand and proteinâ€“protein interactions. Nature Communications, 2016, 7, 13288.	5.8	61
34	Consistent assignment of the vibrations of symmetric and asymmetric para-disubstituted benzene molecules. Journal of Molecular Spectroscopy, 2016, 321, 28-49.	0.4	35
35	Resonance-enhanced multiphoton ionization (REMPI) spectroscopy of bromobenzene and its perdeuterated isotopologue: Assignment of the vibrations of the S₀, S₁, and D₀⁺ states of bromobenzene and the S₀ and D₀⁺ states of iodobenzene. Journal of Chemical Physics, 2015, 143, 244320.	1.2	9
36	Assignment of the vibrations of the S0, S1, and D0+ states of perhydrogenated and perdeuterated isotopologues of chlorobenzene. Journal of Chemical Physics, 2015, 143, 104312.	1.2	10

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37	Interaction potentials, spectroscopy and transport properties of C⁺(²P_J) and C⁺(⁴P_J) with helium. Molecular Physics, 2015, 113, 3767-3782.	0.8	13
38	A Surprisingly Simple Electrostatic Model Explains Bent Versus Linear Structures in M⁺-RG₂ Species (M = Group 1 Metal, Liâ€“Fr; RG = Rare Gas, Heâ€“Rn). Journal of Physical Chemistry A, 2015, 119, 10959-10970.	1.1	8
39	Theoretical Study of M⁺â€“RG₂: (M⁺ = Ca, Sr, Ba, and Ra; RG =) Tj ETQq1 1 0.784314 rgBT /O	1.1	9
40	Interaction of the NO 3pÏ€ (Câ€²Î) Rydberg state with RG (RG = Ne, Kr, and Xe): Potential energy surfaces and spectroscopy. Journal of Chemical Physics, 2015, 142, 034311.	1.2	3
41	HM+â€“RG complexes (M = group 2 metal; RG = rare gas): Physical vs. chemical interactions. Journal of Chemical Physics, 2015, 142, 154302.	1.2	2
42	Comparison of the interactions in the rare gas hydride and Group 2 metal hydride anions. Journal of Chemical Physics, 2014, 140, 084304.	1.2	6
43	Vibrations of the S1 state of fluorobenzene-h5 and fluorobenzene-d5 via resonance-enhanced multiphoton ionization (REMPI) spectroscopy. Journal of Chemical Physics, 2014, 141, 244315.	1.2	12
44	The 700-1500 cmâ»1 region of the S1 (Ã¹B2) state of toluene studied with resonance-enhanced multiphoton ionization (REMPI), zero-kinetic-energy (ZEKE) spectroscopy, and time-resolved slow-electron velocity-map imaging (tr-SEVI) spectroscopy. Journal of Chemical Physics, 2014, 140, 114308.	1.2	29
45	HM+ and HM+â€²He (M = Group 2 metal): Chemical or physical interactions?. Journal of Chemical Physics, 2014, 141, 094306.	1.2	5
46	Resonance-enhanced multiphoton ionization spectroscopy of laser-ablated copper atoms. Chemical Physics Letters, 2014, 613, 80-85.	1.2	0
47	Critical influences on the rate of intramolecular vibrational redistribution: a comparative study of toluene, toluene-d₃and p-fluorotoluene. Physical Chemistry Chemical Physics, 2014, 16, 430-443.	1.3	30
48	Theoretical Study of M⁺â€“RG₂ (M⁺ = Li, Na, Be, Mg; RG = Heâ€“Rn). Journal of Physical Chemistry A, 2013, 117, 13578-13590.	1.1	21
49	Vibrations of the low energy states of toluene ($ilde X$Ã¹A1 and $ilde A$Ã¹â€²B2) and the toluene cation ($ilde X$Ã²â€²B1). Journal of Chemical Physics, 2013, 138, 134303.	1.2	39
50	Spectroscopy of the Ã¹ state of NOâ€“alkane complexes (alkane = methane, ethane, propane, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	3
51	Interactions in the B⁺â€“RG Complexes and Comparison with Be⁺â€“RG (RG =) Tj ETQq1 1 0.784314 rgBT	1.1	14
52	Interaction Potentials of Uranium Cations with Rare Gases (RG) and Transport of U⁺ in RG (RG = He, Ne, Ar, Kr, and Xe). Journal of Physical Chemistry A, 2011, 115, 12126-12131.	1.1	6
53	Theoretical Study of M⁺â»RG Complexes (M = Ga, In; RG = Heâ»Rn). Journal of Physical Chemistry A, 2011, 115, 6979-6985.	1.1	11
54	Theoretical study of Clâ»RG (rare gas) complexes and transport of Clâ» through RG (RG = Heâ€“Rn). Journal of Chemical Physics, 2011, 135, 024312.	1.2	6

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55	A kinetic study of Mg+ and Mg-containing ions reacting with O3, O2, N2, CO2, N2O and H2O: implications for magnesium ion chemistry in the upper atmosphere. Physical Chemistry Chemical Physics, 2011, 13, 6352.	1.3	34
56	Xe+ formation following photolysis of Auâ€“Xe: A velocity map imaging study. Journal of Chemical Physics, 2011, 134, 094311.	1.2	8
57	Consistent assignment of the vibrations of monosubstituted benzenes. Journal of Chemical Physics, 2011, 135, 114305.	1.2	99
58	Theoretical study of Al+â€“RG (RG=Heâ€“Rn). Journal of Chemical Physics, 2010, 133, 164302.	1.2	16
59	A velocity map imaging study of gold-rare gas complexes: Auâ€“Ar, Auâ€“Kr, and Auâ€“Xe. Journal of Chemical Physics, 2010, 132, 214303.	1.2	20
60	Theoretical study of the bonding in Mn+-RG complexes and the transport of Mn+ through rare gas (M=Ca, Sr, and Ra; n=1 and 2; and RG=Heâ€“Rn). Journal of Chemical Physics, 2010, 132, 054302.	1.2	43
61	Geometries and Bond Energies of the Heâ^'MX, Neâ^'MX, and Arâ^'MX (M = Cu, Ag, Au; X = F, Cl) Complexes. Journal of Physical Chemistry A, 2010, 114, 4446-4454.	1.1	43
62	Electronic Spectroscopy of the 6p â†•6s Transition in Auâ^'Ne: Trends in the Auâ^'RG Series. Journal of Physical Chemistry A, 2010, 114, 3103-3113.	1.1	13
63	Radii of Atomic Ions Determined From Diatomic Ionâ^'He Bond Lengths. Journal of Physical Chemistry A, 2010, 114, 3182-3189.	1.1	26
64	Theoretical Study of M⁺â^'RG and M²⁺â^'RG Complexes and Transport of M⁺ through RG (M = Be and Mg, RG = Heâ^'Rn). Journal of Physical Chemistry A, 2010, 114, 7631-7641.	1.1	48
65	Theoretical study of the Xâ€‰Î£2+ states of the neutral CMâ€“RG complexes (CM=coinage metal, Cu, Ag, and) Tj ETQq1 1 0.784314 rg	1.2	19
66	Interactions of rare gas cations with lighter rare gas atoms. Molecular Physics, 2010, 108, 547-555.	0.8	14
67	Theoretical study of Ban+â€“RGâ€(RG=rareâ€‰gas) complexes and transport of Ban+ through RG (n=1,2;â€,RG=Heâ€“Rn). Journal of Chemical Physics, 2009, 130, 194305.	1.2	41
68	Interaction Potentials, Spectroscopy, and Transport Properties of the Br⁺â^'RG Systems (RG) Tj ETQq0 0 0 rgBT /Overlock 1	1.1	6
69	Theoretical Study of Mg⁺â^'X and [Xâ^'Mgâ^'Y]⁺Complexes Important in the Chemistry of Ionospheric Magnesium (X, Y = H₂O, CO₂, N₂,) Tj ETQq1 1 0.784314 rg	1.1	44
70	Interaction potentials, spectroscopy and transport properties of RG⁺â€“He (RG=Arâ€“Rn). Molecular Physics, 2009, 107, 2127-2139.	0.8	12
71	Electronic spectroscopy of the Auâ€“Xe complex. Physical Chemistry Chemical Physics, 2009, 11, 1539.	1.3	12
72	Qualitative theoretical investigation of Au(6p)â€“Ar. Chemical Physics Letters, 2008, 459, 70-72.	1.2	6

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73	Interaction potential of Al3+â€“Ne and the mobility of Al3+ in He and Ne. Chemical Physics Letters, 2008, 467, 66-69.	1.2	7
74	A kinetic study of Ca-containing ions reacting with O, O2, CO2 and H2O: implications for calcium ion chemistry in the upper atmosphere. Physical Chemistry Chemical Physics, 2008, 10, 5287.	1.3	24
75	Electronic spectroscopy of the á¹¼â†•Xì ƒ transition of NOâ€“Kr and shielding/penetration effects in Rydberg states of NOâ€“Rg complexes. Physical Chemistry Chemical Physics, 2008, 10, 375-379.	1.3	4
76	Theoretical Study of Ca⁺â^'X and Yâ^'Ca⁺â^'X Complexes Important in the Chemistry of Ionospheric Calcium (X, Y = H₂O, CO₂, N₂,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.1	10
77	Evidence for Emergent Chemical Bonding in Au⁺â^'Rg Complexes (Rg = Ne, Ar, Kr, and Xe). Journal of Physical Chemistry A, 2008, 112, 4209-4214.	1.1	54
78	Electronic spectroscopy of the Au(6p)â€“Kr complex. Journal of Chemical Physics, 2008, 129, 154315.	1.2	18
79	Interaction of NO(Aâ€‰Î£2+) with rare gas atoms: Potential energy surfaces and spectroscopy. Journal of Chemical Physics, 2008, 129, 244303.	1.2	47
80	Interactions between anionic and neutral bromine and rare gas atoms. Journal of Chemical Physics, 2008, 128, 064317.	1.2	9
81	Interaction potentials, spectroscopy, and transport properties of Ne+â€“He and He+â€“Ne. Journal of Chemical Physics, 2008, 129, 184307.	1.2	16
82	Transport of O+ through argon gas. Journal of Chemical Physics, 2008, 128, 134302.	1.2	44
83	Reinvestigation of the electronic spectroscopy of the Auâ€“Ar complex. Journal of Chemical Physics, 2007, 127, 204308.	1.2	20
84	Interaction potentials and transport properties of coinage metal cations in rare gases. Journal of Chemical Physics, 2007, 127, 154309.	1.2	81
85	Zero electron kinetic energy spectroscopy of the para-fluorotoluene cation. Journal of Chemical Physics, 2007, 126, 244304.	1.2	32
86	Interaction potential and transport properties of NeO+. Journal of Chemical Physics, 2007, 127, 084303.	1.2	8
87	The <mml:math altimg="si8.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:cc="http://www.elsevier.com/x	1.2	20
88	Accurate potential energy curves for Zn+â€“Rg (Rg=Heâ€“Rn): Spectroscopy and transport coefficients. Chemical Physics Letters, 2007, 450, 19-24.	1.2	22
89	Analysis of the bonding in alkali-cation/Rg complexes (Rg=Heâ€“Xe) using a simple model potential. Chemical Physics, 2007, 333, 77-84.	0.9	26
90	Accurate potential energy curves for Fâ^'â€“Rg (Rg = Heâ€“Rn): Spectroscopy and transport coefficients. Physical Chemistry Chemical Physics, 2006, 8, 4752-4757.	1.3	17

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91	A Theoretical Study of the Ionâ^'Molecule Chemistry of K+Â·X Complexes (X = O, O2, N2, CO2, H2O):â€‰ Implications for the Upper Atmosphere. Journal of Physical Chemistry A, 2006, 110, 3093-3100.	1.1	18
92	Accurate potential energy curves for HeSâ^': Spectroscopy and transport coefficients. Chemical Physics Letters, 2006, 420, 24-28.	1.2	18
93	Ab initio study of the toluene dimer. Chemical Physics Letters, 2006, 427, 410-413.	1.2	25
94	Electronic spectroscopy of para-fluorotoluene clusters. Chemical Physics Letters, 2006, 430, 282-286.	1.2	4
95	Interaction potentials and spectroscopy of Hg+â^™Rg and Cd+â^™Rg and transport coefficients for Hg+ and Cd+ in Rg (Rgî—»Heî—¸Rn). Journal of Chemical Physics, 2006, 124, 044316.	1.2	29
96	Interaction potentials for Brâ^'â€“Rg (Rg=Heâ€“Rn): Spectroscopy and transport coefficients. Journal of Chemical Physics, 2006, 125, 064305.	1.2	16
97	Mobility of O+ in He and interaction potential of HeO+. Journal of Chemical Physics, 2006, 125, 084309.	1.2	13
98	Progress in understanding the intramolecular vibrational redistribution dynamics in the S1 state of para-fluorotoluene. Journal of Chemical Physics, 2006, 125, 124308.	1.2	27
99	Electronic spectroscopy of the 3d Rydberg states of NOâ€“Rg (Rg=Ne,Ar,Kr,Xe) van der Waals complexes. Journal of Chemical Physics, 2006, 124, 214302.	1.2	21
100	Electronic spectroscopy of NOâ€“(Rg)x complexes (Rg=Ne,Ar) via the 4s and 3d Rydberg states. Journal of Chemical Physics, 2006, 125, 144319.	1.2	11
101	Structure and thermodynamics of KS3 and <mml:math altimg="si7.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"	1.2	2
102	Accurate potential energy curves for HeOâ^', NeOâ^', and ArOâ^': Spectroscopy and transport coefficients. Journal of Chemical Physics, 2005, 122, 114302.	1.2	26
103	Heavier alkali-metal monosulfides (KS, RbS, CsS, and FrS) and their cations. Journal of Chemical Physics, 2005, 123, 144309.	1.2	7
104	Electronic spectroscopy of small toluene clusters. Journal of Chemical Physics, 2005, 122, 074312.	1.2	14
105	Spectroscopy of M+Â·Rg and transport coefficients of M+in Rg (M = Rbâ€“Fr; Rg = Heâ€“Rn). Physical Chemistry Chemical Physics, 2004, 6, 4233-4239.	1.3	48
106	Al3+Â·He: stability and spectroscopy. Chemical Physics Letters, 2004, 383, 1-5.	1.2	9
107	Al3+â€“He: stability and spectroscopy. Chemical Physics Letters, 2004, 392, 281-283.	1.2	12
108	Spectroscopy and thermodynamics of LiS/NaS (X2Î and A2Î£+) and LiS+/NaS+(X3Î£â^' and A3Î). Chemical Physics Letters, 2004, 397, 194-199.	1.2	12

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109	Structures and binding energies of O2â˜Â·H2O and O2Â·H2O. Physical Chemistry Chemical Physics, 2004, 6, 4385-4390.	1.3	29
110	Experimental and Theoretical Studies on the Complex Formed between H2S and O2-. Journal of Physical Chemistry A, 2004, 108, 10486-10490.	1.1	9
111	Structures and Vibrational Frequencies of NaO3 and NaO3+:â€‰ The Ionization Energy of NaO3. Journal of Physical Chemistry A, 2004, 108, 4792-4798.	1.1	3
112	Spectroscopy of K[sup +]â‹…Rg and transport coefficients of K[sup +] in Rg (Rg=Heâ€“Rn). Journal of Chemical Physics, 2004, 121, 341.	1.2	45
113	Structures and binding energies of K+Â·H2O, K+Â·CO2 and K+Â·N2. Chemical Physics Letters, 2003, 373, 599-605.	1.2	10
114	Spectroscopy and Thermodynamics of KO+. Journal of Physical Chemistry A, 2003, 107, 7024-7026.	1.1	2
115	Ionization energy of KOH and the dissociation energies of KOH and KOH+. Molecular Physics, 2003, 101, 405-412.	0.8	7
116	Spectroscopy of Na+â‹…Rg and transport coefficients of Na+ in Rg(Rg=Heâ€“Rn). Journal of Chemical Physics, 2003, 119, 3729-3736.	1.2	44
117	What is the ground electronic state of KO?. Journal of Chemical Physics, 2002, 117, 8241-8247.	1.2	23
118	The intermolecular potential energy surface of the Heâ‹…NO+ cationic complex. Journal of Chemical Physics, 2002, 116, 2395-2399.	1.2	13
119	Spectroscopy of Li+Â·Rg and Li+â€“Rg transport coefficients (Rgâ€‰=â€‰Heâ€“Rn). Physical Chemistry Chemical Physics, 2002, 4, 3601-3610.	1.3	49
120	10â€ƒâ€ƒZEKE spectroscopy: Into the new millennium. Annual Reports on the Progress of Chemistry Section C, 2002, 98, 375-419.	4.4	11
121	Microsolvation of Hg and Hg2+:Â Energetics of HgÂ·H2O, Hg2+Â·H2O and HgOH+. Journal of Physical Chemistry A, 2002, 106, 8619-8626.	1.1	19
122	A study of the role of ionâ€“molecule chemistry in the formation of sporadic sodium layers. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 845-860.	0.6	73
123	A theoretical study of the ligand-exchange reactions of Na+Â·X complexes (X=O,O2,N2,CO2 and H2O): implications for the upper atmosphere. Journal of Atmospheric and Solar-Terrestrial Physics, 2002, 64, 863-870.	0.6	22
124	The ionization energy of KO2(XÌƒ2A2) and dissociation energies of KO2 and KO2+. Chemical Physics Letters, 2002, 363, 139-144.	1.2	20
125	Static dipole polarizabilities (Î±) and static second hyperpolarizabilities (Î³) of the rare gas atoms (Heâ€“Rn). Physical Chemistry Chemical Physics, 2001, 3, 4661.	1.3	52
126	An ab initio study of RbO, CsO and FrO (X2ÃŽÂ£+; A2ÃŽÂ) and their cations (X3ÃŽÂ£Ã¢â‚¬â€œ; A3ÃŽÂ). Physical Chemistry Chemical Physics, 2001, 3, 4863-4869.	1.3	46

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127	Structure and Binding Energies of Monohydrated Cd and Cd2+. Journal of Physical Chemistry A, 2001, 105, 8510-8515.	1.1	8
128	High-quality interatomic potential for Li+Â·He. Chemical Physics Letters, 2001, 343, 429-436.	1.2	40
129	The NO(X2Î)â€“Ne complex. II. Investigation of the lower bound states based on new potential energy surfaces. Journal of Chemical Physics, 2001, 114, 5588-5597.	1.2	28
130	Further investigations of the Ãƒâ†Ì‚ transition of the KrÂ·NO and XeÂ·NO complexes using (1+1) REMPI spectroscopy. Chemical Physics Letters, 2000, 325, 232-240.	1.2	38
131	The Ãƒâ†Ì‚(1+1)REMPI spectrum and high-level ab initio calculations of the complex between NO and N2. Journal of Chemical Physics, 2000, 113, 10952-10961.	1.2	28
132	The Ãƒâ€Š2Î£+ state of Arâ‹…NO. Journal of Chemical Physics, 2000, 113, 7224-7236.	1.2	29
133	Na2O and Na2O+:â€‰ Thermodynamics and Low-Lying Electronic States. Journal of Physical Chemistry A, 2000, 104, 3317-3325.	1.1	8
134	Structure and potential energy surface for Na+â‹…N2. Journal of Chemical Physics, 1999, 111, 3420-3425.	1.2	20
135	Study of the OH and OD radicals with photoelectron spectroscopy using synchrotron radiation. Journal of Chemical Physics, 1999, 110, 345-354.	1.2	30
136	Interatomic potentials for the Na⁺â€”Rg complexes (Rg = He, Ne and Ar). Molecular Physics, 1999, 97, 139-149.	0.8	32
137	Thermodynamics of NO+Â·N2:Â Atmospheric Relevance. Journal of Physical Chemistry A, 1999, 103, 5547-5550.	1.1	7
138	Methylcarbyne Radical [CH3C(Ì‚2Aâ€˜Ââ€˜; Ã£4A2)] and the Chemiionization Reaction:Â CH3C + O â†’ CH3CO+ + e-. Journal of Physical Chemistry A, 1999, 103, 721-726.	1.1	16
139	Interaction Energy of the Radonâ‹…Water (RnÂ·H2O) Complex. Journal of Physical Chemistry A, 1999, 103, 7843-7847.	1.1	13
140	Spectroscopy and Thermodynamics of NaO+(X3Î£-):Â Relevance to Atmospheric Chemistry. Journal of Physical Chemistry A, 1998, 102, 9040-9046.	1.1	23
141	A study of the CS molecule with photoelectron spectroscopy using synchrotron radiation. Journal of Chemical Physics, 1998, 108, 6258-6265.	1.2	20
142	The Ãƒâ€‰2Î£+ state of Arâ‹…NO studied using resonance-enhanced multiphoton and zero-kinetic-energy pulsed-field ionization spectroscopy. Journal of Chemical Physics, 1998, 108, 406-415.	1.2	31
143	Ãƒâ†Ì‚transition of RgÂ·NO complexes (Rg=rare gas) observed using resonance-enhanced multiphoton ionization (REMPI) spectroscopy XeÂ·NO. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 629-634.	1.7	16
144	The Tropyl Cation (c-C7H7+) and the Tropyl Radical (c-C7H7). Journal of Physical Chemistry A, 1998, 102, 4007-4013.	1.1	19

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146	Geometries and Binding Energies of RgÂ·NO+Cationic Complexes (Rg = He, Ne, Ar, Kr, and Xe). Journal of Physical Chemistry A, 1998, 102, 6858-6864.	1.1	31
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