

Tetsuo Asaji

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular motion of imidazolium cations and phase transitions in (ImH) ₂ KCo(CN) ₆ with double perovskite structure. Chemical Physics Letters, 2022, 798, 139631.	2.6	0
2	Molecular Motion of Azetidinium Ion and Phase Transition in [(CH ₂) ₃ NH ₂] ₂ KCo(CN) ₆ with Double Perovskite Structure. Bulletin of the Chemical Society of Japan, 2021, 94, 1659-1663.	3.2	4
3	³⁵ Cl NQR Relaxation of the Molecular Ferroelectric 5,6-Dichloro-2-Methylbenzimidazole with Hydrogen-Bonded Molecular Chain. Crystals, 2020, 10, 56.	2.2	0
4	Motional freedom of dimethylammonium ions in a cyanoelpasolite, [(CH ₃) ₂ NH ₂] ₂ KCo(CN) ₆ , which exhibits phase transition associated with a distinct change in dielectric property. Physical Chemistry Chemical Physics, 2020, 22, 9301-9307.	2.8	3
5	Ring-Puckering Motion of Azetidinium Cations in a Metal-Organic Perovskite [(CH ₃) ₂ NH ₂] ₂ [M(HCOO) ₃] (M = Zn, Mg) – A Thermal and ¹ H NMR Relaxation Study. Journal of Physical Chemistry C, 2019, 123, 4291-4298.	3.1	6
6	Reorientation of diprotonated DABCO (1,4-Diazabicyclo[2.2.2]octane) cation and proton transfer in organic ferroelectric adduct DABCO-2(2-Chlorobenzoic acid). Journal of Molecular Structure, 2018, 1159, 174-178.	3.6	5
7	Glassy behavior in a metal-organic perovskite, dimethylammonium zinc formate [(CH ₃) ₂ NH ₂][Zn(HCOO) ₃]. Solid State Communications, 2018, 284-286, 31-34.	1.9	4
8	Reorientation of DABCO (1,4-diazabicyclo[2.2.2]octane) in halogen-bonded molecular complex DABCO-2(C ₆ F ₅ I). Journal of Molecular Structure, 2018, 1169, 81-84.	3.6	5
9	³⁵ Cl NQR study of deuteration effect on proton dynamics in chlorobenzoic acid. Journal of Molecular Structure, 2017, 1147, 289-291.	3.6	1
10	On RF-Pulse-Phase Dependence of Nuclear Quadrupole Resonance Signal Under Short-Repetition-Time Pulse Sequences. Applied Magnetic Resonance, 2016, 47, 1047-1055.	1.2	3
11	² H NMR study of phase transition and hydrogen dynamics in hydrogen bonded organic antiferroelectric 55DMBP-H ₂ ca. Hyperfine Interactions, 2016, 237, 1.	0.5	1
12	NQR application to the study of hydrogen dynamics in hydrogen-bonded molecular dimers. Hyperfine Interactions, 2016, 237, 1.	0.5	2
13	Dynamics of TEMPOL Radicals in TPP 1D Nanochannels and Different Molecular Orientation from Other TEMPO Derivatives. Chemistry Letters, 2015, 44, 893-895.	1.3	3
14	Proton dynamics in the hydrogen bonds of 4-amino-3,5-dihalogenobenzoic acid. Chemical Physics, 2015, 457, 32-36.	1.9	5
15	Phase transition and cationic motion in the perovskite formate framework [(CH ₃) ₂ NH ₂][Mg(HCOO) ₃]. Journal of Molecular Structure, 2014, 1076, 719-723.	3.6	30
16	Halogen Bond as Controlling the Crystal Structure of 4-Amino-3,5-Dihalogenobenzoic Acid and Its Effect on the Positional Ordering/Disordering of Acid Protons. Crystal Growth and Design, 2014, 14, 6189-6196.	3.0	13
17	NQR investigation and characterization of cocrystals and crystal polymorphs. Hyperfine Interactions, 2013, 222, 1-13.	0.5	9
18	Isotope effect on the temperature dependence of the ³⁵ Cl NQR frequency in (NH ₄) ₂ RuCl ₆ . Journal of Molecular Structure, 2013, 1043, 1-6.	3.6	2

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19	Phase Transition and Cationic Motion in a Metal-Organic Perovskite, Dimethylammonium Zinc Formate $[(CH_3)_2NH][Zn(HCOO)_3]$. Journal of Physical Chemistry C, 2013, 117, 10185-10190.	3.1	56
20	Isotope ratio of Cl NQR spin-lattice relaxation times in 1D hydrogen-bonding system of tetramethylpyrazine-chloranilic acid at high temperatures. Hyperfine Interactions, 2013, 222, 15-18.	0.5	2
21	Phase Transition and Ring-Puckering Motion in a Metal-Organic Perovskite $[(CH_3)_2NH][Zn(HCOO)_3]$. Journal of Physical Chemistry A, 2012, 116, 12422-12428.	2.5	23
22	Temperature dependence of one-dimensional hydrogen bonding in morpholinium hydrogen chloranilate studied by ^{35}Cl nuclear quadrupole resonance and multi-temperature X-ray diffraction. Physical Chemistry Chemical Physics, 2012, 14, 12347.	2.8	12
23	Protonic motion in one-dimensional hydrogen-bonded molecular crystal $[4,6-dmpH][Hca]$ as revealed by ^{35}Cl NQR. Thermochimica Acta, 2012, 532, 176-178.	2.7	0
24	Isotope ratio of Cl NQR spin-lattice relaxation times in 1D hydrogen-bonding system of tetramethylpyrazine-chloranilic acid at high temperatures. , 2012, , 259-262.		0
25	A ^{14}N nuclear quadrupole resonance study of phase transitions and molecular dynamics in hydrogen bonded organic antiferroelectrics $55DMBP \cdot H_2ca$ and $1,5-NPD \cdot H_2ca$. Physical Chemistry Chemical Physics, 2011, 13, 9165.	2.8	10
26	Nuclear quadrupole spin-lattice relaxation in $Bi_4Ge_3O_{12}$ single crystals doped with atoms of d or f elements. Crystal field effects in compounds exhibiting anomalous magnetic properties. Journal of Experimental and Theoretical Physics, 2010, 110, 296-300.	0.9	3
27	Proton dynamics in one-dimensional hydrogen-bonding system in molecular co-crystals TMP-D2ca and DMP-H2ca. Hyperfine Interactions, 2010, 197, 269-274.	0.5	4
28	Phase transition and proton exchange in 1,3-diazinium hydrogen chloranilate monohydrate. Hyperfine Interactions, 2010, 198, 85-91.	0.5	6
29	Anomalous magnetism and ^{209}Bi nuclear spin relaxation in $Bi_4Ge_3O_{12}$ crystals. Hyperfine Interactions, 2010, 197, 65-70.	0.5	3
30	Correlation between proton transfer and ^{35}Cl NQR frequency as well as molecular geometry of chloranilic acid in co-crystals with some organic bases. Magnetic Resonance in Chemistry, 2010, 48, 531-536.	1.9	9
31	Preparation and Characterization of New Inclusion Compounds Using Stable Nitroxide Radicals and an Organic 1-D Nanochannel as a Template. Materials, 2010, 3, 3625-3641.	2.9	13
32	Hydrogen bonding in 1,2-diazine-chloranilic acid ($2:1$) studied by a ^{14}N nuclear quadrupole coupling tensor and multi-temperature X-ray diffraction. Physical Chemistry Chemical Physics, 2009, 11, 2281.	2.8	37
33	Phase transition and temperature dependent electronic state of an organic ferroelectric, phenazine-chloranilic acid ($1:1$). Journal of Physics Condensed Matter, 2007, 19, 226203.	1.8	26
34	Phase transition of pyridinium tetrachloroiodate(III), $PyHClI_4$, studied by a single crystal X-ray analysis and dielectric and heat capacity measurements. Journal of Molecular Structure, 2007, 826, 24-28.	3.6	18
35	High-temperature protonic motion and low-temperature lattice deformation in one-dimensional hydrogen-bonded molecular chain in tetramethylpyrazine-chloranilic acid ($1:1$). Hyperfine Interactions, 2007, 179, 1-7.	0.5	21
36	^{35}Cl NQR of an organic ferroelectric phenazine chloranilic acid co-crystal. Journal of Molecular Structure, 2006, 791, 89-92.	3.6	9

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37	Successive phase transitions of [(PyO)(H/D)][AuCl ₄] (PyO=C ₅ H ₅ NO). Solid State Communications, 2006, 137, 488-491.	1.9	0
38	Temperature Dependence of the Reorientational Potential and NMR Second Moment in (PyH)AuBr ₄ . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 736-738.	1.5	0
39	Calorimetric and single crystal X-ray study of the phase transition of (PyH)2PdCl ₄ . Journal of Physics and Chemistry of Solids, 2005, 66, 869-875.	4.0	6
40	Phase Transition and Orientational Disorder of the Cation in [(PyO)(H/D)][AuCl ₄] (PyO = C ₅ H ₅ NO) Crystal. Hyperfine Interactions, 2005, 159, 103-108.	0.5	1
41	Structural and magnetic phase transitions in (Chloroanilinium)2CuX ₄ (X = Cl, Br). Applied Magnetic Resonance, 2004, 27, 197-205.	1.2	2
42	Salts of tetrachloroauric acid with pyridine N-oxide having various base/acid ratios of 1/1, 4/3, 3/2 and 2/1: crystal structures, 35Cl NQR and phase transitions. Polyhedron, 2004, 23, 1605-1611.	2.2	9
43	Bromine-adsorption behavior of a one-dimensional bromine-bridged mixed-valence palladium (II), (IV) complex, [Pd(chxn)2][PdBr2(chxn)2]Br ₄ . Solid State Communications, 2003, 125, 171-173.	1.9	2
44	Change in Electronic Structure of the ICl ₄ ²⁻ Anion in NH ₄ ICl ₂ Crystals due to an Excitation of Reorientational Motion of the Ammonium Ion. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 327-332.	1.5	2
45	1H, 2H and 13C NMR Studies of Cation Dynamics in a Layered Perovskite-Type Incommensurate Compound (n-C ₃ H ₇ NH ₃)2CdCl ₄ . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 451-455.	1.5	3
46	Hydrogen Isotope Effect on the Temperature Dependence of the 35Cl-NQR Frequency in (NH ₄)2IrCl ₆ . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2002, 57, 504-508.	1.5	4
47	On the crystal structures of some protonic complexes of oxo-ligands with tetrachloroauric acid, [(RO)nH][AuCl ₄] (R: Py, Ph ₃ As; n: 1, 2), prepared from deuterated and non-deuterated solvent systems. Polyhedron, 2002, 21, 2207-2213.	2.2	10
48	Effect of Deuteration on Ammonium Motion and Structural Phase Transition Studied by Nuclear Quadrupole Resonance. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2000, 55, 83-89.	1.5	5
49	35Cl NQR in Glassy Crystal of 2-chlorothiophene. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2000, 55, 183-185.	1.5	8
50	Chlorine-35 NQR Study of a Structural Phase Transition in (ND ₄)2PdCl ₆ . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 514-517.	1.5	3
51	NMR & NQR and DTA & DSC Studies of Phase Transitions in Pyridinium Tetrachloropalladate(II) and Pyridinium Tetrachloroplatinate(II). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1998, 53, 419-426.	1.5	10
52	NQR and NMR Studies of Phase Transitions in R ₂ Pb[Cu(NO ₂) ₆] (R =) Tj ETQq0 0 0 rgBT /Overloc Sciences, 1996, 51, 721-725.	1.5	3
53	Successive Phase Transitions in Potassium Hexachloroselenate(IV) Revealed by 35Cl NQR. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1996, 51, 705-709.	1.5	1
54	One-dimensional spin dynamics in a halogen-bridged mixed-valence palladium (II), (IV) complex studied by 1H NMR. Chemical Physics Letters, 1993, 210, 78-83.	2.6	12

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55	Chlorine Nuclear Quadrupole Relaxation and Cationic Motion in Trimethylsulfonium Hexachloroselenate(IV): $[(CH_3)_3S]_2SeCl_6$. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 274-276.	1.5	1
56	Uniaxial Reorientation of Octahedral Complex Anions Excited in Triethylammonium Hexachlorostannate (IV) Crystals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 283-287.	1.5	2
57	Reorientational Motion of Hydrogen Bonded Octahedral Complex Anions in Hydrazinium Hexachlorostannate(IV), $(N_2H_5)_2SnCl_6$, as Studied by ^{35}Cl NQR Spin-Lattice Relaxation Measurements. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 288-292.	1.5	0
58	Reorientational Motion of Trihalogenomethyl Groups in Organic Compounds as Studied by ^{35}Cl NQR and ^{19}F NMR Spectroscopy. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1992, 47, 265-273.	1.5	9
59	Unusual Temperature Dependence of ^{35}Cl NQR Spin-Lattice Relaxation Time in $[(CH_3)_3N]_2[MCl_6]$ ($M = Pb, Sn, Te$). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1991, 46, 809-814.	1.5	2
60	Electron Spin Resonance Study of Intrinsic Paramagnetism of Soluble Polyaniline Perchlorates. Bulletin of the Chemical Society of Japan, 1991, 64, 1509-1513.	3.2	20
61	Chlorine NQR Spin-Lattice Relaxation and Electron Spin Dynamics in Paramagnetic $[Co(H_2O)_6][PtCl_6]$. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1991, 46, 1103-1107.	1.5	8
62	Electric field Gradient Modulation by Motion of Lone-Pair Electrons in $[(CH_3)_3S]_2MCl_6$ ($M = Pt, Sn$) as a Possible Relaxation Mechanism of Chlorine Nuclear Quadrupole Resonance. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 1033-1037.	1.5	1
63	A Study of Complex Anionic Motions in $(Me)_2NH \cdot 2ZnCl_4$ Crystals by Means of Chlorine Nuclear Quadrupole Resonance Techniques. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 464-466.	1.5	5
64	Chlorine Nuclear Quadrupole Relaxation Studies on Ionic Dynamics and Phase Transition in NH_4AuCl_4 . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 467-471.	1.5	9
65	Chlorine Nuclear Quadrupole Relaxation due to the Motion of Pyridinium Cations in Pyridinium Hexachlorometallates(IV): $(pyH)_2MCl_6$ ($M = Sn, Pb, Te$). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 477-480.	1.5	7
66	Temperature Dependences of NQR Frequencies and Nuclear Quadrupole Relaxation Times of Chlorine in 2,6-Lutidinium Hexachlorotellurate (IV) as Studied by Pulsed NQR Techniques. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 485-489.	1.5	4
67	^{35}Cl NQR Spin-Lattice Relaxation in Paramagnetic $CuPtCl_6 \cdot 6H_2O$. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1990, 45, 527-530.	1.5	8
68	A Study of Anionic Motions in Solid Rubidium and Cesium Tetrachloroaurates(III) by Measuring the Temperature Dependence of Chlorine Nuclear Quadrupolar Relaxation Times. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 125-130.	1.5	2
69	Structural Phase Transitions and Ionic Motions in Pyridinium Hexachlorotellurate(IV), Hexachlorostannate(IV), and Hexabromostannate(IV) Crystals as Studied by 1H NMR. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 300-306.	1.5	5
70	Structural Phase Transitions and Cationic Motions in Pyridinium Dichloroiodate(I) as Studied by 1H NMR, Differential Thermal Analysis, and Powder X-Ray Diffraction. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 1111-1115.	1.5	3
71	Studies on Molecular Motions and Phase Transition in Pyridinium Tetrachloroiodate(III) Crystals by the Measurements of the Temperature Dependences of Chlorine Nuclear Quadrupole Resonance Frequencies and Relaxation Times. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 1226-1230.	1.5	6
72	Intrinsic paramagnetism of doped polypyrroles and polythiophenes: Electron spin resonance of the polymers prepared by the use of copper(II) compounds as oxidative coupling agents. Synthetic Metals, 1989, 33, 355-364.	3.9	14

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73	The Lowest-Temperature Phase Transition of the Mixed Crystal of $(\text{NH}_4)_2(\text{K})_2\text{Pb}[\text{Cu}(\text{NO}_2)_6]$ and the Reorientation of Ammonium Ions in the Crystals. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 210-214.	1.5	0
74	^1H NMR and ^{35}Cl NQR Studies on the Motion of Pyridinium Ions in Crystalline Pyridinium Tetrachloro- and Tetrabromoaurate(III): $(\text{pyH})\text{AuX}_4$ (X = Cl, Br). Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1988, 92, 885-891.	0.9	42
75	^{35}Cl Nuclear Quadrupole Relaxation in Pyridinium Hexachlorostannate (IV). Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1988, 43, 1002-1004.	1.5	4
76	A Temperature Dependence Study of ^{35}Cl Nuclear Quadrupole Resonance Frequencies in Some Hexachloroplatinate(IV) Hexahydrates. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1987, 42, 611-616.	1.5	13
77	Temperature Dependence of ^{35}Cl Nuclear Quadrupole Resonance Frequencies and Hydrogen Bonding in Some Metal(II) Hexachlorostannate(IV) Hexahydrates. Bulletin of the Chemical Society of Japan, 1986, 59, 2639-2641.	3.2	19
78	An ESR Study of Structural Phase Transitions of $(\text{NH}_4)_2\text{Pb}[\text{Cu}(\text{NO}_2)_6]$. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1986, 41, 1154-1158.	1.5	2
79	Structural Phase Transition in Orthorhombic and Monoclinic Fe^{3+} Doped $\text{K}_3\text{Co}(\text{CN})_6$ Crystals as Studied by the Temperature Variation of ^{14}N NQR Frequencies. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1986, 90, 22-26.	0.9	8
80	Pyroelectricity of Molecular Crystals: Benzene Derivatives. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1985, 40, 567-574.	1.5	7
81	Magnetic Properties of Diaquabis(phenoxyacetato)manganese(II) and Related Complexes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1984, 39, 371-375.	1.5	3
82	Magnetic phase transitions in dibromo(4H-1,2,4-triazole)copper(II) and related copper(II) complexes as studied by nitrogen-14 nuclear quadrupole resonance and magnetic susceptibility measurements. Inorganic Chemistry, 1983, 22, 202-206.	4.0	32
83	Nitrogen-14 Nuclear Quadrupole Resonance in Some Hexanitro Complexes of the Type $\text{R}_2\text{PbCu}(\text{NO}_2)_6$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1979, 34, 1722-1728.	0.7	7
84	Nuclear Quadrupole Resonance of Nitrogen-14 in Potassium Hexathiocyanatoplatinate(IV) and Tetrathiocyanatomercurate(II). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1976, 31, 1483-1488.	0.7	7