Gereon Niedner-Schatteburg

List of Publications by Year in Descending Order

156 papers	4,218 citations	37 h-index	58 g-index
167 ext. papers	4,482 ext. citations	4.4 avg, IF	5.12 L-index

#	Paper	IF	Citations
156	Cryo infrared spectroscopy of N adsorption onto bimetallic rhodium-iron clusters in isolation.. *Journal of Chemical Physics*, **2022**, 156, 014302	3.9	2
155	Cryo kinetics of N adsorption onto bimetallic rhodium-iron clusters in isolation.. *Journal of Chemical Physics*, **2022**, 156, 054308	3.9	2
154	The overlooked NIR luminescence of Cr(ppy).. *Chemical Communications*, **2022**,	5.8	4
153	Size-Dependent Oxidative Stability of Silicon Nanoclusters Mixed with a Tantalum Atom. *Journal of Physical Chemistry C*, **2022**, 126, 4423-4432	3.8	1
152	Kinetics of stepwise nitrogen adsorption by size-selected iron cluster cations: Evidence for size-dependent nitrogen phobia.. *Journal of Chemical Physics*, **2021**, 155, 244306	3.9	1
151	On the Hydrogen Oxalate Binding Motifs onto Dinuclear Cu and Ag Metal Phosphine Complexes. *Chemistry - A European Journal*, **2021**, 27, 15136-15146	4.8	0
150	Cryo spectroscopy of N on cationic iron clusters.. *Journal of Chemical Physics*, **2021**, 155, 244305	3.9	3
149	Advancing Inorganic Coordination Chemistry by Spectroscopy of Isolated Molecules: Methods and Applications. *Chemistry - A European Journal*, **2021**, 27, 15027-15042	4.8	1
148	Strongly Red-Emissive Molecular Ruby [Cr(bpmp)] Surpasses [Ru(bpy)]. *Journal of the American Chemical Society*, **2021**, 143, 11843-11855	16.4	17
147	Transient FTIR spectroscopy after one- and two-colour excitation on a highly luminescent chromium(III) complex. *Physical Chemistry Chemical Physics*, **2021**, 23, 13808-13818	3.6	6
146	Ultrafast and long-time excited state kinetics of an NIR-emissive vanadium(iii) complex I: synthesis, spectroscopy and static quantum chemistry. *Chemical Science*, **2021**, 12, 10780-10790	9.4	13
145	A Cyclometalated NHC Iridium Complex Bearing a Cationic (η⁵-Cyclopentadienyl)(η⁴-phenyl)iron Backbone*. *Chemistry - A European Journal*, **2021**, 27, 15208-15216	4.8	0
144	NIR-Emissive Chromium(0), Molybdenum(0), and Tungsten(0) Complexes in the Solid State at Room Temperature. *Chemistry - A European Journal*, **2021**, 27, 12959-12964	4.8	7
143	A gas-phase study on the cyclometallation of a series of Cp*Ir(III) complexes bearing bidentate pyrimidine ligands. *Journal of Organometallic Chemistry*, **2021**, 954-955, 122063	2.3	0
142	Observation and mechanism of cryo N cleavage by a tantalum cluster. *Physical Chemistry Chemical Physics*, **2021**, 23, 11345-11354	3.6	13
141	Complexes of Platinum Group Elements Containing the Intrinsically Chiral Cyclopentadienide Ligand (CpC)[1]. *Organometallics*, **2020**, 39, 1934-1944	3.8	3
140	Generation of a zinc and rhodium containing metallomacrocycle by rearrangement of a six-coordinate precursor complex. *Chemical Communications*, **2020**, 56, 368-371	5.8	3

139	Electronic Properties of a Cationic Triphenylphosphine Ligand Decorated with a (η5-C5H5)Fe Group in Late-Transition-Metal Complexes. *Organometallics*, **2020**, 39, 3335-3343	3.8	2
138	Photoinitiated Charge Transfer in a Triangular Silver(I) Hydride Complex and Its Oxophilicity. *Chemistry - A European Journal*, **2019**, 25, 11176	4.8	2
137	Cryo trapping by FT-MS for kinetics and spectroscopy **2019**, 593-621		2
136	Photoinitiated Charge Transfer in a Triangular Silver(I) Hydride Complex and Its Oxophilicity. *Chemistry - A European Journal*, **2019**, 25, 11269-11284	4.8	3
135	Reply to the 'Comment on "Magnetostructural correlations in isolated trinuclear iron(iii) oxo acetate complexes"' by M. Antkowiak, G. Kamieniarz and W. Florek, Phys. Chem. Chem. Phys., 2018, 20, DOI: 10.1039/C8CP04691C. *Physical Chemistry Chemical Physics*, **2018**, 21, 505-506	3.6	0
134	Characterization of Trinuclear Oxo Bridged Cobalt Complexes in Isolation. *Zeitschrift Fur Physikalische Chemie*, **2018**, 232, 649-669	3.1	2
133	A Phosphino-Carboxylic Acid-Based Ru Dimeric Complex. *European Journal of Inorganic Chemistry*, **2018**, 2018, 1394-1398	2.3	
132	Gas-Phase Ion Chemistry of Metalloporphyrin Anions with Molecular Oxygen: Probing the Influence of the Oxidation and Spin State of the Central Transition Metal by Experiment and Theory. *Journal of Physical Chemistry A*, **2018**, 122, 4357-4365	2.8	7
131	Cryo IR Spectroscopy of N and H on Ru: The Effect of N on the H-Migration. *Journal of Physical Chemistry Letters*, **2018**, 9, 914-918	6.4	25
130	Roll-over cyclometalation: A versatile tool to enhance the catalytic activity of transition metal complexes. *Journal of Organometallic Chemistry*, **2018**, 863, 30-43	2.3	23
129	Long-Term Monitoring of the Internal Energy Distribution of Isolated Cluster Systems. *Physical Review Letters*, **2018**, 120, 253001	7.4	9
128	Magnetostructural correlation in isolated trinuclear iron(iii) oxo acetate complexes. *Physical Chemistry Chemical Physics*, **2018**, 20, 16673-16685	3.6	9
127	Infrared Spectroscopic Investigation of Structures and N2 Adsorption Induced Relaxations of Isolated Rhodium Clusters. *Topics in Catalysis*, **2018**, 61, 106-118	2.3	21
126	Cryo Kinetics and Spectroscopy of Cationic Nickel Clusters: Rough and Smooth Surfaces. *Journal of Physical Chemistry C*, **2017**, 121, 10907-10918	3.8	16
125	Gas-phase reactivity of Cp* group IX metal complexes bearing aromatic N,N?-chelating ligands. *New Journal of Chemistry*, **2017**, 41, 6995-7006	3.6	11
124	Exploring the Gas-Phase Activation and Reactivity of a Ruthenium Transfer Hydrogenation Catalyst by Experiment and Theory in Concert. *Journal of Physical Chemistry A*, **2017**, 121, 4422-4434	2.8	9
123	A direct access to heterobimetallic complexes by roll-over cyclometallation. *Chemical Communications*, **2017**, 53, 12016-12019	5.8	11
122	Cryo IR Spectroscopy of [Hemin] Complexes in Isolation. *Journal of Physical Chemistry A*, **2017**, 121, 7191-7196	2.8	11

121	Cyclopalladation in the Periphery of a NHC Ligand as the Crucial Step in the Synthesis of Highly Active Suzuki-Miyaura Cross-Coupling Catalysts. *Chemistry - A European Journal*, **2017**, 23, 14563-14575	4.8	17
120	Probing cluster surface morphology by cryo kinetics of N on cationic nickel clusters. *Journal of Chemical Physics*, **2017**, 147, 184304	3.9	13
119	Vibrational fingerprints of a tetranuclear cobalt carbonyl cluster within a cryo tandem ion trap. *Journal of Molecular Spectroscopy*, **2017**, 332, 103-108	1.3	14
118	Mechanistic Studies on Ruthenium(II)-Catalyzed Base-Free Transfer Hydrogenation Triggered by Roll-Over Cyclometalation. *ChemPlusChem*, **2017**, 82, 212-224	2.8	14
117	Probing cluster surface morphology by cryo spectroscopy of N on cationic nickel clusters. *Journal of Chemical Physics*, **2017**, 147, 184305	3.9	23
116	Vibrational blue shift of coordinated N in [FeO(OAc)(N)]: "non-classical" dinitrogen complexes. *Chemical Communications*, **2016**, 53, 420-423	5.8	10
115	Self-pairing of 1-methylthymine mediated by two and three Ag(I) ions: a gas phase study using infrared dissociation spectroscopy and density functional theory. *Physical Chemistry Chemical Physics*, **2016**, 18, 8491-501	3.6	5
114	Cooperative Effects in Clusters and Oligonuclear Complexes of Transition Metals in Isolation. *Structure and Bonding*, **2016**, 1-40	0.9	3
113	Intermetallic Competition in the Fragmentation of Trimetallic Au-Zn-Alkali Complexes. *Chemistry - A European Journal*, **2016**, 22, 2345-55	4.8	5
112	New cationic organometallic phosphane ligands and their coordination to gold(I). *Journal of Organometallic Chemistry*, **2016**, 810, 51-56	2.3	5
111	Reprint of: New cationic organometallic phosphane ligands and their coordination to gold(I). *Journal of Organometallic Chemistry*, **2016**, 821, 130-135	2.3	
110	The spin and orbital contributions to the total magnetic moments of free Fe, Co, and Ni clusters. *Journal of Chemical Physics*, **2015**, 143, 104302	3.9	42
109	Orbit and spin resolved magnetic properties of size selected [ConRh]+ and [ConAu]+ nanoalloy clusters. *Physical Chemistry Chemical Physics*, **2015**, 17, 28372-8	3.6	12
108	Bimetallic Cu/Pd Catalysts with Bridging Aminopyrimidinyl Phosphines for Decarboxylative Cross-Coupling Reactions at Moderate Temperature. *ChemCatChem*, **2015**, 7, 3579-3588	5.2	15
107	Multistate-Mediated Rearrangements and FeCl2 Elimination in Dinuclear FePd Complexes. *Journal of Physical Chemistry A*, **2015**, 119, 12587-98	2.8	8
106	An ion source platform of the cryogenic storage ring (CSR). *Journal of Physics: Conference Series*, **2015**, 635, 112061	0.3	
105	Laser-induced delayed electron emission of Co_4^- anions. *Journal of Physics: Conference Series*, **2015**, 635, 112054	0.3	
104	P,C-bond cleavage in the ligand sphere of a nickel(II) complex. *Dalton Transactions*, **2015**, 44, 1317-22	4.3	2

103	Infrared spectroscopy of N2 adsorption on size selected cobalt cluster cations in isolation. *Physical Chemistry Chemical Physics*, **2015**, 17, 10358-62	3.6	40
102	Two-color delay dependent IR probing of torsional isomerization in a [AgL□]+ complex. *Physical Chemistry Chemical Physics*, **2014**, 16, 17417-21	3.6	11
101	Atomic and electronic structure of free niobium nanoclusters: Simulation of the M4,5-XANES spectrum of Nb13+. *Journal of Electron Spectroscopy and Related Phenomena*, **2014**, 195, 189-194	1.7	6
100	Mono- vs. Dinuclear Gold-Catalyzed Intermolecular Hydroamidation. *European Journal of Organic Chemistry*, **2014**, 2014, 4515-4522	3.2	12
99	Supermolecular morphology of polypropylene filled with nanosized silica. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	10
98	A Novel Bifunctional Ligand for the Synthesis of Polynuclear Alkynyl Complexes. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2014**, 69, 1290-1298	1	
97	C□H Activation at a Ruthenium(II) Complex □The Key Step for a Base-Free Catalytic Transfer Hydrogenation?. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4305-4317	2.3	42
96	Structure-reactivity relationships in the hydrogenation of carbon dioxide with ruthenium complexes bearing pyridinylazolato ligands. *Chemistry - A European Journal*, **2013**, 19, 7825-34	4.8	29
95	Trinuclear nickel-lanthanide compounds. *Dalton Transactions*, **2013**, 42, 2445-50	4.3	12
94	Inverse H/D isotope effects in benzene activation by cationic and anionic cobalt clusters. *Journal of Physical Chemistry A*, **2013**, 117, 1197-203	2.8	10
93	Photoinduced Processes in Cobalt-Complexes: Condensed Phase and Gas Phase. *EPJ Web of Conferences*, **2013**, 41, 05045	0.3	
92	Investigation by two-color IR dissociation spectroscopy of Hoogsteen-type binding in a metalated nucleobase pair mimic. *Physical Chemistry Chemical Physics*, **2013**, 15, 8171-8	3.6	47
91	Heterobimetallic cuprates consisting of a redox-switchable, silicon-based metalloligand: synthesis, structures, and electronic properties. *Chemistry - A European Journal*, **2013**, 19, 8436-46	4.8	23
90	Benzene activation and H/D isotope effects in reactions of mixed cobalt platinum clusters: The influence of charge and of composition. *International Journal of Mass Spectrometry*, **2012**, 330-332, 271-276	1.9	3
89	Energy transfer and photoactivity of photozymes included in polyacrylate hydrogels. *Journal of Applied Polymer Science*, **2012**, 125, 3721-3729	2.9	4
88	From a Dy(III) single molecule magnet (SMM) to a ferromagnetic [Mn(II)Dy(III)Mn(II)] trinuclear complex. *Inorganic Chemistry*, **2012**, 51, 9589-97	5.1	105
87	Spin and orbital magnetic moments of free nanoparticles. *Physical Review Letters*, **2011**, 107, 233401	7.4	80
86	Mechanistic investigation of the Ru-catalyzed hydroamidation of terminal alkynes. *Journal of the American Chemical Society*, **2011**, 133, 7428-49	16.4	63

85	X-ray absorption spectroscopy of mass-selected transition metal clusters using a cyclotron ion trap: An experimental setup for measuring XMCD spectra of free clusters. *Journal of Electron Spectroscopy and Related Phenomena*, **2011**, 184, 113-118	1.7	18
84	The Interaction of the Dipeptide Carnosine With Alkali Metal Ions Studied by Ion Trap Mass Spectrometry. *Zeitschrift Fur Physikalische Chemie*, **2011**, 225, 595-609	3.1	11
83	Reactive Sigma-Aryliron Complexes or Iron-Promoted Coupling of Two Phenyl Anions to One Bis(cyclohexadienylidene) Ligand: Synthesis, Structure, Mass Spectrometry, and DFT Calculations. *Organometallics*, **2010**, 29, 806-813	3.8	26
82	Chiral transformation in protonated and deprotonated adipic acids through multistep internal proton transfer. *Chemistry - A European Journal*, **2010**, 16, 10373-9	4.8	1
81	Time-resolved photoelectron nano-spectroscopy of individual silver particles: Perspectives and limitations. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 1132-1138	1.3	13
80	Infrared multiphoton electron detachment spectroscopy of C762□ *Journal of Chemical Physics*, **2009**, 131, 124306	3.9	10
79	Reactions of simple aromatic heterocycles with niobium cluster ions (n Journal of Chemical Physics, **2009**, 131, 194305	3.9	11
78	Infrared spectroscopy and ab initio theory of isolated H5O2+: from buckets of water to the Schrödinger equation and back. *Angewandte Chemie - International Edition*, **2008**, 47, 1008-11	16.4	31
77	A Practical and Effective Ruthenium Trichloride-Based Protocol for the Regio- and Stereoselective Catalytic Hydroamidation of Terminal Alkynes. *Advanced Synthesis and Catalysis*, **2008**, 350, 2701-2707	5.6	43
76	Infrarotspektroskopie und Ab-initio-Theorie des isolierten H5O2+: vom Eimer Wasser zur Schrödinger-Gleichung und zurück. *Angewandte Chemie*, **2008**, 120, 1024-1027	3.6	5
75	Proton Energy Loss Spectroscopy as a State-to-State Probe of Molecular Dynamics. *Advances in Chemical Physics*, **2007**, 553-647		27
74	Infrared spectrum of NH4+(H2O): evidence for mode specific fragmentation. *Journal of Chemical Physics*, **2007**, 126, 074307	3.9	57
73	Enrichment of integral membrane proteins from small amounts of brain tissue. *Journal of Neural Transmission*, **2006**, 113, 995-1013	4.3	32
72	On the contentious sequence and glycosylation motif of the ribosome inactivating plant protein gelonin. *Biochemical and Biophysical Research Communications*, **2005**, 333, 984-9	3.4	12
71	The spectroscopic signature of the "all-surface" to "internally solvated" structural transition in water clusters in the n = 17-21 size regime. *Journal of Chemical Physics*, **2005**, 122, 194310	3.9	75
70	Ab initio study of [Mg,nH2O]□ reactive decay products: structure and stability of magnesium oxide and magnesium hydroxide water cluster anions [MgO,(n □1)H2O]□ [HMgOH,(n □1)H2O]□ and [Mg(OH)2,(n □2)H2O]□ *Physical Chemistry Chemical Physics*, **2004**, 6, 4268-4275	3.6	6
69	Reductive Nitrile Coupling in Niobium□Acetonitrile Complexes Probed by Free Electron Laser IR Multiphoton Dissociation Spectroscopy. *Journal of Physical Chemistry A*, **2004**, 108, 3350-3355	2.8	44
68	Ab initio treatment of magnesium water cluster anions [Mg,nH2O]□n □1. *Physical Chemistry Chemical Physics*, **2003**, 5, 1970-1980	3.6	11

67	Ionization energies and spatial volumes of the singly occupied molecular orbital in hydrated magnesium clusters [Mg,nH2O]+. *Journal of Chemical Physics*, **2003**, 118, 3571-3582	3.9	49
66	H2 Elimination from Hydrated Aluminum Clusters: Acid–Base Reaction Mediated by Intracluster Proton Transfer. *Journal of Physical Chemistry A*, **2002**, 106, 7988-7992	2.8	37
65	Co-existence of hydrated electron and metal di-cation in [Mg(H2O)n]+. *Physical Chemistry Chemical Physics*, **2002**, 4, 1471-1477	3.6	55
64	Corroding the chromium cation. *Molecular Physics*, **2001**, 99, 699-702	1.7	15
63	Infrared spectra and isomeric structures of hydroxide ion-water clusters OH- (H2O)1-5: a comparison with H3O (H2O)1-5. *Molecular Physics*, **2001**, 99, 1161-1173	1.7	83
62	9 Solvated metal ions and ion clusters, and the effect of ligands upon their reactivity. *Advances in Metal and Semiconductor Clusters*, **2001**, 295-324		8
61	Methane activation by platinum cluster ions in the gas phase: effects of cluster charge on the Pt4 tetramer. *Chemical Physics Letters*, **2000**, 320, 53-58	2.5	124
60	Reactions of homonuclear and heteronuclear group Vb clusters with ethylene: evidence for structural isomers. *Chemical Physics*, **2000**, 262, 143-149	2.3	42
59	Infrared Spectra of H+(H2O)5-8 Clusters: Evidence for Symmetric Proton Hydration. *Journal of the American Chemical Society*, **2000**, 122, 1398-1410	16.4	309
58	Precipitation Reactions in Water Clusters. *Journal of Physical Chemistry A*, **2000**, 104, 1147-1151	2.8	37
57	FT-ICR Studies of Solvation Effects in Ionic Water Cluster Reactions. *Chemical Reviews*, **2000**, 100, 4059-4[illegible]68	8.1	136
56	Black Body Fragmentation of Ionized Water Clusters and Hydrated Ions **2000**, 323-338		
55	Reactions on the Surface of and Inside Ionized Water Nanodroplets **2000**, 351-363		
54	A Case Study on Molecular Clusters and Atmospheric Aerosols: Chlorine Nitrate Hydrolysis **2000**, 389-391		1
53	Trihydrogen cation solvated by rare gas atoms: RgnH3+. *Journal of Chemical Physics*, **1999**, 110, 11950-11957	3.9	18
52	Diffusion of hydrogen in rare gas solids: neutral H atoms and H+ protons. *Low Temperature Physics*, **1999**, 25, 814-817	0.7	15
51	Proton Transfer Processes in Water Clusters. *Israel Journal of Chemistry*, **1999**, 39, 213-219	3.4	15
50	The [Re, O8]+ potential energy surface: fourier transform ion cyclotron resonance collision induced dissociation studies and density functional calculations. *International Journal of Mass Spectrometry*, **1999**, 185-187, 625-638	1.9	11

49	Size Dependence of Blackbody Radiation Induced Hydrogen Formation in Al+(H2O)n Hydrated Aluminum Cations and Their Reactivity with Hydrogen Chloride. *Journal of Physical Chemistry A*, **1999**, 103, 671-678	2.8	53
48	Proton solvated by noble-gas atoms: simplest case of a solvated ion. *Physical Chemistry Chemical Physics*, **1999**, 1, 2213-2221	3.6	42
47	The Platinum Hydrido-Methyl Complex: A Frozen Reaction Intermediate?. *Journal of Physical Chemistry A*, **1999**, 103, 8200-8206	2.8	55
46	Generation of hydrated iodide clusters I(H2O)n by laser vaporization, their fragmentation and reactions with HCl. *Chemical Physics Letters*, **1998**, 291, 459-464	2.5	20
45	Stability and reactivity of hydrated magnesium cations. *Chemical Physics*, **1998**, 239, 379-392	2.3	92
44	Acid–Base Catalyzed Reactions in Ionic Water Clusters. *Journal of the American Chemical Society*, **1998**, 120, 1876-1882	16.4	33
43	Effect of charge upon metal cluster chemistry: Reactions of Nbn and Rhn anions and cations with benzene. *Journal of Chemical Physics*, **1998**, 108, 5398-5403	3.9	61
42	Dinitrogen and Carbon Dioxide Fixation by Transition Metal Oxo Complexes. *Journal of the American Chemical Society*, **1997**, 119, 1466-1467	16.4	19
41	Chemistry and charge transfer phenomena in water cluster cations. *International Journal of Mass Spectrometry and Ion Processes*, **1997**, 167-168, 723-734		60
40	Methane activation by rhodium cluster argon complexes. *Chemical Physics Letters*, **1997**, 268, 235-241	2.5	77
39	Fragmentation and Intracluster Reactions of Hydrated Aluminum Cations Al+(H2O)n, n = 3–50. *Journal of the American Chemical Society*, **1996**, 118, 7386-7389	16.4	94
38	Protonated water clusters and their black body radiation induced fragmentation. *Chemical Physics Letters*, **1996**, 250, 301-308	2.5	133
37	Heterogeneously catalyzed hydrolysis of chlorine nitrate: Fourier-transform ion cyclotron resonance investigations of stratospheric chemistry. *Journal of Chemical Physics*, **1996**, 104, 3998-4004	3.9	39
36	Reactions of benzene with rhodium cluster cations: Competition between chemisorption and physisorption. *Journal of Chemical Physics*, **1996**, 104, 7940-7946	3.9	36
35	Reactions of simple hydrocarbons with Nb+n: Chemisorption and physisorption on ionized niobium clusters. *Journal of Chemical Physics*, **1995**, 102, 4870-4884	3.9	185
34	Identification, Structure, and Vibrational Assignment of the NO Dimer Cation. *The Journal of Physical Chemistry*, **1995**, 99, 872-874		37
33	Reactions of Anionic Water Clusters X-(H2O)n, n = 1-50, X = OH and O, with Hydrochloric Acid. *The Journal of Physical Chemistry*, **1995**, 99, 12434-12443		39
32	Dehydrogenation of Xylene Isomers on Niobium Cluster Cations Nbn+ (n = 2-26). *The Journal of Physical Chemistry*, **1995**, 99, 15497-15501		22

31	Guided Ion Beam Studies of Scattering Dynamics and Energy Disposal: The CD3+ + C2H6 and the CD3+ + C3H8 Case. *The Journal of Physical Chemistry*, **1995**, 99, 15587-15594		15
30	Reactions of water clusters H+(H2O)n, n = 3□5, with diethyl ether. *Chemical Physics*, **1995**, 201, 491-496	2.3	12
29	FT-ICR Studies of the Reaction of O+ with Methanol. *The Journal of Physical Chemistry*, **1994**, 98, 4316-4319		6
28	Solvation of hydrochloric acid in protonated water clusters. *Chemical Physics Letters*, **1994**, 229, 57-64	2.5	51
27	Evidence for catalytic formation of benzene from ethylene on tungsten ions. *Chemical Physics Letters*, **1994**, 231, 139-143	2.5	33
26	Inelastic scattering of He2+ from □= 1 vibrationally excited HF molecules. *International Journal of Mass Spectrometry and Ion Processes*, **1994**, 135, 39-46		
25	Generation and gas-phase reactivity of CoGa+. *Journal of Organometallic Chemistry*, **1994**, 475, 247-256	2.3	9
24	Vibrationally resolved inelastic scattering and charge transfer in H+□2H4 collisions. *Journal of Chemical Physics*, **1993**, 99, 2682-2694	3.9	6
23	The nonresonant two-photon zero kinetic energy photoelectron spectrum from the electronic ground state of H2S. *Journal of Chemical Physics*, **1993**, 98, 3592-3599	3.9	34
22	Gas-phase reactivity of sulphur ions with ammonia. *Journal of Chemical Physics*, **1993**, 99, 9664-9669	3.9	6
21	Resonance enhancement effects in coherent two-photon ionization of CH3I. *Journal of Chemical Physics*, **1993**, 99, 733-736	3.9	29
20	The non-resonant two-photon zero kinetic energy photoelectron spectrum of CS2. *Chemical Physics Letters*, **1993**, 202, 542-548	2.5	51
19	Use of isotopic labeling in establishing reaction mechanisms: CD+3 + C2H6. *Chemical Physics Letters*, **1993**, 216, 465-470	2.5	5
18	High resolution photoelectron spectra of the NO dimer. *Journal of Chemical Physics*, **1992**, 96, 7171-7174	3.9	66
17	The nonresonant-two-photon zero kinetic energy photoelectron spectrum out of the 2□1/2 electronic ground state of nitric oxide. *Journal of Chemical Physics*, **1992**, 97, 2332-2337	3.9	31
16	Gas-Phase Reactivity of Sulphur Cluster Cations and Anions by FT-ICR Investigations. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1992**, 96, 1114-1120		31
15	Sulphur cations and their gas-phase reactivity: An FT-ICR investigation. *Chemical Physics Letters*, **1991**, 187, 60-66	2.5	14
14	Vibrationally resolved inelastic scattering and charge transfer in H+ +C2H2 collisions. *Journal of Chemical Physics*, **1991**, 95, 7969-7983	3.9	17

13	A quantum-mechanical study of charge transfer steric factors for the three isotopic systems: H+ + H2, D2, HD. *Chemical Physics Letters*, **1990**, 167, 269-272	2.5	9
12	A three-dimensional quantum mechanical study of vibrationally resolved charge transfer processes in H++H2 at Ecm=20 eV. *Journal of Chemical Physics*, **1989**, 91, 4169-4182	3.9	104
11	A comparison between theoretical and experimental state-to-state charge transfer cross sections for H++H2 at 20 eV: Evidence for quantum effects. *Journal of Chemical Physics*, **1988**, 88, 1461-1463	3.9	27
10	Charge transfer and structured vibrational distributions in H++CH4 low-energy collisions. *Journal of Chemical Physics*, **1988**, 88, 6814-6830	3.9	43
9	A comparative study of rotational energy transfer in H+collisions with HF and CO2molecules. *Journal of Physics B: Atomic and Molecular Physics*, **1987**, 20, 3725-3735		17
8	Vibrationally resolved inelastic and charge transfer scattering of H+ by H2O. *Journal of Chemical Physics*, **1987**, 87, 5256-5265	3.9	35
7	Dynamics of H+ + Kr and H+ + Xe elastic and charge-transfer collisions: State-selected differential cross sections at low collision energies. *Physical Review A*, **1987**, 36, 1063-1072	2.6	12
6	Vibronic energy distribution of H2O+ produced in charge transfer scattering of D+ by H2O. *Journal of Chemical Physics*, **1987**, 87, 1447-1448	3.9	11
5	Selective vibrational excitation and mode conservation in H++CO2/N2O inelastic and charge transfer collisions. *Journal of Chemical Physics*, **1987**, 87, 2067-2083	3.9	27
4	Observation of vibrationally resolved charge transfer in H++H2 at ECM=20 eV. *Journal of Chemical Physics*, **1987**, 87, 2685-2694	3.9	78
3	Potential energy curves for the (ArH)+ and (NeH)+ systems from the interplay of theory and experiments. *Zeitschrift F□ Physik D-Atoms Molecules and Clusters*, **1987**, 7, 281-288		19
2	H++Xe low-energy collisions: Opposite-phase oscillations of the elastic and charge transfer differential cross sections. *Zeitschrift F□ Physik D-Atoms Molecules and Clusters*, **1987**, 6, 49-53		4
1	Cryokinetics and spin quenching in the N2 adsorption onto rhodium cluster cations. *Molecular Physics*,e1953172	1.7	4