

Gereon Niedner-Schatteburg

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156
papers

4,218
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h-index

58
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167
ext. papers

4,482
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
156	Infrared Spectra of H+(H ₂ O) ₅₋₈ Clusters: Evidence for Symmetric Proton Hydration. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1398-1410	16.4	309
155	Reactions of simple hydrocarbons with Nb+n: Chemisorption and physisorption on ionized niobium clusters. <i>Journal of Chemical Physics</i> , 1995 , 102, 4870-4884	3.9	185
154	FT-ICR Studies of Solvation Effects in Ionic Water Cluster Reactions. <i>Chemical Reviews</i> , 2000 , 100, 4059-4681	16.1	136
153	Protonated water clusters and their black body radiation induced fragmentation. <i>Chemical Physics Letters</i> , 1996 , 250, 301-308	2.5	133
152	Methane activation by platinum cluster ions in the gas phase: effects of cluster charge on the Pt ₄ tetramer. <i>Chemical Physics Letters</i> , 2000 , 320, 53-58	2.5	124
151	From a Dy(III) single molecule magnet (SMM) to a ferromagnetic [Mn(II)Dy(III)Mn(II)] trinuclear complex. <i>Inorganic Chemistry</i> , 2012 , 51, 9589-97	5.1	105
150	A three-dimensional quantum mechanical study of vibrationally resolved charge transfer processes in H ⁺⁺ H ₂ at E _{cm} =20 eV. <i>Journal of Chemical Physics</i> , 1989 , 91, 4169-4182	3.9	104
149	Fragmentation and Intracuster Reactions of Hydrated Aluminum Cations Al+(H ₂ O) _n , n = 3-50. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7386-7389	16.4	94
148	Stability and reactivity of hydrated magnesium cations. <i>Chemical Physics</i> , 1998 , 239, 379-392	2.3	92
147	Infrared spectra and isomeric structures of hydroxide ion-water clusters OH ⁻ (H ₂ O) ₁₋₅ : a comparison with H ₃ O ⁺ (H ₂ O) ₁₋₅ . <i>Molecular Physics</i> , 2001 , 99, 1161-1173	1.7	83
146	Spin and orbital magnetic moments of free nanoparticles. <i>Physical Review Letters</i> , 2011 , 107, 233401	7.4	80
145	Observation of vibrationally resolved charge transfer in H ⁺⁺ H ₂ at ECM=20 eV. <i>Journal of Chemical Physics</i> , 1987 , 87, 2685-2694	3.9	78
144	Methane activation by rhodium cluster argon complexes. <i>Chemical Physics Letters</i> , 1997 , 268, 235-241	2.5	77
143	The spectroscopic signature of the "all-surface" to "internally solvated" structural transition in water clusters in the n = 17-21 size regime. <i>Journal of Chemical Physics</i> , 2005 , 122, 194310	3.9	75
142	High resolution photoelectron spectra of the NO dimer. <i>Journal of Chemical Physics</i> , 1992 , 96, 7171-7174	3.9	66
141	Mechanistic investigation of the Ru-catalyzed hydroamidation of terminal alkynes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7428-49	16.4	63
140	Effect of charge upon metal cluster chemistry: Reactions of N _n and R _n anions and cations with benzene. <i>Journal of Chemical Physics</i> , 1998 , 108, 5398-5403	3.9	61

139	Chemistry and charge transfer phenomena in water cluster cations. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997 , 167-168, 723-734		60
138	Infrared spectrum of $\text{NH}_4^+(\text{H}_2\text{O})$: evidence for mode specific fragmentation. <i>Journal of Chemical Physics</i> , 2007 , 126, 074307	3.9	57
137	Co-existence of hydrated electron and metal di-cation in $[\text{Mg}(\text{H}_2\text{O})_n]^+$. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 1471-1477	3.6	55
136	The Platinum Hydrido-Methyl Complex: A Frozen Reaction Intermediate?. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 8200-8206	2.8	55
135	Size Dependence of Blackbody Radiation Induced Hydrogen Formation in $\text{Al}^+(\text{H}_2\text{O})_n$ Hydrated Aluminum Cations and Their Reactivity with Hydrogen Chloride. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 671-678	2.8	53
134	Solvation of hydrochloric acid in protonated water clusters. <i>Chemical Physics Letters</i> , 1994 , 229, 57-64	2.5	51
133	The non-resonant two-photon zero kinetic energy photoelectron spectrum of CS_2 . <i>Chemical Physics Letters</i> , 1993 , 202, 542-548	2.5	51
132	Ionization energies and spatial volumes of the singly occupied molecular orbital in hydrated magnesium clusters $[\text{Mg}_n\text{H}_2\text{O}]^+$. <i>Journal of Chemical Physics</i> , 2003 , 118, 3571-3582	3.9	49
131	Investigation by two-color IR dissociation spectroscopy of Hoogsteen-type binding in a metalated nucleobase pair mimic. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8171-8	3.6	47
130	Reductive Nitrile Coupling in Niobium-Acetonitrile Complexes Probed by Free Electron Laser IR Multiphoton Dissociation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 3350-3355	2.8	44
129	A Practical and Effective Ruthenium Trichloride-Based Protocol for the Regio- and Stereoselective Catalytic Hydroamidation of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2701-2707	5.6	43
128	Charge transfer and structured vibrational distributions in H^++CH_4 low-energy collisions. <i>Journal of Chemical Physics</i> , 1988 , 88, 6814-6830	3.9	43
127	The spin and orbital contributions to the total magnetic moments of free Fe, Co, and Ni clusters. <i>Journal of Chemical Physics</i> , 2015 , 143, 104302	3.9	42
126	C_6H_6 Activation at a Ruthenium(II) Complex – The Key Step for a Base-Free Catalytic Transfer Hydrogenation?. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4305-4317	2.3	42
125	Reactions of homonuclear and heteronuclear group Vb clusters with ethylene: evidence for structural isomers. <i>Chemical Physics</i> , 2000 , 262, 143-149	2.3	42
124	Proton solvated by noble-gas atoms: simplest case of a solvated ion. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 2213-2221	3.6	42
123	Infrared spectroscopy of N_2 adsorption on size selected cobalt cluster cations in isolation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10358-62	3.6	40
122	Reactions of Anionic Water Clusters $\text{X}^-(\text{H}_2\text{O})_n$, $n = 1-50$, $\text{X} = \text{OH}$ and O , with Hydrochloric Acid. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 12434-12443		39

121	Heterogeneously catalyzed hydrolysis of chlorine nitrate: Fourier-transform ion cyclotron resonance investigations of stratospheric chemistry. <i>Journal of Chemical Physics</i> , 1996 , 104, 3998-4004	3.9	39
120	H ₂ Elimination from Hydrated Aluminum Clusters: Acid-Base Reaction Mediated by Intracuster Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 7988-7992	2.8	37
119	Precipitation Reactions in Water Clusters. <i>Journal of Physical Chemistry A</i> , 2000 , 104, 1147-1151	2.8	37
118	Identification, Structure, and Vibrational Assignment of the NO Dimer Cation. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 872-874		37
117	Reactions of benzene with rhodium cluster cations: Competition between chemisorption and physisorption. <i>Journal of Chemical Physics</i> , 1996 , 104, 7940-7946	3.9	36
116	Vibrationally resolved inelastic and charge transfer scattering of H ⁺ by H ₂ O. <i>Journal of Chemical Physics</i> , 1987 , 87, 5256-5265	3.9	35
115	The nonresonant two-photon zero kinetic energy photoelectron spectrum from the electronic ground state of H ₂ S. <i>Journal of Chemical Physics</i> , 1993 , 98, 3592-3599	3.9	34
114	Acid-Base Catalyzed Reactions in Ionic Water Clusters. <i>Journal of the American Chemical Society</i> , 1998 , 120, 1876-1882	16.4	33
113	Evidence for catalytic formation of benzene from ethylene on tungsten ions. <i>Chemical Physics Letters</i> , 1994 , 231, 139-143	2.5	33
112	Enrichment of integral membrane proteins from small amounts of brain tissue. <i>Journal of Neural Transmission</i> , 2006 , 113, 995-1013	4.3	32
111	Infrared spectroscopy and ab initio theory of isolated H ₂ O ₂ ⁺ : from buckets of water to the Schrödinger equation and back. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1008-11	16.4	31
110	The nonresonant-two-photon zero kinetic energy photoelectron spectrum out of the 2π/2 electronic ground state of nitric oxide. <i>Journal of Chemical Physics</i> , 1992 , 97, 2332-2337	3.9	31
109	Gas-Phase Reactivity of Sulphur Cluster Cations and Anions by FT-ICR Investigations. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1992 , 96, 1114-1120		31
108	Structure-reactivity relationships in the hydrogenation of carbon dioxide with ruthenium complexes bearing pyridinylazolato ligands. <i>Chemistry - A European Journal</i> , 2013 , 19, 7825-34	4.8	29
107	Resonance enhancement effects in coherent two-photon ionization of CH ₃ I. <i>Journal of Chemical Physics</i> , 1993 , 99, 733-736	3.9	29
106	Proton Energy Loss Spectroscopy as a State-to-State Probe of Molecular Dynamics. <i>Advances in Chemical Physics</i> , 2007 , 553-647		27
105	Selective vibrational excitation and mode conservation in H ⁺ +CO ₂ /N ₂ O inelastic and charge transfer collisions. <i>Journal of Chemical Physics</i> , 1987 , 87, 2067-2083	3.9	27
104	A comparison between theoretical and experimental state-to-state charge transfer cross sections for H ⁺ +H ₂ at 20 eV: Evidence for quantum effects. <i>Journal of Chemical Physics</i> , 1988 , 88, 1461-1463	3.9	27

103	Reactive Sigma-Aryliron Complexes or Iron-Promoted Coupling of Two Phenyl Anions to One Bis(cyclohexadienylidene) Ligand: Synthesis, Structure, Mass Spectrometry, and DFT Calculations. <i>Organometallics</i> , 2010 , 29, 806-813	3.8	26
102	Cryo IR Spectroscopy of N and H on Ru: The Effect of N on the H-Migration. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 914-918	6.4	25
101	Roll-over cyclometalation: A versatile tool to enhance the catalytic activity of transition metal complexes. <i>Journal of Organometallic Chemistry</i> , 2018 , 863, 30-43	2.3	23
100	Probing cluster surface morphology by cryo spectroscopy of N on cationic nickel clusters. <i>Journal of Chemical Physics</i> , 2017 , 147, 184305	3.9	23
99	Heterobimetallic cuprates consisting of a redox-switchable, silicon-based metalloligand: synthesis, structures, and electronic properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 8436-46	4.8	23
98	Dehydrogenation of Xylene Isomers on Niobium Cluster Cations Nb_n^+ ($n = 2-26$). <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15497-15501		22
97	Infrared Spectroscopic Investigation of Structures and N_2 Adsorption Induced Relaxations of Isolated Rhodium Clusters. <i>Topics in Catalysis</i> , 2018 , 61, 106-118	2.3	21
96	Generation of hydrated iodide clusters $I(H_2O)_n$ by laser vaporization, their fragmentation and reactions with HCl. <i>Chemical Physics Letters</i> , 1998 , 291, 459-464	2.5	20
95	Dinitrogen and Carbon Dioxide Fixation by Transition Metal Oxo Complexes. <i>Journal of the American Chemical Society</i> , 1997 , 119, 1466-1467	16.4	19
94	Potential energy curves for the $(ArH)^+$ and $(NeH)^+$ systems from the interplay of theory and experiments. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1987 , 7, 281-288		19
93	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. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011 , 184, 113-118	1.7	18
92	Trihydrogen cation solvated by rare gas atoms: $RgnH_3^+$. <i>Journal of Chemical Physics</i> , 1999 , 110, 11950-11957	3.9	18
91	Cyclopalladation in the Periphery of a NHC Ligand as the Crucial Step in the Synthesis of Highly Active Suzuki-Miyaura Cross-Coupling Catalysts. <i>Chemistry - A European Journal</i> , 2017 , 23, 14563-14575	4.8	17
90	Vibrationally resolved inelastic scattering and charge transfer in $H^+ + C_2H_2$ collisions. <i>Journal of Chemical Physics</i> , 1991 , 95, 7969-7983	3.9	17
89	A comparative study of rotational energy transfer in H^+ collisions with HF and CO_2 molecules. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987 , 20, 3725-3735		17
88	Strongly Red-Emissive Molecular Ruby $[Cr(bpmp)]$ Surpasses $[Ru(bpy)]$. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11843-11855	16.4	17
87	Cryo Kinetics and Spectroscopy of Cationic Nickel Clusters: Rough and Smooth Surfaces. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10907-10918	3.8	16
86	Bimetallic Cu/Pd Catalysts with Bridging Aminopyrimidinyl Phosphines for Decarboxylative Cross-Coupling Reactions at Moderate Temperature. <i>ChemCatChem</i> , 2015 , 7, 3579-3588	5.2	15

85	Corroding the chromium cation. <i>Molecular Physics</i> , 2001 , 99, 699-702	1.7	15
84	Diffusion of hydrogen in rare gas solids: neutral H atoms and H ⁺ protons. <i>Low Temperature Physics</i> , 1999 , 25, 814-817	0.7	15
83	Proton Transfer Processes in Water Clusters. <i>Israel Journal of Chemistry</i> , 1999 , 39, 213-219	3.4	15
82	Guided Ion Beam Studies of Scattering Dynamics and Energy Disposal: The CD ₃ ⁺ + C ₂ H ₆ and the CD ₃ ⁺ + C ₃ H ₈ Case. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15587-15594		15
81	Vibrational fingerprints of a tetranuclear cobalt carbonyl cluster within a cryo tandem ion trap. <i>Journal of Molecular Spectroscopy</i> , 2017 , 332, 103-108	1.3	14
80	Mechanistic Studies on Ruthenium(II)-Catalyzed Base-Free Transfer Hydrogenation Triggered by Roll-Over Cyclometalation. <i>ChemPlusChem</i> , 2017 , 82, 212-224	2.8	14
79	Sulphur cations and their gas-phase reactivity: An FT-ICR investigation. <i>Chemical Physics Letters</i> , 1991 , 187, 60-66	2.5	14
78	Probing cluster surface morphology by cryo kinetics of N on cationic nickel clusters. <i>Journal of Chemical Physics</i> , 2017 , 147, 184304	3.9	13
77	Time-resolved photoelectron nano-spectroscopy of individual silver particles: Perspectives and limitations. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 1132-1138	1.3	13
76	Ultrafast and long-time excited state kinetics of an NIR-emissive vanadium(iii) complex I: synthesis, spectroscopy and static quantum chemistry. <i>Chemical Science</i> , 2021 , 12, 10780-10790	9.4	13
75	Observation and mechanism of cryo N cleavage by a tantalum cluster. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 11345-11354	3.6	13
74	Orbit and spin resolved magnetic properties of size selected [ConRh] ⁺ and [ConAu] ⁺ nanoalloy clusters. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 28372-8	3.6	12
73	Mono- vs. Dinuclear Gold-Catalyzed Intermolecular Hydroamidation. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 4515-4522	3.2	12
72	Trinuclear nickel-lanthanide compounds. <i>Dalton Transactions</i> , 2013 , 42, 2445-50	4.3	12
71	On the contentious sequence and glycosylation motif of the ribosome inactivating plant protein gelonin. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 333, 984-9	3.4	12
70	Reactions of water clusters H ⁺ (H ₂ O) _n , n = 3-5, with diethyl ether. <i>Chemical Physics</i> , 1995 , 201, 491-496	2.3	12
69	Dynamics of H ⁺ + Kr and H ⁺ + Xe elastic and charge-transfer collisions: State-selected differential cross sections at low collision energies. <i>Physical Review A</i> , 1987 , 36, 1063-1072	2.6	12
68	Gas-phase reactivity of Cp* group IX metal complexes bearing aromatic N,N'-chelating ligands. <i>New Journal of Chemistry</i> , 2017 , 41, 6995-7006	3.6	11

67	A direct access to heterobimetallic complexes by roll-over cyclometallation. <i>Chemical Communications</i> , 2017 , 53, 12016-12019	5.8	11
66	Two-color delay dependent IR probing of torsional isomerization in a [AgL ₂] ⁺ complex. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17417-21	3.6	11
65	Cryo IR Spectroscopy of [Hemin] Complexes in Isolation. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 7191-7196	7.96	11
64	Reactions of simple aromatic heterocycles with niobium cluster ions (n Journal of Chemical Physics, 2009 , 131, 194305	3.9	11
63	The Interaction of the Dipeptide Carnosine With Alkali Metal Ions Studied by Ion Trap Mass Spectrometry. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011 , 225, 595-609	3.1	11
62	Ab initio treatment of magnesium water cluster anions [Mg _n H ₂ O] ⁻ n = 1. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 1970-1980	3.6	11
61	The [Re, O ₈] ⁺ potential energy surface: fourier transform ion cyclotron resonance collision induced dissociation studies and density functional calculations. <i>International Journal of Mass Spectrometry</i> , 1999 , 185-187, 625-638	1.9	11
60	Vibronic energy distribution of H ₂ O ⁺ produced in charge transfer scattering of D ⁺ by H ₂ O. <i>Journal of Chemical Physics</i> , 1987 , 87, 1447-1448	3.9	11
59	Vibrational blue shift of coordinated N in [FeO(OAc)(N)]: "non-classical" dinitrogen complexes. <i>Chemical Communications</i> , 2016 , 53, 420-423	5.8	10
58	Supramolecular morphology of polypropylene filled with nanosized silica. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	10
57	Inverse H/D isotope effects in benzene activation by cationic and anionic cobalt clusters. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1197-203	2.8	10
56	Infrared multiphoton electron detachment spectroscopy of C ₇ H ₆ ⁺ . <i>Journal of Chemical Physics</i> , 2009 , 131, 124306	3.9	10
55	Exploring the Gas-Phase Activation and Reactivity of a Ruthenium Transfer Hydrogenation Catalyst by Experiment and Theory in Concert. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 4422-4434	2.8	9
54	Long-Term Monitoring of the Internal Energy Distribution of Isolated Cluster Systems. <i>Physical Review Letters</i> , 2018 , 120, 253001	7.4	9
53	Magnetostructural correlation in isolated trinuclear iron(iii) oxo acetate complexes. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 16673-16685	3.6	9
52	Generation and gas-phase reactivity of CoGa ⁺ . <i>Journal of Organometallic Chemistry</i> , 1994 , 475, 247-256	2.3	9
51	A quantum-mechanical study of charge transfer steric factors for the three isotopic systems: H ⁺ + H ₂ , D ₂ , HD. <i>Chemical Physics Letters</i> , 1990 , 167, 269-272	2.5	9
50	Multistate-Mediated Rearrangements and FeCl ₂ Elimination in Dinuclear FePd Complexes. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 12587-98	2.8	8

49	9 Solvated metal ions and ion clusters, and the effect of ligands upon their reactivity. <i>Advances in Metal and Semiconductor Clusters</i> , 2001 , 295-324		8
48	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. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4357-4365	2.8	7
47	NIR-Emissive Chromium(0), Molybdenum(0), and Tungsten(0) Complexes in the Solid State at Room Temperature. <i>Chemistry - A European Journal</i> , 2021 , 27, 12959-12964	4.8	7
46	Atomic and electronic structure of free niobium nanoclusters: Simulation of the M4,5-XANES spectrum of Nb ₁₃ ⁺ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014 , 195, 189-194	1.7	6
45	Ab initio study of [Mg, _n H ₂ O] ⁻ reactive decay products: structure and stability of magnesium oxide and magnesium hydroxide water cluster anions [MgO, _(n-1) H ₂ O] ⁻ [HMgOH, _(n-1) H ₂ O] ⁻ and [Mg(OH) ₂ , _(n-2) H ₂ O] ⁻ <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4268-4275	3.6	6
44	Vibrationally resolved inelastic scattering and charge transfer in H ⁺ +C ₂ H ₄ collisions. <i>Journal of Chemical Physics</i> , 1993 , 99, 2682-2694	3.9	6
43	Gas-phase reactivity of sulphur ions with ammonia. <i>Journal of Chemical Physics</i> , 1993 , 99, 9664-9669	3.9	6
42	FT-ICR Studies of the Reaction of O ⁺ with Methanol. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 4316-4319		6
41	Transient FTIR spectroscopy after one- and two-colour excitation on a highly luminescent chromium(III) complex. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 13808-13818	3.6	6
40	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. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8491-501	3.6	5
39	Intermetallic Competition in the Fragmentation of Trimetallic Au-Zn-Alkali Complexes. <i>Chemistry - A European Journal</i> , 2016 , 22, 2345-55	4.8	5
38	New cationic organometallic phosphane ligands and their coordination to gold(I). <i>Journal of Organometallic Chemistry</i> , 2016 , 810, 51-56	2.3	5
37	Infrarotspektroskopie und Ab-initio-Theorie des isolierten H ₅ O ₂ ⁺ : vom Eimer Wasser zur Schrödinger-Gleichung und zurück. <i>Angewandte Chemie</i> , 2008 , 120, 1024-1027	3.6	5
36	Use of isotopic labeling in establishing reaction mechanisms: CD ₃ + C ₂ H ₆ . <i>Chemical Physics Letters</i> , 1993 , 216, 465-470	2.5	5
35	Energy transfer and photoactivity of photozymes included in polyacrylate hydrogels. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 3721-3729	2.9	4
34	H ⁺ +Xe low-energy collisions: Opposite-phase oscillations of the elastic and charge transfer differential cross sections. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1987 , 6, 49-53		4
33	Cryokinetics and spin quenching in the N ₂ adsorption onto rhodium cluster cations. <i>Molecular Physics</i> , 1953 , 172	1.7	4
32	The overlooked NIR luminescence of Cr(ppp).. <i>Chemical Communications</i> , 2022 ,	5.8	4

31	Photoinitiated Charge Transfer in a Triangular Silver(I) Hydride Complex and Its Oxophilicity. <i>Chemistry - A European Journal</i> , 2019 , 25, 11269-11284	4.8	3
30	Complexes of Platinum Group Elements Containing the Intrinsically Chiral Cyclopentadienide Ligand (CpC)†. <i>Organometallics</i> , 2020 , 39, 1934-1944	3.8	3
29	Cooperative Effects in Clusters and Oligonuclear Complexes of Transition Metals in Isolation. <i>Structure and Bonding</i> , 2016 , 1-40	0.9	3
28	Benzene activation and H/D isotope effects in reactions of mixed cobalt platinum clusters: The influence of charge and of composition. <i>International Journal of Mass Spectrometry</i> , 2012 , 330-332, 271-276	1.0	3
27	Cryo spectroscopy of N on cationic iron clusters.. <i>Journal of Chemical Physics</i> , 2021 , 155, 244305	3.9	3
26	Generation of a zinc and rhodium containing metallomacrocycle by rearrangement of a six-coordinate precursor complex. <i>Chemical Communications</i> , 2020 , 56, 368-371	5.8	3
25	Photoinitiated Charge Transfer in a Triangular Silver(I) Hydride Complex and Its Oxophilicity. <i>Chemistry - A European Journal</i> , 2019 , 25, 11176	4.8	2
24	Cryo trapping by FT-MS for kinetics and spectroscopy 2019 , 593-621		2
23	Characterization of Trinuclear Oxo Bridged Cobalt Complexes in Isolation. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 649-669	3.1	2
22	P,C-bond cleavage in the ligand sphere of a nickel(II) complex. <i>Dalton Transactions</i> , 2015 , 44, 1317-22	4.3	2
21	Cryo infrared spectroscopy of N adsorption onto bimetallic rhodium-iron clusters in isolation.. <i>Journal of Chemical Physics</i> , 2022 , 156, 014302	3.9	2
20	Cryo kinetics of N adsorption onto bimetallic rhodium-iron clusters in isolation.. <i>Journal of Chemical Physics</i> , 2022 , 156, 054308	3.9	2
19	Electronic Properties of a Cationic Triphenylphosphine Ligand Decorated with a (β-C5H5)Fe Group in Late-Transition-Metal Complexes. <i>Organometallics</i> , 2020 , 39, 3335-3343	3.8	2
18	Chiral transformation in protonated and deprotonated adipic acids through multistep internal proton transfer. <i>Chemistry - A European Journal</i> , 2010 , 16, 10373-9	4.8	1
17	Kinetics of stepwise nitrogen adsorption by size-selected iron cluster cations: Evidence for size-dependent nitrogen phobia.. <i>Journal of Chemical Physics</i> , 2021 , 155, 244306	3.9	1
16	Advancing Inorganic Coordination Chemistry by Spectroscopy of Isolated Molecules: Methods and Applications. <i>Chemistry - A European Journal</i> , 2021 , 27, 15027-15042	4.8	1
15	A Case Study on Molecular Clusters and Atmospheric Aerosols: Chlorine Nitrate Hydrolysis 2000 , 389-391		1
14	Size-Dependent Oxidative Stability of Silicon Nanoclusters Mixed with a Tantalum Atom. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4423-4432	3.8	1

13	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. <i>Physical Chemistry Chemical Physics</i> , 2018 , 21, 505-506	3.6	o
12	On the Hydrogen Oxalate Binding Motifs onto Dinuclear Cu and Ag Metal Phosphine Complexes. <i>Chemistry - A European Journal</i> , 2021 , 27, 15136-15146	4.8	o
11	A Cyclometalated NHC Iridium Complex Bearing a Cationic (η^5 -Cyclopentadienyl)(η^5 -phenyl)iron Backbone*. <i>Chemistry - A European Journal</i> , 2021 , 27, 15208-15216	4.8	o
10	A gas-phase study on the cyclometallation of a series of Cp*Ir(III) complexes bearing bidentate pyrimidine ligands. <i>Journal of Organometallic Chemistry</i> , 2021 , 954-955, 122063	2.3	o
9	A Phosphino-Carboxylic Acid-Based Ru Dimeric Complex. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1394-1398	2.3	
8	An ion source platform of the cryogenic storage ring (CSR). <i>Journal of Physics: Conference Series</i> , 2015 , 635, 112061	0.3	
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6	Photoinduced Processes in Cobalt-Complexes: Condensed Phase and Gas Phase. <i>EPJ Web of Conferences</i> , 2013 , 41, 05045	0.3	
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1	Reprint of: New cationic organometallic phosphane ligands and their coordination to gold(I). <i>Journal of Organometallic Chemistry</i> , 2016 , 821, 130-135	2.3	