

Hanspeter Helm

List of Publications by Year in descending order

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163
papers

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53751

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165
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165
docs citations

165
times ranked

4328
citing authors

#	ARTICLE	IF	CITATIONS
1	Tomography of photoelectron distributions produced through strong-field photodetachment of Ag^+ . Physical Review A, 2020, 102, .	1.0	5
2	Tracing the Gouy phase shift of focused, radially polarized THz pulses. , 2016, , .		0
3	Gouy phase shift of a tightly focused, radially polarized beam. Optica, 2016, 3, 35.	4.8	32
4	Radio-frequency-assisted electromagnetically induced transparency. Physical Review A, 2015, 92, .	1.0	12
5	Imaging of spatial many-body wave functions via linear momentum measurements. Physical Chemistry Chemical Physics, 2014, 16, 453-457.	1.3	12
6	Phase control and diagnostic of quantum mechanical superposition states. Physical Review A, 2013, 87, .	1.0	5
7	Profound Isotope Effect in Dissociation of Triatomic Hydrogen. Journal of Physical Chemistry A, 2013, 117, 9794-9799.	1.1	0
8	Quantitative analysis of the transient response of the refractive index to conditions of electromagnetically induced transparency. Physical Review A, 2012, 85, .	1.0	13
9	Modeling and control of entanglement dynamics in laser cooling of trapped atoms. Physical Review A, 2012, 85, .	1.0	4
10	Strong-field ionization of H^+ from ultraviolet to near-infrared wavelengths: Photoelectron energy and angular identifications. Physical Review A, 2011, 84, .	1.0	8
11	Nonponderomotive effects in multiphoton ionization of molecular hydrogen. Physical Review A, 2011, 83, .	1.0	1
12	Entanglement Dynamics of a Strongly Driven Trapped Atom. Physical Review Letters, 2011, 106, 040502.	2.9	20
13	Entanglement between internal and external degrees of freedom of a driven trapped atom. Physica Scripta, 2010, T140, 014034.	1.2	4
14	Momentum vector correlation maps for three-particle fragmentation of neutral triatomic hydrogen near its ionization threshold. Physical Review A, 2010, 82, .	1.0	7
15	Chemical sensing and imaging with pulsed terahertz radiation. Analytical and Bioanalytical Chemistry, 2010, 397, 1009-1017.	1.9	138
16	Dissipative light scattering by a trapped atom approaching electromagnetically-induced-transparency conditions. Physical Review A, 2010, 81, .	1.0	11
17	Stark Field Control of Nonadiabatic Dynamics in Triatomic Hydrogen. Physical Review Letters, 2010, 104, 103002.	2.9	11
18	Terahertz Near-Field Imaging of Electric and Magnetic Resonances in Plasmonic High Frequency Devices. , 2010, , .		0

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19	Terahertz near-field imaging of electric and magnetic resonances of a planar metamaterial. Optics Express, 2009, 17, 3826.	1.7	123
20	Lattice modes mediate radiative coupling in metamaterial arrays. Optics Express, 2009, 17, 22108.	1.7	105
21	Interactions and Dynamics in Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 4854-4858.	1.2	158
22	On the complex momentum spectra of photoelectrons formed from H ₂ in a strong laser field. Laser Physics, 2008, 18, 579-584.	0.6	4
23	Beam-Profiling and Wavefront-Sensing of THz Pulses at the Focus of a Substrate-Lens. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 476-481.	1.9	25
24	Trapped-atom cooling beyond the Lamb-Dicke limit using electromagnetically induced transparency. Physical Review A, 2008, 77, .	1.0	14
25	Nanostructured gold films as broadband terahertz antireflection coatings. Physical Review B, 2008, 77, .	1.1	144
26	Double-Electron Transfer in H ⁺ +H+Collisions. Physical Review Letters, 2007, 99, 173202.	2.9	8
27	Examination of the spatial and temporal field distributions of single-cycle terahertz pulses at a beam focus. Applied Physics Letters, 2007, 90, 071112.	1.5	13
28	Biosensing with T-ray spectroscopy. , 2007, , .		3
29	Chemical Recognition With Broadband THz Spectroscopy. Proceedings of the IEEE, 2007, 95, 1592-1604.	16.4	123
30	Picosecond Dynamics and Microheterogeneity of Water + Dioxane Mixtures. Journal of Physical Chemistry A, 2007, 111, 2043-2046.	1.1	29
31	Metal-insulator phase transition in aVO ₂ thin film observed with terahertz spectroscopy. Physical Review B, 2006, 74, .	1.1	298
32	Dielectric properties of oil/water complexes using terahertz transmission spectroscopy. Chemical Physics Letters, 2006, 421, 494-498.	1.2	70
33	Determination of the water content in petroleum products using terahertz transmission spectroscopy. , 2006, 6120, 145.		7
34	Modeling of the behavior of water and soot contaminated oils in the terahertz range. , 2006, , .		0
35	Wavelength dependence of double ionization of xenon in a strong laser field. Physical Review A, 2006, 73, .	1.0	13
36	Terahertz Study of Chiral and Racemic Crystals. , 2006, , .		2

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37	Microarray Biochips - Thousands of Reactions on a Small Chip (MOBA). , 2006, , 405-476.		0
38	Metal-Insulator Phase Transition in VO ₂ : A Look from the Far Infrared Side. Materials Research Society Symposia Proceedings, 2006, 935, 1.	0.1	0
39	T-ray spectroscopy of biomolecules: from chemical recognition toward biochip analysis – horizons and hurdles. , 2005, , .		2
40	Terahertz-Time-Domain-Spektroskopie mit einem leistungsoptimierten elektrooptischen Detektionsverfahren (Low-Power Terahertz Time-Domain Spectroscopy with Optimized Electro-optical) Tj ETQq0 0.0gBT /Overlock 10 T	0.1	0
41	Experimental and quantum-chemical studies on the three-particle fragmentation of neutral triatomic hydrogen. Physical Review A, 2005, 72, .	1.0	35
42	Experimental Study of Photodetachment in a Strong Laser Field of Circular Polarization. Physical Review Letters, 2005, 95, 263002.	2.9	54
43	Chemical recognition in terahertz time-domain spectroscopy and imaging. Semiconductor Science and Technology, 2005, 20, S246-S253.	1.0	245
44	Terahertz time-domain spectroscopy and imaging of artificial RNA. Optics Express, 2005, 13, 5205.	1.7	189
45	Maps of Nonadiabatic Coupling in Triatomic Hydrogen. Physical Review Letters, 2004, 92, 073002.	2.9	19
46	Nonadiabatic coupling and vector correlation in dissociation of triatomic hydrogen. Faraday Discussions, 2004, 127, 439-443.	1.6	4
47	ATI of complex systems: Ar and C 60. European Physical Journal D, 2003, 26, 83-90.	0.6	11
48	Dynamics of strong-field above-threshold ionization of argon: Comparison between experiment and theory. Physical Review A, 2003, 67, .	1.0	91
49	Two-slit interference in strong-field photodetachment of Hâ ⁺ . Journal of Modern Optics, 2003, 50, 461-470.	0.6	1
50	Strong-field photoionization of argon: A comparison between experiment and the SAE approximation. Journal of Modern Optics, 2003, 50, 451-459.	0.6	3
51	Detailed comparison of theory and experiment of strong-field photodetachment of the negative hydrogen ion. Physical Review A, 2003, 68, .	1.0	40
52	Production of Energetic Electrons in the Process of Photodetachment of Fâ ⁺ . Physical Review Letters, 2003, 90, 183001.	2.9	74
53	Two-slit interference in strong-field photodetachment of H â ⁺ . Journal of Modern Optics, 2003, 50, 461-470.	0.6	16
54	Collective vibrational modes in biological molecules investigated by terahertz time-domain spectroscopy. Biopolymers, 2002, 67, 310-313.	1.2	287

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55	Buffer-gas effects on dark resonances: Theory and experiment. <i>Physical Review A</i> , 2001, 63, .	1.0	113
56	Kinematically complete final state investigations of molecular photodissociation: two- and three-body decay of laser-prepared $H_3^+ s^2 A_1'$. <i>European Physical Journal D</i> , 2001, 17, 307-318.	0.6	21
57	Photodetachment of $H\tilde{a}^+$ in a Strong Infrared Laser Field. <i>Physical Review Letters</i> , 2001, 87, 243001.	2.9	84
58	Photopreparation of molecular hydrogen ions in intense laser fields. <i>Laser and Particle Beams</i> , 2000, 18, 443-448.	0.4	3
59	Far-infrared vibrational spectra of all-trans, 9-cis and 13-cis retinal measured by THz time-domain spectroscopy. <i>Chemical Physics Letters</i> , 2000, 332, 389-395.	1.2	303
60	Photoexcitation and predissociation intensities of the $\tilde{c}^2\tilde{a}^{\prime}u^+$ ($v=3$ and 4), $\tilde{c}^2\tilde{a}^{\prime}u$ ($v=3$ and 4), and $\tilde{b}^2\tilde{a}^{\prime}u^+$ ($v=10, 12, 13$, and 15) states of N_2 . <i>Journal of Chemical Physics</i> , 2000, 112, 4621-4633.	1.2	36
61	Power broadening and Doppler effects of coherent dark resonances in Rb. <i>Physical Review A</i> , 2000, 62, .	1.0	24
62	Ion-recoil momentum spectroscopy in a laser-cooled atomic sample. <i>Physical Review A</i> , 2000, 62, .	1.0	20
63	Terahertz pulse propagation in the near field and the far field. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 74.	0.8	69
64	Characterization and application of dichroic filters in the 0.1-3-THz region. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2000, 48, 744-749.	2.9	58
65	Subpicosecond time-resolved terahertz time-domain spectroscopy of transient carrier dynamics in semiconductors. , 1999, , .		1
66	Fragment Correlation in the Three-Body Breakup of Triatomic Hydrogen. <i>Physical Review Letters</i> , 1999, 83, 2718-2721.	2.9	56
67	Imaging of charged atomic reaction products: Inversion by a two-dimensional regularization method. <i>Journal of Chemical Physics</i> , 1999, 110, 11187-11196.	1.2	33
68	Rotational channel interactions of vibrationally excited n Rydberg states of the triatomic hydrogen molecule. <i>Physical Review A</i> , 1999, 60, 3929-3942.	1.0	9
69	Far Infrared Properties of Electro-Optic Crystals Measured by THz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1999, 20, 595-604.	0.6	175
70	Transmission features of frequency-selective components in the far infrared determined by terahertz time-domain spectroscopy. <i>Applied Optics</i> , 1999, 38, 3961.	2.1	53
71	Transmission characteristics of dichroic filters measured by THz time-domain spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, 593-598.	1.1	113
72	Channel switching in above-threshold ionization of xenon. <i>Physical Review A</i> , 1998, 57, 3692-3697.	1.0	81

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73	Ion-recoil energy measurement in photoionization of laser-cooled rubidium. <i>Physical Review A</i> , 1997, 56, R4385-R4388.	1.0	27
74	Electro-optic detection of THz radiation in LiTaO ₃ , LiNbO ₃ and ZnTe. <i>Applied Physics Letters</i> , 1997, 70, 3069-3071.	1.5	164
75	Photoelectron imaging spectrometry: Principle and inversion method. <i>Review of Scientific Instruments</i> , 1996, 67, 2257-2268.	0.6	189
76	Detection of THz pulses by phase retardation in lithium tantalate. <i>Physical Review E</i> , 1996, 53, R3052-R3054.	0.8	121
77	Unexpected product fine-structure distributions in (3+1)-photon ionization of xenon. <i>Physical Review A</i> , 1995, 51, 3726-3734.	1.0	17
78	Resonant and nonresonant multiphoton ionization of helium. <i>Physical Review A</i> , 1994, 49, 2726-2733.	1.0	32
79	Predissociation quantum yields of singlet nitrogen. <i>Physical Review A</i> , 1994, 50, 2930-2936.	1.0	39
80	Spatial anisotropy of the velocity of electrons emitted from a short-pulse laser focus. <i>Physical Review A</i> , 1994, 49, 1491-1493.	1.0	8
81	Resonantly enhanced four-photon ionization yield of Xe ⁺ (2P _{1/2}) and Xe ⁺ (2P _{3/2}) in a strong laser field. <i>Chemical Physics</i> , 1994, 179, 115-123.	0.9	3
82	Four-photon ionization dynamics of xenon. <i>European Physical Journal Special Topics</i> , 1994, 04, C4-647-C4-650.	0.2	0
83	Axicon amplification of a synchronously pumped subpicosecond dye laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993, 10, 1035.	0.9	5
84	Observation of electronically excited states of tetraoxygen. <i>Journal of Chemical Physics</i> , 1993, 98, 5444-5449.	1.2	22
85	Electric-field ionization of Rydberg states of H ₃ . <i>Physical Review A</i> , 1993, 47, 1209-1219.	1.0	18
86	Lifetimes and Rydberg-valence state mixing of the $\epsilon^{\text{TM}}\hat{\epsilon}g+1(v=4)$ and $\hat{u}1(v=4)$ states of N ₂ . <i>Physical Review A</i> , 1993, 48, 2762-2771.	1.0	40
87	Images of photoelectrons formed in intense laser fields. <i>Physical Review Letters</i> , 1993, 70, 3221-3224.	2.9	126
88	N(4S ₀), N(2D ₀), and N(2P ₀) yields in predissociation of excited singlet states of N ₂ . <i>Journal of Chemical Physics</i> , 1993, 99, 3553-3561.	1.2	68
89	Predissociation of Excited States of H ₃ . <i>NATO ASI Series Series B: Physics</i> , 1993, , 145-153.	0.2	1
90	Stark effect in triatomic hydrogen Rydberg states. <i>Physical Review A</i> , 1992, 45, 387-402.	1.0	21

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91	Surface analysis by photoionization of sputtered species with intense picosecond laser radiation. Applied Surface Science, 1991, 52, 151-157.	3.1	19
92	Predissociation of H ₃ near its ionization threshold induced by very weak electric fields. Physical Review A, 1991, 43, 3645-3652.	1.0	21
93	Simplification of photoelectron spectra of H ₂ in intense laser fields. Physical Review Letters, 1991, 67, 1234-1237.	2.9	33
94	Spectroscopy and multichannel quantum-defect theory analysis of the nP Rydberg series of H ₃ . Physical Review A, 1991, 44, 1817-1827.	1.0	43
95	Photofragment spectroscopy of HF ⁺ . Journal of Chemical Physics, 1991, 94, 92-105.	1.2	13
96	METASTABILITY AND RYDBERG STATES OF TRIATOMIC HYDROGEN. European Physical Journal Special Topics, 1991, 01, C7-513-C7-516.	0.2	0
97	f-electron Rydberg series of triatomic hydrogen. Physical Review A, 1990, 42, 6660-6669.	1.0	14
98	Spectroscopic study of the second 3 ¹ g state of H ₂ : A bound triplet state perturbed by a doubly excited state. Journal of Chemical Physics, 1990, 92, 2219-2228.	1.2	26
99	Measurement of the lifetime of metastable triatomic hydrogen. Journal of Chemical Physics, 1990, 93, 6303-6309.	1.2	31
100	Photoelectron spectroscopy of vibrationally excited H ₂ (E, F ¹ g+1). Physical Review A, 1989, 40, 7031-7038.	1.0	20
101	Product branching in predissociation of the e ¹ u, e ¹ g ⁺ , and b ¹ g ⁺ states of N ₂ . Journal of Chemical Physics, 1989, 90, 4208-4215.	1.2	60
102	Autoionizing nP Rydberg states of H ₂ . Physical Review A, 1989, 39, 3979-3991.	1.0	20
103	Vibrational autoionization in H ₃ and measurements of the symmetric-stretch frequency of the metastable 2pA ² state. Physical Review A, 1989, 39, 3721-3724.	1.0	15
104	Measurement of vibrational frequencies of the H ₃ molecule using two-step photoionization. Journal of Chemical Physics, 1989, 90, 5299-5308.	1.2	27
105	Observation of low-lying rydberg states of the triatomic hydrogen molecule. Chemical Physics Letters, 1989, 163, 425-431.	1.2	19
106	Photofragment spectroscopy of O ₂ : Excitation of the Schumann-Runge band system. Journal of Chemical Physics, 1989, 90, 1434-1439.	1.2	13
107	Experimental determination of the H ₃ ⁺ bond dissociation energy. Chemical Physics Letters, 1988, 152, 71-74.	1.2	46
108	Photodissociation of Triatomic Hydrogen. Physical Review Letters, 1988, 61, 298-301.	2.9	59

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109	Double-resonance study of predissociation of the $3\sigma^+$ state of H_2 . Physical Review A, 1988, 38, 3447-3455.	1.0	24
110	Photoionization of $N_2 E_g + 3$. Physical Review A, 1988, 38, 115-125.	1.0	10
111	Forced rotational autoionization of high-lying states of H_2 . Physical Review A, 1988, 38, 1666-1669.	1.0	18
112	Measurement of the ionization potential of triatomic hydrogen. Physical Review A, 1988, 38, 3425-3429.	1.0	50
113	Autoionization of H_2 Induced by a Doubly Excited Triplet State. Physical Review Letters, 1988, 60, 2465-2468.	2.9	25
114	Optical switching of a dc discharge using an excimer laser. Journal of Applied Physics, 1988, 63, 4849-4853.	1.1	2
115	Multiphoton ionization of vinylchloride, trifluoroethylene, and benzene at 193 nm. Journal of Chemical Physics, 1987, 87, 902-909.	1.2	17
116	Four-photon dissociation and ionization of H_2 . Physical Review A, 1987, 36, 5645-5653.	1.0	46
117	The $n=2,3$ triplet Rydberg states of the HD molecule observed by fast neutral Ar^+ beam photofragment spectroscopy. Journal of Chemical Physics, 1987, 86, 3050-3051.	1.2	6
118	Field ionization of high-lying states of H_2 . Physical Review Letters, 1987, 59, 1096-1099.	2.9	20
119	Photodissociation measurement of rovibrational energies and populations of molecules in fast beams. Journal of Chemical Physics, 1987, 86, 6813-6822.	1.2	49
120	High-resolution laser spectroscopy of H_2 in a fast beam. Chemical Physics Letters, 1987, 134, 361-365.	1.2	15
121	Dissociative decay of $n=3$ levels in H_2 . II. Excited by laser from the metastable $\text{Cl}^+ 3$ state of H_2 . Physical Review A, 1986, 34, 3855-3864.	1.0	51
122	Observation of high- n Rydberg series ($7 < n < 40$) of the H_3 molecule. Physical Review Letters, 1986, 56, 42-45.	2.9	60
123	Photoenhanced electron attachment of vinylchloride and trifluoroethylene at 193 nm. Applied Physics Letters, 1985, 47, 576-578.	1.5	30
124	Three-photon double-resonance spectroscopy of autoionizing Rydberg states in H_2 . Physical Review A, 1985, 31, 1206-1208.	1.0	38
125	Autoionizing Rydberg States in Triplet Molecular Hydrogen. Physical Review Letters, 1985, 55, 1575-1578.	2.9	27
126	KrF laser excitation of the $D(1/2) \rightarrow X(1/2)$ transition of XeF. Journal of Chemical Physics, 1984, 80, 1796-1800.	1.2	12

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127	Electron impact ionization of (N ₂) ₂ : Appearance energies of N ₃ ⁺ and N ₄ ⁺ . Journal of Chemical Physics, 1984, 80, 3185-3188.	1.2	30
128	Photofragment spectroscopy of shape resonances in OH ⁺ . Physical Review A, 1984, 30, 851-857.	1.0	35
129	Ab initio investigation of the 3 ⁺ states of NO ⁺ . Journal of Chemical Physics, 1984, 80, 2648-2653.	1.2	9
130	Fast Neutral-Beam Photofragment Spectroscopy of H ₂ C ⁺ . Physical Review Letters, 1984, 53, 1642-1645.	2.9	57
131	Bound-free spectroscopy of Cs ₂ ⁺ . Physical Review A, 1983, 27, 2493-2502.	1.0	23
132	Photofragment spectroscopy of N ₂ ²⁺ . Physical Review A, 1983, 28, 766-772.	1.0	101
133	Observation of the 1 ⁺ u ⁺ X ⁺ 2 ⁺ g ⁺ system in Cs ₂ ⁺ . Journal of Chemical Physics, 1983, 78, 6451-6454.	1.2	14
134	Observation of the C(3/2) → X(1/2) transition in XeF. Journal of Chemical Physics, 1983, 79, 3220-3226.	1.2	26
135	Field emission ion source of molecular cesium ions. Review of Scientific Instruments, 1983, 54, 837-840.	0.6	29
136	Rotationally adiabatic treatment of ⁺ doubling in CH ⁺ . Journal of Chemical Physics, 1982, 76, 2516-2523.	1.2	17
137	Photofragment spectroscopy of CH ⁺ : Laser excitation of shape resonances in the A ⁺ state. Physical Review A, 1982, 25, 304-321.	1.0	86
138	Double ionization of rare-gas dimers: NeKr ⁺ → NeKr ₂ ²⁺ . Physical Review A, 1982, 26, 2981-2982.	1.0	30
139	Optical "optical double resonance spectroscopy of molecular ions. Journal of Chemical Physics, 1982, 76, 4720-4724.	1.2	15
140	Laser photofragment spectroscopy of N ₂ ⁺ : Evidence for predissociation of B ⁺ 2 ⁺ u. Journal of Chemical Physics, 1982, 77, 5396-5405.	1.2	6
141	Transverse diffusion of Ar ⁺ and Ar ₂ ⁺ in Ar at 298K. Journal of Physics B: Atomic and Molecular Physics, 1981, 14, 1695-1705.	1.6	12
142	O ₂ (b ⁺ 1 ⁺ g ⁺ → X ⁺ 3 ⁺ g ⁺) emission following HO ₂ photodissociation by KrF laser photons. Chemical Physics Letters, 1981, 81, 537-540.	1.2	10
143	Molecular ion formation in decaying plasmas produced in pure argon and krypton. Journal of Chemical Physics, 1981, 74, 1728-1735.	1.2	20
144	Double ionization of van der Waals dimers: NeXe and ArXe. Journal of Chemical Physics, 1981, 74, 3844-3851.	1.2	81

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145	Laser photofragment spectroscopy of NO+. I. Predissociation of the $2\hat{\sigma}^3\hat{\sigma}^1$ state. Journal of Chemical Physics, 1981, 75, 3882-3893.	1.2	21
146	Plasma sampling - a versatile tool in plasma chemistry. Pure and Applied Chemistry, 1980, 52, 1739-1757.	0.9	15
147	Laser predissociation spectroscopy of the $\hat{\sigma}^4\hat{\sigma}^1$ state of O ₂ ⁺ . Journal of Chemical Physics, 1980, 73, 2629-2640.	1.2	32
148	Single and double ionization of nitrogen dioxide by electron impact from threshold up to 180 eV. Journal of Chemical Physics, 1980, 73, 303-308.	1.2	49
149	Mass spectrometric determination of partial electron impact ionization cross sections of He, Ne, Ar and Kr from threshold up to 180 eV. Journal of Chemical Physics, 1980, 73, 3763-3778.	1.2	248
150	Observation of predissociated levels of CH ⁺ . Astrophysical Journal, 1980, 235, 52.	1.6	42
151	Electron-impact ionization of Ar ₂ , ArKr, Kr ₂ , KrXe, and Xe ₂ . Physical Review A, 1979, 19, 2154-2160.	1.0	55
152	Investigation of ion-molecule reactions using a drift tube with separated ion source. International Journal of Mass Spectrometry and Ion Physics, 1979, 30, 251-261.	1.3	25
153	A second-order drift tube effect. Journal Physics D: Applied Physics, 1978, 11, 1049-1055.	1.3	4
154	Mobilities and reactions of diatomic rare-gas ions in their parent gases, helium, neon, argon and krypton. Journal of Physics B: Atomic and Molecular Physics, 1978, 11, 3939-3950.	1.6	19
155	On the conversion of atomic rare gas ions X ⁺ ($2P_{1/2}$) into rare gas dimer ions. Journal of Chemical Physics, 1978, 68, 5301-5302.	1.2	8
156	The cross section for symmetric charge exchange of He ⁺ in He at energies between 0.3 and 8 eV. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, 3683-3697.	1.6	70
157	The influence of fine-structure splitting on the mobility of atomic neon ions in neon. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, 983-991.	1.6	27
158	The mobility of Ar ⁺ ions in argon and the effect of spin-orbit coupling. Journal of Physics B: Atomic and Molecular Physics, 1977, 10, 3849-3851.	1.6	25
159	The mobilities of atomic krypton and xenon ions in the $2P_{1/2}$ and $2P_{3/2}$ state in their parent gas. Journal of Physics B: Atomic and Molecular Physics, 1976, 9, 2931-2943.	1.6	45
160	The mobilities and equilibrium reactions of helium ions in helium at 77K. Journal of Physics B: Atomic and Molecular Physics, 1976, 9, 1171-1189.	1.6	28
161	Formation of Xe ₃ ⁺ ions in xenon at temperatures between 210 and 293 K. Physical Review A, 1976, 14, 680-684.	1.0	41
162	The mobilities of Kr ⁺ ($2P$) and Kr ⁺ ($2P$) in krypton at 295 K. Chemical Physics Letters, 1975, 36, 97-99.	1.2	17

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163	A quantitative analysis of ion-molecule reactions occurring within the extraction orifice of a mass-spectrometric sampling probe. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1974, 7, 170-177.	1.6	13