257
3/6/68
LA-3871-MS

MASTER

LOS ALAMOS SCIENTIFIC LABORATORY
of the
University of California
LOS ALAMOS • NEW MEXICO

A Bibliography on
Nuclear Magnetic Resonance
of Inorganic Fluorides

UNITED STATES
ATOMIC ENERGY COMMISSION
CONTRACT W-7405-ENG. 36

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

This report expresses the opinions of the author or authors and does not necessarily reflect the opinions or views of the Los Alamos Scientific Laboratory.

Printed in the United States of America. Available from
Clearinghouse for Federal Scientific and Technical Information
National Bureau of Standards, U. S. Department of Commerce
Springfield, Virginia 22151

Price: Printed Copy \$3.00; Microfiche \$0.65

LOS ALAMOS SCIENTIFIC LABORATORY
of the
University of California
LOS ALAMOS • NEW MEXICO

Report written: December 1967

Report distributed: February 19, 1968

A Bibliography on
Nuclear Magnetic Resonance
of Inorganic Fluorides

Compiled by

Jean Furnish

LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

Fig

A BIBLIOGRAPHY ON
NUCLEAR MAGNETIC RESONANCE OF INORGANIC FLUORIDES

INTRODUCTION

For this bibliography only volumes 51 (1957) through 65 (1966) of Chemical Abstracts were consulted. Inorganic fluorides alone, in solvents of any sort, and in complexes with organic and inorganic molecules have been included. All references were indexed under "nuclear magnetic resonance" in Chemical Abstracts.

Most of the references included in this bibliography were published in the period 1957-1966. However, since the search was confined to specific volumes of Chemical Abstracts, and all references therefrom were included, it will be noted that there are some citations earlier than 1957. It may also be pointed out that in order to obtain a somewhat more complete list of references for 1966 it would be necessary to go beyond the cut-off point of volume 65 of Chemical Abstracts. It was not possible to do this in the present case.

Entries in this bibliography are arranged by year with the earliest given first, then alphabetically by author's name. For each item the location of the Chemical Abstracts entry is given following the bibliographic citation. This includes volume and column location number only, i.e., 63:7866f indicates the item is from volume 63 of Chemical Abstracts, and the location is at 7866f within that volume.

1956

NUCLEAR RESONANCE SPECTRA AND THE STRUCTURES OF THE MONO- AND DIHYDRATE OF BORON TRIFLUORIDE

P. T. Ford and R. E. Richards
J. Chem. Soc. 3870-4 (1956)
51:1669d

NITRIL FLUORIDE: A NEW METHOD OF PREPARATION, NUCLEAR MAGNETIC SPECTRUM, AND STRUCTURE

Richard A. Ogg, Jr., and James D. Ray
J. Chem. Phys. 25, 797-8 (1956)
51:1760f

NUCLEAR MAGNETIC RESONANCE STUDIES OF SOME INORGANIC MOLECULES AND IONS

Richard Edwin Poulson
UCRL-3567, 59 pp. (1956)
51:9304i

NUCLEAR RELAXATION IN ANTIFERROMAGNETIC CRYSTALS

J. van Kranendonk and M. Bloom
Physica 22, 545-60 (1956)
52:9775e

1957

NUCLEAR MAGNETIC RESONANCE IN CoF_2 AND FeF_2

J. M. Baker and W. Hayes
Phys. Rev. 106, 603-4 (1957)
51:17432d

FLUORINE-19 NUCLEAR-MAGNETIC-RESONANCE LINE SHAPES IN CALCIUM FLUORIDE

C. R. Bruce
Phys. Rev. 107, 43-5 (1957)
52:1755e

NUCLEAR MAGNETIC RESONANCE STUDIES OF THE ALUMINUM FLUORIDE COMPLEXES

Robert E. Connick and Richard E. Poulson
J. Am. Chem. Soc. 79, 5153-7 (1957)
52:3512d

NUCLEAR MAGNETIC RESONANCE STUDIES OF BF_3 COMPLEX FORMATION

P. Diehl and R. A. Ogg
Nature 180, 1114 (1957)
52:4312c

NUCLEAR MAGNETIC RESONANCE IN PARAMAGNETIC IRON GROUP FLUORIDES

V. Jaccarino, R. G. Schulman, and J. W. Stout
Phys. Rev. 106, 602-3 (1957)
51:17432c

NUCLEAR MAGNETIC RESONANCE (n.m.r.) IN ANTIFERROMAGNETIC MnF_2

V. Jaccarino and R. G. Schulman
Phys. Rev. 107, 1196-7 (1957)
52:2549c

NUCLEAR MAGNETIC RESONANCE IN SINGLE-CRYSTAL LITHIUM FLUORIDE DOWN TO 1.5°K

Frank J. Low and C. F. Squire
Bull. Am. Phys. Soc. (2), 2, 103 (1957)
52:12546d

FREE-INDUCTION DECAYS IN SOLIDS

I. J. Lowe and R. E. Norberg
Phys. Rev. 107, 46-61 (1957)
52:1755f

LEWIS CHARACTER OF TELLURIUM HEXAFLUORIDE

E. L. Muetterties and W. D. Phillips
J. Am. Chem. Soc. 79, 2075 (1957)
51:12724h

STRUCTURE OF ClF_3 AND EXCHANGE STUDIES ON SOME
HALOGEN FLUORIDES BY NUCLEAR MAGNETIC RESONANCE
(n.m.r.)

E. L. Muetterties and W. D. Phillips
J. Am. Chem. Soc. 79, 322-6 (1957)
52:2528d

NUCLEAR MAGNETIC RESONANCE SPLITTINGS IN VERY WEAK
FIELDS (35-15 GAUSSES)

Dominique P. Roux and George J. Bene
J. Chem. Phys. 26, 968-9 (1957)
51:12646i

NUCLEAR MAGNETIC RESONANCE IN PARAMAGNETIC MANGA-
NOUS FLUORIDE

R. G. Shulman and V. Jaccarino
Phys. Rev. 108, 1219-31 (1957)
52:5965a

1958

CHEMICAL SHIFT AND THE FINE STRUCTURE OF THE SIG-
NALS OF NUCLEAR MAGNETIC RESONANCE. I. EXPERI-
MENTAL METHOD AND THE INVESTIGATION OF THE SYSTEM
 $\text{HF-H}_2\text{O}$

P. M. Borodin and F. I. Skripor
Izvest. Vysshikh Ucheb. Zavednei, Radiofiz, No. 3,
37-49 (1958)
53:12000b

EFFECT OF ENVIRONMENT ON THE FLUORINE MAGNETIC
RESONANCE IN SOLUTIONS OF POTASSIUM FLUORIDE

Alan Carrington and Theodore Hines
J. Chem. Phys. 28, 727-8 (1958)
52:12561a

TETRAFLUOROHYDRAZINE

Charles B. Colburn and Al Kennedy
J. Am. Chem. Soc. 80, 5004 (1958)
53:6859i

ELECTROLYTE EFFECTS ON NUCLEAR MAGNETIC RESONANCE
FREQUENCIES OF FLUORINE IN AQUEOUS SOLUTIONS

Robert E. Connick and Richard E. Poulson
J. Phys. Chem. 62, 1002-4 (1958)
53:865i

NUCLEAR RESONANCE SPECTRUM AND STRUCTURE OF SULFUR
TETRAFLUORIDE

F. A. Cotton, J. W. George, and J. S. Waugh
J. Chem. Phys. 28, 994-5 (1958)
52:15252c

NUCLEAR MAGNETIC RESONANCE STUDIES OF BORON TRI-
FLUORIDE COMPLEX FORMATION

P. Diehl
Helv. Phys. Acta 31, 685-712 (1958)
53:17673b

STUDY OF BORON TRIFLUORIDE COMPLEXES BY NUCLEAR
MAGNETIC RESONANCE

P. Diehl and J. Gränacher
Helv. Phys. Acta 31, 43-4 (1958)
52:19656b

THE STRUCTURE OF LIQUID ANTIMONY PENTAFLUORIDE

Charles J. Hoffman, Bert E. Holder, and William L.
Jolly
J. Phys. Chem. 62, 364-6 (1958)
52:11496b

MAGNETIC RESONANCE LINE SHAPES AT THE ONSET OF
SATURATION

D. F. Holcomb
Phys. Rev. 112, 1599-1603 (1958)
53:19572i

NUCLEAR RESONANCE SIGNALS OBTAINED BY DYNAMIC
POLARIZATION

Andre Landesman
Compt. rend. 246, 1538-40 (1958)
52:12560h

PROTON RESONANCE SPECTRA OF SOME CRYSTALS CONTAIN-
ING NITROGEN AND FLUORINE

J. B. Leane and R. E. Richards
Spectrochim. Acta 10, 154-60 (1958)
52:9755d

ELECTRON-NUCLEAR DOUBLE RESONANCE OF F CENTERS
IN LITHIUM FLUORIDE

Norman W. Lord
Phys. Rev. Letters 1, 170-1 (1958)
52:17964h

NUCLEAR MAGNETIC RESONANCE IN LITHIUM FLUORIDE

F. J. Low and C. F. Squire
Phys. and Chem. Solids 2, 85-8 (1958)
53:8814g

CHEMISTRY OF SOME SULFUR OXYFLUORIDES

E. L. Muetterties and D. D. Coffman
J. Am. Chem. Soc. 80, 5914-18 (1958)
53:4997g

INDIRECT COUPLING OF NUCLEAR SPINS IN AN ANTI-
FERROMAGNET WITH PARTICULAR REFERENCE TO MnF_2 AT
VERY LOW TEMPERATURES

Tsutso Nakamura
Progr. Theoret. Phys. (Kyoto) 20, 542-52 (1958)
53:10970b

NUCLEAR MAGNETIC RESONANCE (N.M.R.) STUDIES OF CO-
ORDINATE COMPLEX FORMATION BY BORON TRIFLUORIDE

Richard A. Ogg, Jr., and Peter Diehl
Chem. Co-Ord. Compds., Symp., Rome 1957, 468-75
(Pub. 1958)
58:2041c

NUCLEAR MAGNETIC RESONANCE STUDIES OF COORDINATE
COMPLEX FORMATION BY BORON TRIFLUORIDE

Richard A. Ogg, Jr., and Peter Diehl
J. Inorg. and Nuclear Chem. 8, 468-75 (1958)
53:5942f

LITHIUM-7 AND FLUORINE-19 NUCLEAR MAGNETIC RESO-
NANCES IN NEUTRON-IRRADIATED LITHIUM FLUORIDE

P. J. Ring, J. G. O'Keefe, and P. J. Bray
Phys. Rev. Letters 1, 453-4 (1958)
53:6769e

DOUBLE NUCLEAR RESONANCE IN CRYSTALS OF LITHIUM
FLUORIDE

E. E. Schneider and K. Thompson
J. Phys. Radium 19, 834-6 (1958) (in French)
53:8814e

NUCLEAR MAGNETIC RESONANCE OF FLUORINE IN FLUORO-
SILANES

Erhard Schnell and Eugene G. Rochow
J. Inorg. Nucl. Chem. 6, 303-7 (1958)
52:17963d

ORIGIN OF NUCLEAR MAGNETIC RESONANCE SHIFTS IN PARAMAGNETIC MANGANESE TRIFLUORIDE

R. G. Schulman and V. Jaccarino
Phys. Rev. 109, 1084-5 (1958)
52:11578a

1959

THE FORM OF RESONANCE LINES IN RIGID SYSTEMS

Anatole Abragam and Jacques Michel Winter
Compt. rend. 249, 1633-4 (1959)
54:18058g

PRINCIPLES OF PHOSPHORUS CHEMISTRY. IV. THE SYSTEM OF FLUOROPHOSPHORIC ACIDS

Donald P. Ames, Shigeru Ohashi, Clayton F. Callis, and John R. Van Wazer
J. Am. Chem. Soc. 81, 6350-7 (1959)
54:11792d

NUCLEAR MAGNETIC RESONANCE STUDY OF FLUORINE IN SILVER FLUORIDE AND SILVER SUBFLUORIDE

Q. Won Choi
Univ. Microfilms (Ann Arbor, Mich.), L.C. Card No. Mic 59-1611, 97 pp.; Dissertation Abstr. 20, 111 (1959)
53:18632a

^{F19} NUCLEAR MAGNETIC RESONANCE OF VARIOUS METAL-FLUORIDE COMPLEXES IN AQUEOUS SOLUTION

Robert E. Connick and Richard E. Poulson
J. Phys. Chem. 63, 568-9 (1959)
53:15772e

STRUCTURE SENSITIVITY OF THE HIGH-FREQUENCY NUCLEAR MAGNETIC RESONANCE IN POWDERED ANTIFERROMAGNETIC MnF_2

J. L. Davis, G. E. Devlin, V. Jaccarino, and A. L. Schawlow
Phys. and Chem. Solids 10, 106-9 (1959)
54:1076g

EXCHANGE PROCESSES IN HALOGEN FLUORIDES

A. N. Hamer
J. Inorg. and Nuclear Chem. 2, 98-9 (1959)
53:8779e

STUDY OF SOME CORROSIVE FLUORIDES BY NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY

A. N. Hamer, J. Leece, and P. G. Bentley
U. K. At. Energy Authority Ind. Group IGR-TN/CA-1048, 13 pp. (1959)
53:15772f

NUCLEAR MAGNETIC RESONANCE STUDIES OF NEUTRON-IRRADIATED ALKALI HALIDES

J. F. Hon and P. J. Bray
Phys. and Chem. Solids 11, 149-69 (1959)
54:5250e

DIRECT OBSERVATION OF THE HYPERFINE STRUCTURE (hfs) OF A PARAMAGNETIC ION IN AN ANTIFERROMAGNET.

NUCLEAR MAGNETIC RESONANCE OF COBALT-59 IN COBALTOUS FLUORIDE
V. Jaccarino
Phys. Rev. Letters 2, 163-5 (1959)
53:8815d

EFFECTS OF THE COBALT-59 HYPERFINE STRUCTURE ON THE FLUORINE-19 HIGH-FREQUENCY NUCLEAR MAGNETIC RESONANCE IN ANTIFERROMAGNETIC CoF_2

V. Jaccarino
J. Chem. Phys. 30, 1627-8 (1959)
53:19573d

NUCLEAR MAGNETIC RESONANCE IN ANTIFERROMAGNETIC MnF_2

V. Jaccarino and L. R. Walker
J. Phys. Radium 20, 341-3 (1959)
53:21181h

DIFLUOROAMINE

Al Kennedy and Charles B. Colburn
J. Am. Chem. Soc. 81, 2906-7 (1959)
53:15844b

FREE INDUCTION DECAY OF ROTATING SOLIDS

I. J. Lowe
Phys. Rev. Letters 2, 285-7 (1959)
54:2013c

NUCLEAR MAGNETIC RESONANCE FREQUENCY SHIFT OF Co^{59} IN CoF_2

Toru Moriya
Phys. Chem. Solids 11, 175-6 (1959)
54:5250f

STRUCTURE OF EXCHANGE PROCESSES IN SOME INORGANIC FLUORIDES BY NUCLEAR MAGNETIC RESONANCE

E. L. Muetterties and W. D. Phillips
J. Am. Chem. Soc. 81, 1084-8 (1959)
53:10974b

CRYSTALLINE FIELD SPLITTING IN FERROUS FLUOSILICATE Taichiro Ohtsuka

J. Phys. Soc. Japan 14, 1245 (1959)
54:9502a

REACTION OF PEROXYDISULFURYL DIFLUORIDE WITH SULFUR DIOXIDE AND FLUORINE

John E. Roberts and George H. Cady
J. Am. Chem. Soc. 81, 4166-7 (1959)
54:3030h

STUDY ON THE HYDROGEN BOND IN NH_4HF_2 BY NUCLEAR MAGNETIC RESONANCE

Tsunahiko Shidei and Shukuro Yano
J. Chem. Phys. 30, 1109-10 (1959)
53:16701a

OBSERVATION OF THE COBALT-59 NUCLEAR MAGNETIC RESONANCE IN PARAMAGNETIC SALTS

R. G. Schulman
Phys. Rev. Letters 2, 459-60 (1959)
54:2948h

HIGHER-ORDER TRANSITIONS IN DOUBLE RESONANCE

Ko Sugihara
J. Phys. Soc. Japan 14, 1054-63 (1959)
55:17230b

CALCULATION OF THE ACID FUNCTION AND MOLECULAR COMPOSITION OF HYDROFLUORIC ACID FROM NUCLEAR MAGNETIC RESONANCE DATA FOR FLUORINE-19

E. Z. Ulyanskaya, A. U. Stepanyants, M. I. Vinnik, and N. M. Chirkov
Doklady Akad. Nauk S.S.S.R. 124, 1095-8 (1959)
55:8018g

1960

NUCLEAR MAGNETIC RESONANCE (NMR) IN ANTIFERROMAGNETIC MnF_2 UNDER HYDROSTATIC PRESSURE

G. B. Benedek and T. Kushida
Phys. Rev. 118, 46-57 (1960)
54:23745g

FLUORINE RESONANCE SPECTRUM OF PERCHLORYL FLUORIDE

S. Brownstein
Can. J. Chem. 38, 1597-9 (1960)
55:1189d

PHOSPHONITRILIC DERIVATIVES. III. CYCLIC PHOSPHONITRILIC FLUORIDES

A. C. Chapman, N. L. Paddock, D. H. Paine, H. T. Searle, and D. R. Smith
J. Chem. Soc. 3608-14 (1960)
55:3263d

NUCLEAR MAGNETIC RESONANCE (NMR) LINE SHIFTS OF FLUORINE IN AgF AND Ag_2F

Q. Wou Ohui
J. Am. Chem. Soc. 82, 2686-9 (1960)
54:23743a

HFS OF F^{19} IN THE ELECTRON PARAMAGNETIC RESONANCE OF $Mn:ZnF_2$

A. M. Clogston, J. P. Gordon, V. Jaccarino, M. Peter, and L. R. Walker
Phys. Rev. 117, 1222-35 (1960)
54:23749f

TECHNIQUE FOR OBSERVATION OF THE NUCLEAR MAGNETIC RESONANCE OF SOME SHORT-LIVED NUCLIDES AND ITS APPLICATION TO THE MEASUREMENT OF THE NUCLEAR g-FACTOR OF Li^6

Donald Connor
U. S. At. Energy Comm. ANL-6263, 1-94 (1960)
55:8087c

NMR [NUCLEAR MAGNETIC RESONANCE] STUDIES ON MIXED BORON HALIDES. DETECTION OF THE NEW HALIDE $BBrClF$

T. D. Coyle and F. G. A. Stone
J. Chem. Phys. 32, 1892-3 (1960)
55:1261d

INDIRECT INTERACTIONS OF SPINS AND CROSSING OF FREQUENCIES IN HEXAFLUOROPHOSPHORIC ACID IN A WEAK FIELD

Ange Erbcia and Georges Bene
Compt. rend. 250, 3467-9 (1960)
54:22019g

CYANOGEN FLUORIDE

F. S. Fawcett and R. D. Lipscomb
J. Am. Chem. Soc. 82, 1509-10 (1960)
54:15050d

NUCLEAR MAGNETIC RESONANCE (N.M.R.) INVESTIGATION ON HYDROGEN BONDS AND IONIC REORIENTATION IN CRYSTALS. I. SALTS OF THE TYPE $(NH_4)_nRX_m$

Cafiero Franconi
Sci. Tec. 4 (4), 209-15 (1960)
61:7852c

NUCLEAR MAGNETIC RESONANCE (NMR) INVESTIGATION OF THE AsF_5-SO_3 REACTION

R. J. Gillespie and J. V. Oubridge
Proc. Chem. Soc. 308-9 (1960)
55:7128a

HYPERFINE STRUCTURE OF THE F CENTER IN LiF

W. C. Holton, H. Blum, and C. P. Slichter
Phys. Rev. Letters 2, 197-200 (1960)
55:1191a

MOLECULAR STRUCTURE OF IODINE HEPTAFLUORIDE

Robert E. LaVilla and S. H. Bauer
J. Chem. Phys. 33, 182-6 (1960)
55:56g

THE ADDITION COMPOUNDS OF CYCLIC ETHERS WITH BORON TRIFLUORIDE

Donald E. McLaughlin, Milton Tamres, and Scott Searles, Jr.
J. Am. Chem. Soc. 82, 5621-5 (1960)
55:10424e

F^{19} SPECTRA OF PHOSPHORUS(V) FLUORIDES

W. Mahler and E. L. Muetterties
J. Chem. Phys. 33, 636 (1960)
55:5128e

HIGH-RESOLUTION NUCLEAR MAGNETIC RESONANCE STUDIES OF FLUORINE COMPOUNDS

Virgil D. Mochel
Univ. Microfilms (Ann Arbor, Mich.), L. C. Card No. Mic 60-1669, 153 pp.; Dissertation Abstr. 20, 4543 (1960)
54:17058i

THEORY OF MAGNETISM OF NiF_2

Toru Moriya
Phys. Rev. 117, 635-47 (1960)
54:23750b

CHEMISTRY OF PHOSPHORUS FLUORIDES

E. L. Muetterties, T. A. Bither, M. W. Farlow, and D. D. Coffman
J. Inorg. Nucl. Chem. 16, 52-9 (1960)
55:5214e

SULFUR TETRAFLUORIDE. IV. FLUORINATION OF INORGANIC OXIDES AND SULFIDES

A. L. Oppegard, W. C. Smith, E. L. Muetterties, and V. A. Engelhardt
J. Am. Chem. Soc. 82, 3835-8 (1960)
55:197b

CHLORODIFLUOROAMINE

Robert C. Petry
J. Am. Chem. Soc. 82, 2400-1 (1960)
54:18147c

SOME REACTIONS OF FLUORINE FLUOROSULFONATES: IODINE TRIFLUORIDE BISFLUOROSULFONATE

John E. Roberts and George H. Cady
J. Am. Chem. Soc. 82, 354-5 (1960)
54:12861c

NUCLEAR MAGNETIC RESONANCE (NMR) IN $KMnF_3$

R. G. Shulman and K. Knox
Phys. Rev. 119, 94-101 (1960)
54:20491b

NUCLEAR MAGNETIC RESONANCE IN PARAMAGNETIC FeF_2

J. W. Stout
Phys. Rev. 118, 1136-41 (1960)
54:23819f

23

ON THE F^{19} NMR [NUCLEAR MAGNETIC RESONANCE] SHIFT
IN CoF_2
Soichiro Toshima and Tsuto Nakamura
Mem. Fac. Sci., Kyushu Univ. Ser. B 3, 25-30 (1960)
55:16156c

1961

ANTIFERROMAGNETISM OF MIXED CRYSTALS OF ZINC AND
MANGANESE FLUORIDE

J. M. Baker, J. A. J. Lourens, and R. W. H.
Stevenson

Proc. Phys. Soc. (London) 77, 1039-41 (1961)
55:21819f

NUCLEAR MAGNETIC INTERACTIONS IN HYDROGEN FLUORIDE
Milton R. Baker, H. Mark Nelson, John A. Leavitt,
and Norman F. Ramsey

Phys. Rev. 121, 807-15 (1961)
55:8044i

NUCLEAR MAGNETIC RESONANCE (NMR) IN $(NH_4)_2(BeF_4)_x$ -
 $(SO_4)_{1-x}$ AND OTHER FERROELECTRIC SYSTEMS

Gerald Burns

Phys. Rev. 123, 64-6 (1961)
55:19488c

THE VAPOR PRESSURES OF SOME HEAVY TRANSITION METAL
HEXAFLUORIDES

George H. Cady and George B. Hargreaves

J. Chem. Soc. 1563-74 (1961)
55:16048e

THE FLUORINE MAGNETIC RESONANCE IN THE IONS $[BF_4]^-$
AND $[BF_3CF_3]^-$

R. D. Chambers, H. C. Clark, L. W. Reeves, and C. J.
Wallis

Can. J. Chem. 39, 258-9 (1961)
55:13063f

PHOSPHONITRILIC DERIVATIVES. V. TRIPHOSPHONITRILIC
FLUORIDE CHLORIDES

A. C. Chapman, D. H. Paine, H. T. Searle, D. R.
Smith, and R. F. M. White

J. Chem. Soc. 1768 (1961)
57:6858f

SPIN-LATTICE RELAXATION TIME OF F^{19} NUCLEI IN Ag_2F

Q. Won Choi and W. Gilbert Clark

J. Chem. Phys. 34, 1584 (1961)
55:26678e

NATURE OF THE BOND BETWEEN BF_3 AND LACTAMS

E. F. J. Duynstee, W. van Raayen, J. Smidt, and
Th. A. Veerkamp

Rec. Trav. Chim. 80, 1323-33 (1961)
57:11013b

THE STRUCTURE OF THE ISOMERS OF N_2F_2

Raymond Ettinger, Frederic A. Johnson, and Charles
B. Colburn

J. Chem. Phys. 34, 2187-8 (1961)
55:24223c

ORIGIN OF THE F^{19} HYPERFINE STRUCTURE IN TRANSITION
ELEMENT FLUORIDES

A. J. Freeman and R. E. Watson

Phys. Rev. Letters 6, 343-4 (1961)
56:1081f

F^{19} NUCLEAR MAGNETIC RESONANCE IN POLYCRYSTALLINE
 MgF_2

S. K. Ghosh, J. Lahiri, and S. K. Sinha

Indian J. Phys. 35, 236-9 (1961)
55:23055f

POLYSULFURYL FLUORIDES

R. J. Gillespie, J. V. Oubridge, and E. A. Robinson

Proc. Chem. Soc. 428-9 (1961)
56:9688h

NUCLEAR MAGNETIC RESONANCE SATURATION IN $NaCl$ AND
 CaF_2

Walter I. Goldburg

Phys. Rev. 122, 831-6 (1961)
55:23057b

HIGH-RESOLUTION NUCLEAR MAGNETIC RESONANCE [NMR]
SPECTRA OF PENTAFLUOROSULFUR COMPOUNDS

R. K. Harris and K. J. Packer

J. Chem. Soc. 4736-40 (1961)
56:5555g

COORDINATION COMPOUNDS HAVING CARBOXYLIC ESTERS AS
LIGANDS. I. STOICHIOMETRY, STRUCTURE, AND STEREO-
CHEMISTRY

M. F. Lappert

J. Chem. Soc. 817-22 (1961)
55:16250i

BIS(PENTAFLUOROSULFUR) PEROXIDE

Claude I. Merrill and George H. Cady

J. Am. Chem. Soc. 83, 298-300 (1961)
55:15204f

HIGH-RESOLUTION-NUCLEAR MAGNETIC RESONANCE (N.M.R.)
SPECTRA OF THE PENTAFLUOROSULFUR GROUP

C. I. Merrill, S. M. Williamson, G. H. Cady, and
D. F. Eggers, Jr.

U. S. Dept. Com., Office Tech. Serv., AD 264,827,
14-pp (1961)
58:1072e

NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRA OF SOME
HYPOFLUORITES

Claude I. Merrill and George H. Cady

U. S. Dept. Com., Office Tech. Serv., AD 264-827,
6 pp (1961)
58:2046b

MAGNETIC RESONANCE OF F^{19} NUCLEI IN FERROELECTRIC
 $(NH_4)_2-BeF_4$

G. M. Mikhailov, A. G. Lundin, and S. P. Gabuda

Zhur. Eksptl. i Teoret. Fiz. 41, 1370-4 (1961)
56:11096d

NUCLEAR INTERACTIONS IN DEUTERIUM FLUORIDE

H. Mark Nelson, John A. Leavitt, Milton R. Baker,
and Norman F. Ramsey

Phys. Rev. 122, 856-9 (1961)
55:21807b

ABSENCE OF ANTIFERROMAGNETIC DOMAIN WALLS IN MnF_2
P. S. Pershan

Phys. Rev. Letters 1, 280-1 (1961)
56:6778g

ELECTRICALLY INDUCED SHIFT OF THE F^{19} RESONANCE
FREQUENCY IN MnF_2

P. S. Pershan and N. Bloembergen

Phys. Rev. Letters 1, 165-7 (1961)
56:4276a

23

SULFUR-NITROGEN-FLUORINE COMPOUNDS. XI. STRUCTURE OF SOME SULFUR-NITROGEN-FLUORINE COMPOUNDS

Hans Richert and Oskar Glemser
Z. anorg. u. allgem. Chem. 307, 328-44 (1961)
55:24345e

CALCULATION OF CRYSTAL FIELD SPLITTING

R. G. Shulman and S. Sugano
Phys. Rev. Letters 7, 157-9 (1961)
56:6751a

NUCLEAR MAGNETIC RESONANCE IN $\text{CuF}_2 \cdot 2\text{H}_2\text{O}$ SINGLE CRYSTALS

R. G. Shulman and B. J. Wyluda
J. Chem. Phys. 35, 1498-9 (1961)
56:6812e

NUCLEAR MAGNETIC RESONANCE IN NiF_2 DOMAIN WALLS

R. G. Shulman
J. Appl. Phys. 32, Suppl. No. 3, 126-8 (1961)
55:23056c

NUCLEAR MAGNETIC RESONANCE (NMR) AND MAGNETIC ORDERING IN NiF_2

R. G. Shulman
Phys. Rev. 121, 125-43 (1961)
55:7048g

DOUBLE NUCLEAR MAGNETIC RESONANCE AND SPIN DIFFUSION IN LITHIUM FLUORIDE

George Henry Stauss
Univ. Microfilms (Ann Arbor, Mich.), Order No. 61-4162, 94 pp.; Dissertation Abstr. 22, 1684-5 (1961)
56:5555e

NUCLEAR MAGNETIC RESONANCE [NMR] IN $\text{NiSiF}_6 \cdot 6\text{H}_2\text{O}$ BELOW 1°K

Tadashi Sugawara
Proc. Intern. Conf. Low Temp. Phys., 7th, Toronto, Can. 1960, 108-10 (Pub. 1961)
56:8197c

FLUORINE NUCLEAR SPIN RESONANCE (NMR) SPECTROSCOPY. IV. SILICON-29 ISOTOPE EFFECT

G. V. Tiers
J. Inorg. Nucl. Chem. 16, 363-5 (1961)
55:15127d

THE DEPENDENCE OF THE MAGNETIC SCREENING OF F^{19} NUCLEI ON CONCENTRATION IN THE $\text{KHF}_2 \cdot \text{H}_2\text{O}$ AND $\text{KHF}_2 \cdot \text{KF} \cdot \text{H}_2\text{O}$ SYSTEMS

I-Ts'iu Vang and F. I. Skripov
Doklady Akad. Nauk S.S.S.R. 136, 58-60 (1961)
56:2095c

CHEMICAL DISPLACEMENTS OF THE FLUORINE NUCLEAR MAGNETIC RESONANCE SIGNALS IN IONIC CRYSTALS

I-Ch'iu Wang
Doklady Akad. Nauk S.S.S.R. 136, 317-19 (1961)
56:2095e

CHEMICAL SHIFT OF THE NUCLEAR MAGNETIC RESONANCE SPECTRUM OF F^{19} IN AQUEOUS SOLUTIONS CONTAINING F^- , HF_2^- AND NH_4^+

I-Ch'iu Wang
Zhur. Strukt. Khim. 2, 367-8 (1961)
56:6812f

1962

FLUORINE PERCHLORATE, INFRARED AND NUCLEAR MAGNETIC RESONANCE [NMR] SPECTRA

H. Agahigian, A. P. Gray, and C. D. Vickers
Can. J. Chem. 40, 157 (1962)
56:8196f

NEEL TEMPERATURE OF MIXED CRYSTALS OF ZINC AND IRON GROUP FLUORIDES

J. M. Baker, J. A. J. Lourens, and R. W. H. Stevenson
J. Phys. Soc. Japan 17, Suppl. B-I, 478-80 (1962)
58:2046c

PROTON MAGNETIC RESONANCE (N.M.R.) STUDY OF THE WATER LATTICE DISTORTIONS IN AQUEOUS ALKALI HALIDE SOLUTIONS

M. S. Bergqvist and E. Forslind
Acta. Chem. Scand. 16, 2069-86 (1962)
58:7529f

THE NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRA OF SOME HYPOFLUORITES

George H. Cady and Claudé I. Merrill
J. Am. Chem. Soc. 84, 2260-2 (1962)
57:6772e

HYDROGEN FLUORIDE SOLVENT SYSTEM. XI. IRON PENTACARBONYLHYDROGEN FLUORIDE SYSTEM AND NUCLEAR MAGNETIC RESONANCE STUDIES OF TRANSITION METAL CARBONYLS

A. F. Clifford and M. D. Campbell
U. S. At. Energy Comm. TID-18199, 19 pp (1962)
60:15321f

NITROSODIFLUORAMINE

Charles B. Colburn and Frederick A. Johnson
Inorg. Chem. 1, 715-17 (1962)
57:9443i

INFRARED AND NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRA OF A CYCLIC PERFLUOROAZO COMPOUND

E. A. V. Ebsworth and G. L. Hurst
J. Chem. Soc. 4840-3 (1962)
58:3027g

X-RAY EVIDENCE FOR CRYSTALLINE DEFECTS

A. Guinier
Proc. Intern. School Phys. "Enrico Fermi" (Varenna, Italy) 18, 122-51 (1960) (Pub. 1962) (In French)
65:6405a

HIGH-RESOLUTION NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTROSCOPY OF PENTAFLUOROSULFUR COMPOUNDS. II. COMPLEX NUCLEAR MAGNETIC SYSTEMS

R. K. Harris and K. J. Packer
J. Chem. Soc. 3077-82 (1962)
57:11995c

NUCLEAR MAGNETIC RESONANCE IN MnF_2 NEAR THE CRITICAL POINT

P. Heller
Phys. Rev. Letters 8, 428-32 (1962)
57:9376h

F^{19} CHEMICAL SHIFT OF NITROSYL FLUORIDE

John R. Holmes, Burch B. Steward, and James S. MacKenzie
J. Chem. Phys. 37, 2728-9 (1962)
58:8540b

FLUORINE MAGNETIC RESONANCE IN XENON TETRAFLUORIDE
S. Maricic and Z. Veksli
Croat. Chem. Acta 34, 189-90 (1962)
58:5175c

HIGH-RESOLUTION NUCLEAR MAGNETIC RESONANCE SPECTRA
OF THE PENTAFLUOROSULFUR GROUP
C. I. Merrill, S. M. Williamson, G. H. Cady, and
D. F. Eggers, Jr.
Inorg. Chem. 1, 215-19 (1962)
57:2999c

N.M.R. (NUCLEAR MAGNETIC RESONANCE) STUDY OF THE
DYNAMIC STRUCTURE OF THE ALKALI HEXAFLUOROPHOS-
PHATES
Gerald Ray Miller
Univ. Microfilms (Ann Arbor, Mich.), Order No.
62-2940, 79 pp.; Dissertation Abstr. 23, 462 (1962)
58:6355d

ANALYSIS OF THE N.M.R. (NUCLEAR MAGNETIC RESONANCE)
AND DOUBLE-RESONANCE SPECTRA OF THE ISOMERS OF N_2F_2
Joseph H. Noggle, John D. Baldeschwieler, and
Charles B. Colburn
J. Chem. Phys. 37, 182-9 (1962)
57:14609e

STABLE CARBONIUM IONS. II. OXOCARBONIUM (ACYLIUM)
TETRAFLUOROBORATES, HEXAFLUOROPHOSPHATES, HEXA-
FLUOROANTIMONATES, AND HEXAFLUOROARSENATES. STRUC-
TURE AND CHEMICAL REACTIVITY OF ACYL FLUORIDE:
LEWIS ACID FLUORIDE COMPLEXES
George A. Olah, Stephen J. Kuhn, William S. Tolgysei,
and Edward B. Baker
J. Am. Chem. Soc. 84, 2733-40 (1962)
57:9447h

F^{19} FREE INDUCTION DECAY IN POLYCRYSTALLINE MgF_2
S. K. Sinha, S. K. Ghosh, J. Lahiri, and A.
Roychoudhury
Indian J. Phys. 36, 513-20 (1962)
59:150g

RELAXATION OF F^{19} IN PARAMAGNETIC SOLUTIONS
V. M. Vdovenko, L. L. Pavlova, and V. A. Shcherbakov
Zh. Strukt. Khim. 3, 707-9 (1962)
58:7528e

F^{19} MAGNETIC SHIELDING IN ALKALI FLUORIDE CRYSTALS
I-Ch'iu Wang and M. Volodicheva
Fiz. Tverd. Tela 4, 642-5 (1962)
57:4169i

1963

NUCLEAR MAGNETIC RESONANCE SPECTRA OF IF_7 AND IOF_5
L. G. Alexakos, C. D. Cornwell, and S. B. Pierce
Proc. Chem. Soc. 341-2 (Nov. 1963)
60:4977b

NUCLEAR MAGNETIC RESONANCE STUDIES ON SEVERAL
HALOGEN FLUORIDES
Louis George Alexakos
Univ. Microfilms (Ann Arbor, Mich.), Order No. 63-
5731, 13 pp.; Dissertation Abstr. 24, 89-90 (1963)
59:14779d

THE NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRUM OF
SULFUR TETRAFLUORIDE
J. Bacon, R. J. Gillespie, and J. W. Quail
Can. J. Chem. 41, 1016-18 (1963)
59:5961d

QUADRUPOLE RELAXATION FOR A SPIN $I = 3/2$. THE
 ^{19}F N.M.R. (NUCLEAR MAGNETIC RESONANCE) SPECTRA OF
 BF_3 AND ClO_3F
J. Bacon, R. J. Gillespie, and J. W. Quail
Can. J. Chem. 41 (12), 3063-9 (1963)
60:1251f

MAGNETIC RESONANCE AT VERY LOW FREQUENCIES: APPLI-
CATIONS TO PHYSICAL CHEMISTRY AND STRUCTURAL CHEM-
ISTRY
G. J. Bene
Chim. Anal. (Paris) 45, 162-71 (1963)
59:2307e

NUCLEAR MAGNETIC RESONANCE (N.M.R.) STUDIES OF THE
PROTONATION OF WEAK BASES IN FLUOROSULFURIC ACID.
II. AMIDES, THIOAMIDES, AND SULFONAMIDES
T. Birchall and R. J. Gillespie
Can. J. Chem. 41 (10), 2642-50 (1963)
59:12327d

ANISOTROPY OF FLUORINE CHEMICAL SHIFT IN SOLID
XENON TETRAFLUORIDE
R. Blinc, P. Podnar, J. Slivnik, B. Volavsek, S.
Maricic, and Z. Veksli
Noble-Gas Compds. 270-4 (1963)
65:13043h

ANISOTROPY OF THE F CHEMICAL SHIFT TENSOR IN XeF_4
R. Blinc, I. Zupancic, S. Maricic, and Z. Veksli
J. Chem. Phys. 39 (8), 2109-10 (1963)
59:14715d

F^{19} MAGNETIC RESONANCE STUDY IN XENON TETRAFLUORIDE
R. Blinc, P. Podnar, J. Slivnik, and B. Volavsek
Phys. Letters 4, 124 (1963)
58:12099a

NUCLEAR MAGNETIC RESONANCE IN POLYCRYSTALLINE UF_6
R. Blinc, V. Marinkovic, E. Pirkmajer, I. Zupancic,
and S. Maricic
J. Chem. Phys. 38, 2474-7 (1963)
58:13327a

ACTION OF HEAVY WATER ON THE CHEMICAL SHIFT FOR F^{19}
P. M. Borodin, E. K. Legin, E. N. Sventitskii, M.
B. Khusidman, and V. A. Shcherbakov
Zh. Strukt. Khim. 4 (2), 266-7 (1963)
59:3447d

HIGH-RESOLUTION F^{19} AND Xe^{129} MAGNETIC DOUBLE RESO-
NANCE SPECTRUM OF $XeOF_4$
Thomas H. Brown, E. B. Whipple, and Peter H. Verdier
J. Chem. Phys. 38, 3029-30 (1963)
59:8321t

HIGH-RESOLUTION MAGNETIC RESONANCE OF Xe COMPOUNDS
Thomas H. Brown, E. B. Whipple, and Peter H. Verdier
Noble-Gas Compds. 263-69 (1963)
65:6544d

XENON TETRAFLUORIDE: FLUORINE-19 HIGH-RESOLUTION
MAGNETIC RESONANCE SPECTRUM
Thomas H. Brown, E. B. Whipple, and Peter H. Verdier
Science 140 (3563), 178 (1963)
59:2306c

FORMATION AND EXCHANGE RATES OF SOME COMPLEXES OF
BORON FLUORIDE WITH AMINES AND ETHERS
S. Brownstein, A. M. Eastham, and G. A. Latremouille
J. Phys. Chem. 67, 1028-31 (1963)
58:13179c

THE NUCLEAR MAGNETIC RESONANCE AND THE ELECTRON PAR-
AMAGNETIC RESONANCE OF LiF DOPED WITH MnF_2
Te-Tse Chang
Univ. Microfilms (Ann Arbor, Mich.), Order No. 63-
1983, 69 pp.; Dissertation Abstr. 23, 2958 (1963)
58:13322h

HYDROGEN AND FLUORINE NUCLEAR MAGNETIC RESONANCE IN
SOME ADDUCTS OF BORON TRIFLUORIDE
R. A. Craig and K. E. Richards
Trans. Faraday Soc. 59 (489), Pt. 9, 1962-71 (1963)
59:14770h

STUDY OF THE TEMPERATURE DEPENDENCE OF RELAXATION
OF THE ^{19}F NUCLEUS IN A SYNTHETIC CaF_2 SINGLE
CRYSTAL
R. A. Dautov, V. D. Korepanov, and A. I. Chernitsyn
Itog. Nauchn. Konf. Kazansk. Univ. za 1962g.
(Kazan: Kazansk. Univ.) Sb., 14-15 (Pub. 1963)
(In Russian)
63:10781d

NEW FLUORINE COMPOUNDS OF XENON
A. J. Edwards, J. H. Holloway, and R. D. Peacock
Proc. Chem. Soc. 275-6 (Sept. 1963)
60:7667g

FURTHER NUCLEAR MAGNETIC RESONANCE (N.M.R.) AND
ELECTRON PARAMAGNETIC RESONANCE (E.P.R.) STUDIES ON
THE SYSTEM $N_2F_4 = 2NF_2$
Raymond Ettinger and Charles B. Colburn
Inorg. Chem. 2 (6), 1311-13 (1963)
60:6367f

IODINE OXIDE PENTAFLUORIDE
R. J. Gillespie and J. W. Quail
Proc. Chem. Soc. 278 (Sept. 1963)
60:7667e

SULFUR AND SILICON ISOTOPE EFFECTS IN FLUORINE
NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTROSCOPY
R. J. Gillespie and J. W. Quail
J. Chem. Phys. 39 (10), 2555-7 (1963)
59:13509f

PROPERTIES AND LATTICE IMPERFECTIONS OF ICE CRYSTALS
AND THE BEHAVIOR OF H_2O-HF SOLID SOLUTIONS
H. Graenicher
Physik Kondensierten Materie 1 (1), 1-12 (1963)
59:8141g

NUCLEAR MAGNETIC RESONANCE (N.M.R.) INVESTIGATIONS
INTO HYDROGEN BONDS AND IONIC REORIENTATIONS IN THE
CRYSTALS. II. AMMONIUM FLUORALUMINATES
Marcella Guido and Cafiero Franconi
Ann. Chim. (Rome) 53, 1048-53 (1963)
60:8801b

NUCLEAR MAGNETIC RELAXATION AND DIFFUSION IN LIQUID
 SF_6
William R. Hackleman and Paul S. Hubbard
J. Chem. Phys. 39 (10), 2688-93 (1963)
59:13508f

FLUORINE NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPEC-
TROSCOPY. STUDIES OF Cl^{35} SATELLITE SPECTRA
Robin K. Harris
J. Mol. Spectry. 10, 309-19 (1963)
59:3445h

A MOLECULAR-BEAM ELECTRIC-RESONANCE SPECTROMETER
AND THE RADIO-FREQUENCY SPECTRA OF LITHIUM FLUORIDE
Alvin Joseph Hebert
Univ. Microfilms (Ann Arbor, Mich.), Order No.
63-5512, 87 pp.; Dissertation Abstr. 24, 1848-9
(1963)
60:11509g

MAGNETIC RESONANCE DETERMINATION OF THE SUSCEPTI-
BILITY IN ANTIFERROMAGNETIC MnF_2
P. Heller and G. B. Benedek
Proc. Intern. Conf., 1st, Jerusalem, 1962 2, 597-601
(Pub. 1963)
60:4939b

NUCLEAR MAGNETIC RESONANCE STUDIES OF Xe FLUORIDES
J. C. Hindman and A. Svirnickas
Noble-Gas Compds. 251-62 (1963)
65:6546b

PENTACOORDINATED MOLECULES. I. THE PREPARATION
AND FLUORINE-19 NUCLEAR MAGNETIC RESONANCE (n.m.r.)
INVESTIGATION OF THE PHOSPHORUS CHLOROFLUORIDES
Robert R. Holmes and W. Patrick Gallagher
Inorg. Chem. 2, 433-7 (1963)
59:210d

SPECULATION CONCERNING THE NATURE OF BINDING IN
XENON FLUORINE COMPOUNDS
Joshua Jortner, Stuart A. Rice, and E. Guy Wilson
J. Chem. Phys. 38, 2302-3 (1963)
59:5784a

CPIN ECHO IN A LOCALIZED FIELD
V. D. Korepanov, A. I. Chernitsyn, and R. A.
Dautov
Zh. Eksp. i Teor. Fiz. 45 (2), 385-6 (1963)
60:6368f

NUCLEAR MAGNETIC RESONANCE STUDIES OF NEUTRON-IR-
RADIATED FLUORIDES, ESPECIALLY LITHIUM FLUORIDE
Charles Dwaine Knutson
Univ. Microfilms (Ann Arbor, Mich.), Order No.
63-1038, 178 pp.; Dissertation Abstr. 23, 2570
(1963)
58:9774d

CHEMICAL SHIFTS IN XENON FLUORIDES
D. Lazdins, C. W. Kern, and M. Karplus
J. Chem. Phys. 39 (6), 1611-12 (1963)
60:1248i

MAGNETIC MEASUREMENTS ON XeF_4
S. Maricic, Z. Vekoli, J. Slivnik, and B. Volavsek
Croat. Chem. Acta 35, 77-80 (1963)
59:4706f

NUCLEAR MAGNETIC RESONANCE STUDIES IN THE SERIES $ZrF_4 \cdot xHF \cdot H_2O$. I. THE CONSTITUTION OF THE HYDRATES OF ZIRCONIUM TETRAFLUORIDE

S. Maricic, P. Strohal, and Z. Veksl
J. Inorg. Nucl. Chem. 25 (7), 789-94 (1963)
59:2365e

N.M.R. (NUCLEAR MAGNETIC RESONANCE) STUDY OF THE ALKALI HEXAFLUOROPHOSPHATES' DYNAMIC STRUCTURE

Gerald R. Miller and H. S. Gutowsky
J. Chem. Phys. 39 (8), 1983-94 (1963)
59:13508b

CARBON-13 SPLITTINGS IN FLUORINE NUCLEAR MAGNETIC RESONANCE SPECTRA

Norbert Muller and Duane T. Carr
J. Phys. Chem. 67, 112-15 (1963)
58:3025f

MEDIUM EFFECTS IN N.M.R. (NUCLEAR MAGNETIC RESONANCE). III. FLUORINE RESONANCE IN GASES

L. Petrakis and H. J. Bernstein
J. Chem. Phys. 38, 1562-8 (1963)
58:10893a

NUCLEAR MAGNETIC RESONANCE AND INFRARED STUDIES OF SOME FLUOROCARBON-TRANSITION METAL COMPOUNDS. I. II.

Emily Pitcher
Univ. Microfilms (Ann Arbor, Mich.), Order No. 62-5432, 158 pp.; Dissertation Abstr. 23, 2317-18 (1963)
58:10890b

FLUORINE-19 NUCLEAR MAGNETIC RESONANCE STUDY OF SOME PENTAFLUOROTITANATE COMPLEXES

Ronald O. Ragsdale and Burch B. Steward
Inorg. Chem. 2 (5), 1002-4 (1963)
59:9483d

NUCLEAR MAGNETIC RESONANCE AND ITS APPLICATIONS TO INORGANIC CHEMISTRY

Claude Rocchiccioli
Chim. Anal. (Paris) 45, 251-8 (1963)
59:2307f

XENON FLUORIDES: FLUORINE-19 NUCLEAR MAGNETIC RESONANCE SPECTRA

A. C. Rutenberg
Science 140 (3570), 993-4 (1963)
59:5961e

COVALENCY EFFECTS IN $KNiF_3$. I. NUCLEAR MAGNETIC RESONANCE STUDIES

R. G. Shulman and S. Sugano
Phys. Rev. 130, 506-11 (1963)
58:13153b

DICHLOROFLUORAMINE

Bernard Sukornick, Richard F. Stahl, and Joseph Gordon
Inorg. Chem. 2 (4), 875 (1963)
59:12391e

NUCLEAR MAGNETIC RESONANCE OF F^{20} BY POLARIZED NEUTRON CAPTURE AND β -DECAY ANISOTROPY

Tung Tsang and Donald Connor
Phys. Rev. 132 (3), 1141-6 (1963)
59:13507g

DIFFUSION NARROWING OF NUCLEAR MAGNETIC RESONANCE

(N.M.R.) LINE WIDTH OF F^{19} IN $CaF_2:Sm^{2+}$
Wm. J. Veigele and A. W. Bevan, Jr.
Phys. Rev. 131 (4), 1585-6 (1963)
59:7096d

1964

RELAXATION OF THE ^{19}F NUCLEI IN CaF_2

A. G. Akhmedov
Sb. Aspirantskikh Rabot, Kazansk. Gos. Univ. 155-9 (1964) (In Russian)
63:10880g

NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRA OF ClF_2 AND ClF : GASEOUS SPECTRA AND GAS-TO-LIQUID SHIFTS

Louis G. Alexakos and C. D. Cornwell
J. Chem. Phys. 41 (7), 2098-107 (1964)
61:12817a

NUCLEAR MAGNETIC ANTISHIELDING OF NUCLEI IN MOLECULES. MAGNETIC MOMENTS OF ^{19}F , ^{14}N , AND ^{15}N

Milton R. Baker, Charles H. Anderson, and Norman F. Ramsey
Phys. Rev. 133 (6A), 1533-6 (1964)
60:8802c

^{19}F NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRA OF HEPTAVALENT FLUORIDES AND OXIDE PENTAFLUORIDES

N. Bartlett, S. Beaton, L. W. Reeves, and E. J. Wells
Can. J. Chem. 42 (11), 2531-40 (1964)
61:14061h

NUCLEAR MAGNETIC RESONANCE OF FLUORINE

C. Beguin
Bull. Soc. Chim. France (10), 2711 (1964) (In French)
62:6033b

SELENIUM ISOTOPE EFFECTS IN FLUORINE NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY

T. Birchall, S. L. Crossley, and R. J. Gillespie
J. Chem. Phys. 41 (9), 2760-1 (1964)
61:14062g

ANOMALIES IN THE NUCLEAR MAGNETIC RESONANCE (N.M.R.) AND ELECTRON PARAMAGNETIC RESONANCE (E.P.R.) SPECTRA OF XeF_6/HF MIXTURES

Thomas H. Brown, Paul H. Kasai, Peter H. Verdier, and E. B. Whipple
J. Chem. Phys. 40 (11), 3448-9 (1964)
61:11501h

KrF_4 : ^{19}F HIGH-RESOLUTION MAGNETIC RESONANCE SPECTRUM

Thomas H. Brown and Peter H. Verdier
J. Chem. Phys. 40 (7), 2057 (1964)
60:15319a

ADDITIVE RELATION FOR CHEMICAL SHIFTS IN NUCLEAR MAGNETIC RESONANCE (N.M.R.) OF ^{19}F IN PHOSPHOROFUORIDATES AND PHOSPHONOFUORIDATES

V. F. Bystrov, A. A. Neimysheva, A. U. Stepanyants, and I. L. Knunyants
Dokl. Akad. Nauk SSSR 156 (3), 637-40 (1964)
61:6548c

NUCLEAR MAGNETIC-DIPOLE COUPLING IN SOLID BF_3
P. A. Casabella
J. Chem. Phys. 41 (12), 3793-8 (1964)
62:2383f

ISOLATION AND STORAGE OF FREE RADICALS ON MOLECULAR
SIEVES. II. THE ELECTRON PARAMAGNETIC RESONANCE
SPECTRUM OF NITROGEN DIFLUORIDE (NF_2)
Charles B. Colburn, Raymond Ettinger, and Frederick
A. Johnson
Inorg. Chem. 3 (3), 455-7 (1964)
60:14036d

PREPARATION AND PROPERTIES OF DIFLUOROBORANE
T. D. Coyle, J. J. Ritter, and T. C. Farrar
Proc. Chem. Soc. 25 (Jan. 1964)
60:8880a

FLUORINE NUCLEAR MAGNETIC RESONANCE SPECTRA OF HY-
DROXYFLUOROSTANNATES
P. A. W. Dean and D. F. Evans
Proc. Chem. Soc. 407 (Dec. 1964)
62:8542g

ULTRASONICALLY-INDUCED NUCLEAR SPIN TRANSITIONS IN
ANTIFERROMAGNETIC KMnF_3
A. B. Denison, L. W. James, J. D. Currin, W. H.
Tanttila, and R. J. Mahler
Phys. Rev. Letters 12 (10), 244-5 (1964)
60:11540h

STUDY OF MOVEMENT OF IONS IN FLUOROSILICATES BY
NUCLEAR MAGNETIC RESONANCE
Jean Marie Dereppe, Pedro W. Lobo, and Maurice
van Meerssche
J. Chim. Phys. 61 (7-8), 1076-81 (1964) (In French)
62:3550c

^{19}F NUCLEAR MAGNETIC RESONANCE IN SOME PARAMAGNETIC
FLUORIDES
D. Elwell
Proc. Phys. Soc. (London) 84 (539), 409-15 (1964)
61:9073e

PROTON AND FLUORINE NUCLEAR MAGNETIC RESONANCE
(N.M.R.) SPECTRA OF HBF_2
T. C. Farrar and T. D. Coyle
J. Chem. Phys. 41 (9), 2612-13 (1964)
61:16063f

CYANOGEN FLUORIDE: SYNTHESIS AND PROPERTIES
F. S. Fawcett and R. D. Lipscomb
J. Am. Chem. Soc. 86 (13), 2576-9 (1964)
61:3903a

NUCLEAR MAGNETIC RESONANCE (N.M.R.) SPECTRUM OF THE
FLUOROBERYLLATE ION
P. E. Francis and I. J. Lawrenson
J. Inorg. Nucl. Chem. 26 (8), 1462-3 (1964)
61:12813h

REACTION OF OXYGEN DIFLUORIDE WITH SULFUR DIOXIDE,
SULFUR TRIOXIDE, AND PEROXYDISULFURYL DIFLUORIDE
Gerhard Franz and Franz Neumayr
Inorg. Chem. 3 (6), 921-2 (1964)
61:3843e

NUCLEAR MAGNETIC RESONANCE OF ^{19}F IN TETRAFLUORIDES
OF URANIUM AND THORIUM
S. P. Gabuda, Yu. V. Gagarinskii, A. G. Lundin, and
G. M. Mikhailov
Zh. Strukt. Khim. 5 (5), 789-91 (1964) (In Russian)
62:2380d

NUCLEAR MAGNETIC RESONANCE OF ^{19}F IN TETRAFLUORIDES
OF URANIUM AND THORIUM
S. P. Gabuda, Yu. V. Gagarinskii, A. G. Lundin, and
G. M. Mikhailov
Zh. Strukt. Khim. 5 (5), 789-91 (1964) (In Russian)
CORRECTION OF CA 62:2380d
64:12066e

PROTON MAGNETIC RESONANCE IN HYDRATED CRYSTALS OF
URANIUM TETRAFLUORIDE
Yu. V. Gagarinskii, S. P. Gabuda, and G. M. Mik-
hailov
Zh. Strukt. Khim. 5 (3), 383-6 (1964) (In Russian)
62:3551f

ELECTRON PARAMAGNETIC RESONANCE [E.P.R.] AND NUCLEAR
SPIN ECHO IN SOLUTIONS OF OXYFLUORIDES OF PENTAVA-
LENT MOLYBDENUM
N. E. Garif'yantsev, V. N. Fedotov, and N. S. Kuch-
eryavenko
Izv. Akad. Nauk. SSSR, Ser. Khim. (4), 743-5 (1964)
61:3837e

ANTIMONY TETRAFLUORIDE MONOFLUOROSULFATE: PREPARA-
TION, PROPERTIES, AND STRUCTURE
R. J. Gillespie and R. A. Rothenbury
Can. J. Chem. 42 (2), 416-20 (1964)
60:6461d

THE ^{19}F N.M.R. SPECTRUM OF IF_7
R. J. Gillespie and J. W. Quail
Can. J. Chem. 42 (12), 2671-3 (1964)
62:3554a

INFRARED AND RAMAN SPECTRA OF CYANURIC FLUORIDE
James E. Griffiths and Donald E. Irish
Can. J. Chem. 42 (3), 690-5 (1964)
60:8785c

^{55}Mn NUCLEAR MAGNETIC RESONANCE IN ANTIFERROMAG-
NETIC RbMnF_3
A. J. Heeger and D. T. Teaney
J. Appl. Phys. 35 (3), Pt. 2, 846-7 (1964)
60:8803b

HYPERFINE INTERACTIONS IN KCoF_3
Kazuyoshi Hirakawa
J. Phys. Soc. Japan 19 (9), 1678-85 (1964)
61:12816f

PENTACOORDINATED MOLECULES. IV. MOLECULAR STRUC-
TURES OF PCl_4F , PCl_3F_2 , AND PCl_2F_3 : PURE CHLORINE
NUCLEAR QUADRUPOLE RESONANCE AND LOW-TEMPERATURE
 ^{19}F NUCLEAR MAGNETIC RESONANCE SPECTRA
Robert R. Holmes, Richard P. Carter, Jr., and
George E. Peterson
Inorg. Chem. 3 (12), 1748-54 (1964)
62:2386b

CALCULATION OF CHEMICAL SHIFTS. II. THE XENON
FLUORIDES
Cynthia Juan Jameson and H. S. Gutowsky
J. Chem. Phys. 40 (8), 2285-93 (1964)
60:12796c

THEORETICAL CALCULATIONS OF CHEMICAL SHIFTS IN NUCLEAR MAGNETIC RESONANCE: APPLICATION TO THE XENON FLUORIDES

Cynthia J. Jameson
Univ. Microfilms (Ann Arbor, Mich.), Order No. 64-6088, 74 pp.; Dissertation Abstr. 25 (1), 129 (1964)
61:15551g

ZERO-FIELD MANGANESE NUCLEAR MAGNETIC RESONANCE (N.M.R.) IN ANTIFERROMAGNETIC MANGANESE FLUORIDE

E. D. Jones and K. B. Jefferts
Phys. Rev. 135 (5A), 1277-80 (1964)
61:9072b

INFLUENCE OF DISLOCATIONS ON THE INTENSITY OF NUCLEAR MAGNETIC RESONANCE SIGNALS

O. Kanert
Phys. Status Solidi 7 (3), 791-803 (1964) (In German)
62:11315a

SHIELDING ANISOTROPIES IN XENON FLUORIDES

M. Karplus, C. W. Kern, and D. Lazdins
J. Chem. Phys. 40 (12), 3758-9 (1964)
61:6553e

EXPERIMENTAL STUDY OF THE RATE OF NUCLEAR SPIN RELAXATION IN ELECTROLYTE SOLUTIONS

N. S. Kucheryavenko
Zh. Strukt. Khim. 5 (1), 17-22 (1964)
61:3834h

SPIN-SPIN COUPLING IN THE TETRAFLUOROBORATE ION

Kark Kuhlmann and David M. Grant
J. Phys. Chem. 68 (11), 3208-13 (1964)
62:149c

NUCLEAR MAGNETIC RESONANCE IN NICKEL FLUOSILICATE BETWEEN 0.15°K AND 4.2°K

Kiyoshi Kume and Tadashi Sugawara
J. Phys. Soc. Japan 19 (5), 688-94 (1964)
61:1410e

NUCLEAR MAGNETIC RESONANCE (N.M.R.) LINE SHAPE OF FLUORINE IN APATITE

W. van der Lugt and W. J. Caspers
Physica 30 (8), 1658-66 (1964)
61:10208e

SYNTHESIS AND CHARACTERIZATION OF FLUORIMIDODISULFURYL FLUORIDE, (FSO₂)₂NF, AND DIFLUORAMIDOSULFURYL FLUORIDE, FSO₂NF₂

Max Lustig, Carl L. Bumgardner, Frederic A. Johnson, and John K. Ruff
Inorg. Chem. 3 (8), 1165-8 (1964)
61:6617h

THE RELATIVE ACCEPTOR POWER OF BORON TRIHALIDES AND BORANE TOWARD TRIMETHYLAMINE DETERMINED BY PROTON N.M.R. (NUCLEAR MAGNETIC RESONANCE) MEASUREMENTS

J. M. Miller and M. Onyszchuk
Can. J. Chem. 42 (7), 1518-23 (1964)
61:5111a

DIFLUORODIAZIRINE. I. PHYSICAL AND SPECTRAL PROPERTIES

Ronald A. Mitsch
J. Heterocyclic Chem. 1 (1), 59-60 (1964)
60:14488d

EXCHANGE OF PARTS BETWEEN MOLECULES AT EQUILIBRIUM.

I. α,ω -DISUBSTITUTED POLYDIMETHYLSILOXANES

Kurt Moedritzer and John R. Van Wazer
J. Am. Chem. Soc. 86 (5), 802-7 (1964)
60:8881f

INTRAMOLECULAR LIGAND EXCHANGE IN SEVEN COORDINATE STRUCTURES

E. L. Muetterties and K. J. Packer
J. Am. Chem. Soc. 86 (2), 293-4 (1964)
60:7661c

DIRECT ⁵⁵Mn N.M.R. (NUCLEAR MAGNETIC RESONANCE) ABSORPTION IN ANTIFERROMAGNETIC KMnF₃

A. Nakamura, V. Minkiewicz, and A. M. Portis
J. Appl. Phys. 35 (3), Pt. 2, 842-3 (1964)
60:8803a

NUCLEAR MAGNETIC RESONANCE FLUORINE-FLUORINE COUPLING CONSTANTS

Soon Ng and C. H. Sederholm
J. Chem. Phys. 40 (8), 2090-4 (1964)
60:12796f

PHOSPHORUS-31 NUCLEAR MAGNETIC RESONANCE STUDIES OF PHOSPHORUS-FLUORINE COMPOUNDS

John F. Nixon and Reinhard Schmutzler
Spectrochim. Acta 20 (12), 1835-42 (1964)
62:1229d

NUCLEAR INTERACTIONS AND ROTATIONAL MOMENT OF F₂

Irving Ozier, Lawrence M. Crapo, James W. Cederberg, and Norman F. Ramsey
Phys. Rev. Letters 13 (15), 482-4 (1964)
62:119d

THE HEXAFLUOROARSENATE ION, A PROBE FOR ION ASSOCIATION

K. J. Packer and E. L. Muetterties
Proc. Chem. Soc. 147 (May 1964)
61:3832g

MAGNETIC SHIELDING TRANSITION IN SOLID CeF₄

M. Pintar
Phys. Letters 10 (3), 265-6 (1964)
61:7850f

ANTIFERROMAGNETIC RESONANCE IN CoF₂, NiF₂, AND MnCO₃

P. L. Richards
J. Appl. Phys. 35 (3), Pt. 2, 850-1 (1964)
60:8768d

NUCLEAR MAGNETIC RESONANCE STUDIES OF BF₃ ADDITION COMPOUNDS. II. EXCHANGE OF BF₃ BETWEEN PhOMe.BF₃ AND Et₂O.BF₃

A. C. Rutenberg, A. A. Palko, and J. S. Drury
J. Phys. Chem. 68 (4), 976-8 (1964)
61:1407h

PHOSPHORUS FLUORINE CHEMISTRY. VIII. THE GROUP SHIFT THEORY, AS APPLIED TO THE ^{31}P NUCLEAR MAGNETIC RESONANCE SPECTRA OF CERTAIN PHOSPHORUS FLUORIDES
R. Schmutzler
J. Chem. Soc. 4551-7 (Nov. 1964)
62:1228b

^{19}F NUCLEAR MAGNETIC RESONANCE SPECTRA OF THE DISULFUR DIFLUORIDE ISOMERS
Fritz Seel, Rudolf Budenz, and Dietmar Werner
Ber. 97 (5), 1369-72 (1964)
61:3834a

TRIMERIC SULFANURIC FLUORIDE
F. Seel and G. Simon
Z. Naturforsch. 19b (4), 354-5 (1964)
61:3902f

INVESTIGATION OF THE CHEMICAL DISPLACEMENTS OF NUCLEAR MAGNETIC RESONANCE SIGNALS OF FLUORIDE IONS IN CRYSTALS AND SOLUTIONS
F. I. Skripov and I-Chu Wang
Wu Li Hsueh Pao 20, 41-54 (1964) (In Chinese)
65:11573c

NUCLEAR MAGNETIC RESONANCE (N.M.R.) AND MOLECULAR FIELD APPROXIMATION IN KCoF_3
Tung Tsang
J. Chem. Phys. 40 (3), 729-33 (1964)
60:7593b

MOTIONAL NARROWING OF NUCLEAR MAGNETIC RESONANCE (N.M.R.) LINES IN MANGANESE-DOPED LITHIUM FLUORIDE
T. G. Stoebe, T. O. Ogurtani, and R. A. Huggins
Phys. Rev. 134 (4A), 963-4 (1964)
60:15321d

NUCLEAR MAGNETIC RESONANCE (N.M.R.) CHEMICAL SHIFT OF F ION IN CRYSTAL AND SOLUTION
I-Chiu Wang
Wu Li Hsueh Pao 20 (1), 41-54 (1964)
61:3834e

STUDIES ON THE PREPARATION AND FLUORINE AND ITS COMPOUNDS. VIII. THE FORMATION REACTION OF GRAPHITE FLUORIDE
Nobuatsu Watanabe, Yoshiyuki Koyama, and Shiro Yoshizawa
J. Electrochem. Soc. Japan 32 (1), 17-25 (1964)
65:14820g

1965

ANTIMONY PENTAHALIDES. THE MIXED CHLOROFLUORIDES
N. E. Aubrey and J. R. Van Wazer
J. Inorg. Nucl. Chem. 27 (8), 1761-8 (1965)
63:7866f

PURE AND HF-DOPED ICE BY PULSED NUCLEAR MAGNETIC RESONANCE
Dennis Earl Barnaall
Univ. Microfilms (Ann Arbor, Mich.), Order No. 65-7867, 175 pp.; Dissertation Abstr. 26 (2), 1116 (1965)
63:15747b

NUCLEAR MAGNETIC RESONANCE STUDY OF TRIFLUORIDES OF Ce GROUP RARE EARTH ELEMENTS
E. A. Baturina, Yu. A. Luk'yanychev, and O. T. Malyuchkov
Fiz. Tverd. Tela 7 (6), 1892-4 (1964) (In Russian)
63:12532a

ISOTOPIC EXCHANGE REACTIONS OF DIFLUORAMINE WITH DEUTERIUM OXIDE AND TRIFLUOROACETIC ACID
Warren E. Becker and Fred J. Impastato
Advan. Chem. Ser. 54, 132-40 (1965)
65:4712f

CHEMICAL SHIFTS OF THE NUCLEAR MAGNETIC RESONANCE ^{19}F SIGNALS OF HYDROFLUORIC ACID AQUEOUS SOLUTIONS OF VARIOUS CONCENTRATIONS
P. M. Borodin and E. N. Sventitskii
Yadern. Magnitn. Rezonans, Leningr. Gos. Univ. No. 1, 76-82 (1965) (In Russian)
65:6544b

NUCLEAR MAGNETIC RESONANCE INVESTIGATION OF THE ELECTROLYTE STRUCTURE IN THE PHASE OF ION-EXCHANGE RESINS
P. M. Borodin, M. K. Nikitin, and E. N. Sventitskii
Zh. Strukt. Khim. 6 (2), 188-91 (1965)
63:3658b

NUCLEAR MAGNETIC RESONANCE STUDY OF THE ELECTROLYTE STRUCTURE IN THE PHASE OF ION-EXCHANGE RESINS
P. M. Borodin, M. K. Nikitin, and E. N. Sventitskii
Yadern. Magnitn. Rezonans, Leningr. Gos. Univ. No. 1, 83-9 (1965) (In Russian)
65:4694h

COMPLEXES OF BORON TRIFLUORIDE WITH FLUOBORATES
S. K. Brownstein and J. Paasivirta
Can. J. Chem. 43 (6), 1645-9 (1965)
63:2606g

SPECTROSCOPIC INVESTIGATIONS ON THE STRUCTURE OF $\text{SiF}_4 \cdot 2$ (AMINES) ADDUCTS
H. Buerger, W. Sawodny, and F. Hoefler
Monatsh. Chem. 96 (5), 1437-45 (1965) (In German)
64:9084h

NUCLEAR MAGNETIC RESONANCE OF ^{19}F IN THE SOLUTIONS OF FLUORIDES OF THE ELEMENTS OF GROUP IV
Yu. A. Buslaev, V. A. Shcherbakov, and M. E. Dyatkina
Zh. Strukt. Khim. 6 (1), 16-20 (1965) (In Russian)
63:164f

PENTACOORDINATED MOLECULES. V. THE PREPARATION AND PROPERTIES OF PClF_4
Richard P. Carter, Jr., and Robert R. Holmes
Inorg. Chem. 4 (5), 738-9 (1965)
62:14164e

IONIC COMPLEXES CONTAINING THE DIFLUOROCHLORINIUM CATION
K. O. Christe and A. E. Pavlath
Z. Anorg. Allgem. Chem. 332 (3-4), 210-16 (1965)
62:12731c

TUNGSTEN CHLORIDE PENTAFLUORIDE
B. Cohen, A. J. Edwards, M. Mercer, and R. D. Peacock
Chem. Commun. 322-3, 1965(14)
63:9418e

ONE PHOTON-TWO SPINS PROCESSES
R. Deltour and J. Jeener
Proc. Colloq. AMPERE (Atomes Mol. Etudes Radio Elec) 13, 271-2 (1964) (Pub. 1965)
64:18736a

NUCLEAR MAGNETIC RESONANCE STUDY OF SOME PARAMAGNETIC HYDRATED FLUORIDES
K. R. K. Easwaran and R. Srinivasan
Proc. Nucl. Phys. Solid State Phys. Symp., Calcutta 1965 (Pt. A), 171-80
65:11574g

TRANSITION-METAL PEROXY COMPLEXES. IV. PEROXY-FLUORO COMPLEXES
D. F. Evans, W. P. Griffith, and L. Pratt
J. Chem. Soc. 2182-4 (Mar. 1965)
62:11323a

SPIN-ROTATION INTERACTION AND MAGNETIC SHIELDING IN OF_2
W. H. Flygare
J. Chem. Phys. 42 (4), 1157-61 (1965)
62:7257a

THE CRYSTALLINE HYDRATE $UF_4 \cdot 4/3H_2O$
Yu. V. Gagarinskii, E. I. Khanaev, N. P. Galkin, L. A. Anan'eva, and S. P. Gabuda
At. Energ. (USSR) 18 (1), 40-5 (1965) (In Russian)
62:12728c

A NUCLEAR MAGNETIC RESONANCE INVESTIGATION OF ETHER-BORON HALIDE MOLECULAR ADDITION COMPOUNDS IN DI-CHLOROMETHANE
Ernest Gore and Steven S. Danyluk
J. Phys. Chem. 69 (1), 89-95 (1965)
62:4801g

NUCLEAR MAGNETIC RESONANCE INVESTIGATIONS OF SOME GROUP V METAL FLUORIDES AND OXYIONS
J. V. Hatton, Y. Saito, and W. G. Schneider
Can. J. Chem. 43 (1), 47-56 (1965)
62:6035e

MEASUREMENT BY N.M.R. OF THE DIFFUSION RATE OF HF IN ICE
Marcel Kopp, Dennis E. Barnaal, and Irving J. Lowe
J. Chem. Phys. 43 (9), 2965-71 (1965)
63:17346a

^{19}F NUCLEAR MAGNETIC RESONANCE LINE NARROWING IN LaF_3 AT $300^\circ K$
Kenneth Lee and Arden Sher
Phys. Rev. Letters 14 (25), 1027-9 (1965)
63:10882d

MAGNETIC PROPERTIES OF CoF_2
M. E. Lines
Phys. Rev. 137 (3A), 982-93 (1965)
62:5991h

SPLITTING OF ^{19}F NUCLEAR MAGNETIC RESONANCE LINE IN A Co^{2+} -DOPED NaF CRYSTAL
Amory B. Lovins
J. Chem. Phys. 42 (5), 1558-9 (1965)
62:9957c

COMPOSITION AND STRUCTURE OF CRYSTAL HYDRATES OF LANTHANUM AND CERIUM TRIFLUORIDES
Yu. A. Luk'yanychev, E. A. Baturina, and O. T. Malyuchkov
Izv. Akad. Nauk SSSR, Neorgan. Materialy 1 (12), 2182-8 (1965) (In Russian)
64:11073g

NUCLEAR MAGNETIC RESONANCE STUDIES OF PURE AND SAMARIUM-DOPED CaF_2 CRYSTALS
R. J. Lysiak and P. P. Mahendroo
J. Chem. Phys. 44 (10), 4025-9 (1965)
65:1626e

PHONON-INDUCED NUCLEAR DIPOLE TRANSITIONS
R. J. Mahler
Proc. Colloq. Ampere (Atomes Mol. Etudes Radio Elec) 13, 202-9 (1964) (Pub. 1965)
64:16799b

STEREOCHEMICAL NONRIGIDITY IN PF_3Cl_2 AND PF_3Br_2
W. Mahler and E. L. Muetterties
Inorg. Chem. 4 (10), 1520 (1965)
64:4475h

NUCLEAR RESONANCE IN SOLID NITROGEN TRIFLUORIDE
G. A. Matzkanin, T. A. Scott, and P. J. Haigh
J. Chem. Phys. 42 (5), 1646-51 (1965)
62:11318c

THE PREPARATION OF FLUORODIAZONIUM HEXAFLUORO-ARSENATE ($N_2F^+-AsF_6^-$) FROM *cis*-DIFLUORODIAZINE
David Moy and Archie R. Young, II
J. Am. Chem. Soc. 87 (9), 1889-92 (1965)
62:15741d

THE RADICAL DECOMPOSITION OF PEROXYSULFURYL DIFLUORIDE ($FSO_2\cdot OOF$) AND RELATED COMPOUNDS BY CHEMICAL AND ELECTRON PARAMAGNETIC RESONANCE METHODS
Franz Neumayr and N. Vanderkooi, Jr.
Inorg. Chem. 4 (8), 1234-7 (1965)
63:10991e

NUCLEAR MAGNETIC RESONANCE STUDIES. I. ^{19}F SPIN-SPIN COUPLING CONSTANTS. II. THE EFFECT OF SOLUTIONS ON ^{19}F SPIN-SPIN COUPLING CONSTANTS
Soon Ng
Univ. Microfilms (Ann Arbor, Mich.), Order No. 64-13,064, 71 pp., Dissertation Abstr. 25 (7), 3863 (1965)
62:15609d

N.M.R. MEASUREMENT OF EQUILIBRIUM CONSTANTS BETWEEN BORON FLUORIDE ETHYL ETHER COMPLEX AND CYCLIC ETHERS
Masahiko Okada, Katsuhiko Suyama, and Yuya Yamashita
Tetrahedron Letters 2329-32, 1965 (28)
64:558h

EXCHANGE REACTIONS IN THE SYSTEM BORON TRIFLUORIDE-METHANOL
J. Paasivirta and S. Brownstein
J. Am. Chem. Soc. 87 (16), 3593-7 (1965)
63:9430d

NUCLEAR MAGNETIC RESONANCE IN $RbMnF_3$
Richard E. Payne, Richard A. Forman, and Arnold H. Kahn
J. Chem. Phys. 42 (11), 3806-8 (1965)
63:167h

LOW- AND HIGH-TEMPERATURE MAGNETIC RESONANCE AND RELAXATION OF $NaF:Mn^{2+}$
G. A. Persyn and A. W. Nolle
Phys. Rev. 140 (5A), 1610-19 (1965)
64:194g

¹⁹F NUCLEAR MAGNETIC RESONANCE IN NaNiF₃ AND NaCoF₃
M. P. Petrov
Fiz. Tverd. Tela 7 (6), 1663-6 (1965) (In Russian)
63:7795h

NUCLEAR MAGNETIC RESONANCE IN PARAMAGNETIC TiMnF₃
M. P. Petrov and G. A. Smolenskii
Fiz. Tverd. Tela 7 (7), 2156-61 (1965) (In Russian)
63:12537d

NUCLEAR MAGNETIC RESONANCE IN RbMnF₃
M. P. Petrov, G. A. Smolenskii, and P. P. Syrnikov
Fiz. Tverd. Tela 7 (12), 3689-90 (1965) (In Russian)
64:10622d

FLUORINE-19 NUCLEAR MAGNETIC RESONANCE STUDY OF
SOME PENTAFLUOROSTANNATE COMPLEXES
Ronald O. Ragsdale and Burch B. Stewart
Inorg. Chem. 4 (5), 740-2 (1965)
62:14068a

NUCLEAR MAGNETIC RESONANCE STUDIES OF FLUORIDES OF
TRIVALENT PHOSPHORUS
G. S. Reddy and R. Schmutzler
Z. Naturforsch. 20b (2), 104-9 (1965)
63:1371f

NUCLEAR MAGNETIC RESONANCE ANALYSIS OF GLASS SENSITIVE
MATERIALS
Russell R. Reinhard
Rev. Sci. Instr. 36 (4), 549 (1965)
62:15407e

ANISOTROPY OF THE FLUORINE CHEMICAL SHIFT TENSOR IN
UF₆
Paul Rigny
Comm. Energie At. (France), Rappt. CEA-R 2827,
30 pp. (1965) (In French)
64:9112b

N,N-DIFLUORO-O-PENTAFLUOROSULFANYLHYDROXYLAMINE
John K. Ruff
Inorg. Chem. 4 (12), 1788-9 (1965)
64:1613b

THE REACTION OF ANTIMONY(V) FLUORIDE WITH TETRA-
FLUOROHYDRAZINE
John K. Ruff
J. Am. Chem. Soc. 87 (5), 1140-1 (1965)
62:11408b

THE PREPARATION AND NUCLEAR MAGNETIC RESONANCE OF
KRYPTON DIFLUORIDE
F. Schreiner, J. G. Malm, and J. C. Hindman
J. Am. Chem. Soc. 87 (1) 25-8 (1965)
62:3639h

THE PREPARATION AND OXYGEN-17 NUCLEAR MAGNETIC RES-
ONANCE SPECTRUM OF Xe¹⁷OF₄
Jacob Shamir, H. Selig, David Samuel, and J. Reuben
J. Am. Chem. Soc. 87 (11), 2359-60 (1965)
63:1374b

CORRELATION BETWEEN CATALYTIC ACTIVITY AND N.M.R.
(NUCLEAR MAGNETIC RESONANCE) CHEMICAL SHIFT OF CsF
V. A. Sokolenko, M. I. Afanas'ev, Yu. N. Molin, and
G. G. Yakobson
Reaktsionnaya Sposobnost Organ. Soedin., Tartusk.
Gos. Univ. 2 (1), 216-21 (1965) (In Russian)
64:4473a

NUCLEAR MAGNETIC RESONANCE OF POLARIZED ¹⁷F FORMED
THROUGH THE ¹⁶O(d,n)¹⁷F REACTION
K. Sugimoto, A. Mizobuchi, K. Nakai, and K. Matuda
Phys. Letters 18 (1), 38-9 (1965)
64:5970a

THE FLUOROSULFURIC ACID SOLVENT SYSTEM. II. SOLU-
TIONS OF ANTIMONY PENTAFLUORIDE, ANTIMONY TETRA-
FLUORIDE MONOFLUOROSULFATE, AND ANTIMONY PENTA-
FLUORIDE-SULFUR TRIOXIDE MIXTURES
R. C. Thompson, J. Barr, R. J. Gillespie, J. B.
Milne, and R. A. Rothenbury
Inorg. Chem. 4 (11), 1641-9 (1965)
63:17211b

ELECTRONEGATIVITY EFFECTS ON ¹¹B CHEMICAL SHIFTS IN
TETRAHEDRAL BX₄⁻ IONS
Ralph J. Thompson and Jeff C. Davis, Jr.
Inorg. Chem. 4 (10), 1464-7 (1965)
63:14365d

SILICON-FLUORINE CHEMISTRY. II. SILICON-BORON
FLUORIDES
P. L. Timmc, T. G. Ehlert, J. L. Margrave, F. E.
Brinckman, T. C. Farrar, and T. D. Coyle
J. Am. Chem. Soc. 87 (17), 3819-23 (1964)
63:10984d

HIGH ENERGY OXIDIZERS IN SOLUTION: THE SYSTEM
F₂/NF₃/HF
W. E. Tolberg, R. S. Stringham, and M. E. Hill
Am. Chem. Soc., Div. Fuel Chem., Preprints 9 (1),
136-41 (1965)
65:17768c

NUCLEAR DOUBLE RESONANCE OF ⁴³Ca IN CaF₂
R. E. Walstedt, D. A. McArthur, and E. L. Hahn
Phys. Letters 15 (1), 7-8 (1965)
63:164h

RELATIVE SIGNS OF NUCLEAR SPIN COUPLINGS IN
¹H¹¹B¹⁹F₂
Earl B. Whipple, Thomas H. Brown, Thomas C. Farrar,
and T. D. Coyle
J. Chem. Phys. 43 (5), 1841-2 (1965)
63:14237e

1966

IMPULSE N.M.R. (NUCLEAR MAGNETIC RESONANCE) STUDY
OF INTERNAL MOVEMENT IN SOME SOLIDS
A. G. Akhmedov, R. A. Dautov, and G. T. Petrov
Fiz. Tverd. Tela 8 (3), 858-61 (1966) (In Russian)
64:18732f

NONAQUEOUS SOLUTIONS OF ELECTROLYTES. I. THE ⁷⁶As
NUCLEAR MAGNETIC SPIN-LATTICE RELAXATION TIMES OF
THE HEXAFLUOROARSENATE ION
M. St. J. Arnold and K. J. Packer
Mol. Phys. 10 (2), 141-53 (1966)
64:18738b

MEASURED NUCLEAR MAGNETIC RESONANCE FREE-INDUCTION-
DECAY SHAPES AND MOMENTS FOR ¹⁹F IN CaF₂
D. E. Barnaal and I. J. Lowe
Phys. Rev. 148 (1), 328-31 (1966)
65:8218b

NITROGEN OXIDE TRIFLUORIDE
Neil Bartlett, J. Passmore, and E. J. Wells
Chem. Commun. 213-14, 1966 (7)
64:18948g

NUCLEAR MAGNETIC RESONANCE AND RELAXATION OF HEXA-
FLUORIDE MOLECULES IN THE SOLID
R. Blinc, E. Pirkmajer, J. Slivnik, and I. Zupancic
J. Chem. Phys. 45 (5), 1488-95 (1966)
65:13041a

NUCLEAR MAGNETIC RESONANCE SPECTRUM OF A NEARLY
LINEAR FIVE-SPIN SYSTEM. HYDROGEN BONDING IN
 KH_2F_3
R. Blinc, Z. Trontelj, and B. Volavsek
J. Chem. Phys. 44 (3), 1028-33 (1966)
64:911ld

NUCLEAR MAGNETIC RESONANCE STUDIES OF SOME MATERI-
ALS CONTAINING BIVALENT EUROPIUM
E. L. Boyd
Phys. Rev. 145 (1), 174-8 (1966)
64:18731c

NATURE OF Nb(V) FLUORIDE SPECIES IN SOLUTION
M. Nabi Bukhsh
Sci. Res. (Dacca, Pakistan) 3 (1), 48-51 (1966)
64:11572e

CHEMICAL SHIFTS AND NUCLEAR MAGNETIC RESONANCE
SPECTRA OF ^{19}F IN GROUPS V AND VI TRANSITION ELEMENT
FLUORIDE SOLUTIONS
Yu. A. Buslaev and V. A. Shcherbakov
Zh. Strukt. Khim. 7 (3), 345-50 (1966) (In Russian)
65:13045g

PREPARATION AND PROPERTIES OF PENTAFLUOROSULFANY-
LIMINOSULFUR DIFLUORIDE, $SF_5N:SF_2$
Alan F. Clifford and James Wood Thompson
Inorg. Chem. 5 (8), 1424-7 (1966)
65:8321f

PENTAFLUOROSULFUR IMINOSULFUR DIFLUORIDE
B. Cohen, T. R. Hooper, and R. D. Peacock
Chem. Commun. 32, 1966 (1)
64:7661a

INTERPRETATION OF THE CHEMICAL SHIFT OF ClF
C. D. Cornwell
J. Chem. Phys. 44 (3), 874-80 (1966)
64:8937h

NUCLEAR MAGNETIC RESONANCE STUDIES OF INORGANIC
FLUORIDES. II. SOLVENT EFFECTS ON J (^{29}Si - ^{19}F)
IN SILICON TETRAFLUORIDE
T. D. Coyle, R. B. Johannesen, F. E. Brinckman,
and T. C. Farrar
J. Phys. Chem. 70 (5), 1682-4 (1966)
65:6545a

NUCLEAR MAGNETIC RESONANCE STUDIES OF DONOR-ACCEP-
TOR INTERACTION IN BORON TRIHALIDE COMPLEXES. II.
DONOR STRENGTHS OF ETHYL ACETATE AND SUBSTITUTED
ETHYL ACETATES
P. G. Davies and E. F. Mooney
Spectrochim. Acta 22 (5), 953-5 (1966)
65:2095b

OSCILLATING-FIELD-INDUCED MAGNETIZATION IN SOLIDS
H. M. Einbinder and S. R. Hartmann
Phys. Rev. Letters 17 (10), 518-21 (1966)
65:17880h

THE CHEMISTRY OF BIS(MONOFLUOROCARBONYL) PEROXIDE:
GENERATION OF THE FLUOROFORMYL RADICAL AND SYN-
THESIS OF FLUOROFORMYLSULFURYL FLUORIDE
W. B. Fox and G. Franz
Inorg. Chem. 5 (5), 946-9 (1966)
65:1750a

TRIFLUORAMINE OXIDE
W. B. Fox, J. S. MacKenzie, N. Vanderkooi, B.
Sukornick, C. A. Wamser, J. R. Holmes, R. E. Eibeck,
and B. B. Stewart
J. Am. Chem. Soc. 88 (11), 2604-5 (1966)
65:6709g

NUCLEAR MAGNETIC RESONANCE AND THE ELECTRONIC
STRUCTURE OF URANIUM, THORIUM, AND ZIRCONIUM TETRA-
FLUORIDES
S. P. Gabuda, Yu. V. Gagarinskii, and A. G. Lundin
Zh. Strukt. Khim. 7 (2), 192-9 (1966)
65:3203c

THE FLUOROSULFURIC ACID SOLVENT SYSTEM. V. IODINE
TRIFLUOROSULFATE
K. J. Gillespie and J. B. Milne
Inorg. Chem. 5 (7), 1236-8 (1966)
65:4718f

THE HYDROGEN FLUORIDE SOLVENT SYSTEM. I. SOLU-
TIONS OF ANTIMONY PENTAFLUORIDE AND ANTIMONY TETRA-
FLUORIDE MONOFLUOROSULFATE
R. J. Gillespie and K. C. Moss
J. Chem. Soc., A, Inorg. Phys. Theoret. 1170-5,
1966 (9)
65:14498d

COUPLING CONSTANT AND CHEMICAL SHIFT OF TETRAFLUOR-
BORATE ION IN MIXED SOLVENTS
R. Haque and L. W. Reeves
J. Phys. Chem. 70 (9), 2753-7 (1966)
65:12918f

NUCLEAR-MAGNETIC-RESONANCE STUDIES OF CRITICAL
PHENOMENA IN MnF_2 . I. TIME-AVERAGE PROPERTIES
Peter Heller
Phys. Rev. 146 (2), 403-22 (1966)
65:1634c

PHOSPHORYL AND THIOPHOSPHORYL COMPOUNDS. IV. ^{19}F
AND ^{31}P NUCLEAR MAGNETIC RESONANCE SPECTRA OF SPF_3 ,
 SPF_2Cl , AND SPF_2Br
Hans Georg Horn and Achim Mueller
Z. Anorg. Allgem. Chem. 346 (5-6), 266-71 (1966)
65:17934e

NUCLEAR MAGNETIC RESONANCE STUDIES OF INORGANIC
FLUORIDES. I. HIGH-RESOLUTION ^{19}F SPECTRA OF
 Si_2F_6 AND $(SiF_3)_2O$
Rolf B. Johannesen, T. C. Farrar, F. E. Brinckman,
and T. D. Coyle
J. Chem. Phys. 44 (3), 962-4 (1966)
64:9112h

CONTRASTING BEHAVIOR OF BORON TRIFLUORIDE AND PHOS-
PHORUS PENTAFLUORIDE TOWARD SULFOLANE
John G. Jones
Inorg. Chem. 5 (7), 1229-32 (1966)
65:3336b

¹⁹F N.M.R. SPIN ECHO IN ANTIFERROMAGNETIC MnF₂
N. Kaplan, P. Pincus, and V. Jaccarino
J. Appl. Phys. 37 (3), 1239-41 (1966)
64:13583d

NUCLEAR MAGNETIC RESONANCE INVESTIGATIONS OF THE
STRUCTURE OF GLASSES IN THE SYSTEM NaFe-Na₂O-B₂O₃
D. Kline and P. J. Bray
Phys. Chem. Glasses 7 (2), 41-51 (1966)
64:17220b

METAL TRIFLUOROPHOSPHINE COMPLEXES. XII. IODINE
TETRAKIS(TRIFLUOROPHOSPHINE)COBALT
Th. Kruck and W. Lang
Z. Anorg. Allgem. Chem. 343 (3-4), 181-95 (1966)
(In German)
64:18938d

NUCLEAR MAGNETIC RESONANCE OF AMMONIUM HEPTAFLUORO-
ZIRCONATE
G. Lahajnar, M. Pintar, and J. Slivnik
Croat. Chem. Acta 38, 63-4 (1966)
65:114676g

¹⁹F CHEMICAL SHIFT OF DIOXYGEN DIFLUORIDE
N. J. Lawrence, J. S. Ogden, and J. J. Turner
Chem. Commun. 4, 102-3 (1966)
64:18738a

ANISOTROPY OF MAGNETIC SHIELDING OF ¹⁹F NUCLEI IN
LaF₃ SINGLE CRYSTALS
A. G. Lundin and S. P. Gabuda
Fiz. Tverd. Tela 8 (6), 1889-94 (1966) (In Russian)
65:12991e

NUCLEAR RESONANCE LINE NARROWING IN SOLIDS BY RE-
PEATED SHORT-PULSE r.f. (RADIO-FREQUENCY) IRRADI-
ATION
P. Mansfield and D. Ware
Phys. Letters 22 (2), 133-5 (1966)
65:13040b

REACTION OF THE TRIMETAPHOSPHATE ION WITH THE FLUOR-
IDE ION IN AQUEOUS SOLUTION
R. E. Mesmer
J. Inorg. Nucl. chem. 20 (2), 691-3 (1966)
64:18950a

DIFLUOROCYANAMIDE
M. D. Meyers and S. Frank
Inorg. Chem. 5 (8), 1455-7 (1966)
65:13197b

MAGNETIC PROPERTIES OF KMnF₃. III. NUCLEAR AND
ELECTRON SPIN RESONANCE
V. Minkiewicz and A. Nakamura
Phys. Rev. 143 (2), 356-60 (1966)
64:16798e

THE ¹⁹F NUCLEAR MAGNETIC RESONANCE SPECTRA OF
LIQUID AND GASEOUS FLUORINE, OXYGEN DIFLUORIDE,
AND NITROGEN TRIFLUORIDE
J. W. Nebgen, W. B. Rose, and F. I. Metz
J. Mol. Spectry 20 (1), 72-4 (1966)
65:1627c

A SIMPLE GLASS APPARATUS FOR NUCLEAR MAGNETIC
RESONANCE SPECTROSCOPY AT LOW TEMPERATURES
J. S. Ogden and J. J. Turner
Chem. Ind. (London) 1295-6, 1966 (30)
65:11575h

FLUORINE MAGNETIC RESONANCE SHIFTS IN PARAMAGNETIC
PuF₄
M. Pintar, J. Porok, and J. Slivnik
Croat. Chem. Acta 38, 61-2 (1966)
65:14676f

NUCLEAR MAGNETIC RESONANCE EVIDENCE FOR CONTACT
HYPERFINE COUPLING IN PARAMAGNETIC UF₄
M. Pintar
Phys. Status Solidi 14 (2), 291-5 (1966)
64:18728c

FLUOROPHOSPHINE LIGANDS. II. THE PREPARATION AND
CHARACTERIZATION OF DIFLUORIODOPHOSPHINE
R. W. Rudolph, J. G. Morse, and R. W. Parry
Inorg. Chem. 5 (8), 1464-6 (1966)
65:13197e

FLUOROPHOSPHINE LIGANDS. III. SYNTHESSES INVOLVING
PF₂I. THE PREPARATION AND CHARACTERIZATION OF μ-
OXOBISDIFLUOROPHOSPHINE, CYANODIFLUOROPHOSPHINE,
AND TETRAFLUORODIPHOSPHINE
R. W. Rudolph, R. C. Taylor, and R. W. Parry
J. Am. Chem. Soc. 88 (16), 3729-34 (1966)
65:11738b

THE PREPARATION AND CHEMISTRY OF N-CHLOROIMIDODI-
SULFURYL FLUORIDE
John K. Ruff
Inorg. Chem. 5 (5), 732-5 (1966)
64:17023g

NUCLEAR MAGNETIC RESONANCE IN THALLIUM HALIDES
Yushiro Saito
J. Phys. Soc. Japan 21 (6), 1072-81 (1966)
65:4871b

NUCLEAR MAGNETIC RESONANCE IN RARE EARTH FLUORIDES.
V. Saraswati and R. Vijayaraghavan
Phys. Letters 21 (4), 363-4 (1966)
65:9972a

TRANSPORT PROPERTIES OF LaF₃
A. Sher, R. Solomon, K. Lee, and M. W. Muller
Phys. Rev. 144 (2), 593-604 (1966)
64:15123d

NUCLEAR MAGNETIC RESONANCE STUDIES OF DIFFUSION IN
LITHIUM FLUORIDE
Thomas Gaines Stoebe
Univ. Microfilms (Ann Arbor, Mich.), Order No. 65-
12,875, 269 pp.; Dissertation Abstr. 26 (7), 3849
(1966)
64:12066g

MAGNETIC MOMENT OF ¹⁷F. NUCLEAR MAGNETIC RESONANCE
BY POLARIZATION FOLLOWING ¹⁶O (d,n)¹⁷F REACTION
Kenzo Sugimoto, Akira Mizobuchi, Joji Nakai, Koji
Matsuda
J. Phys. Soc. Japan 21 (2), 213-21 (1966)
64:18738c

NUCLEAR MAGNETIC RESONANCE AND ELECTRON PARAMAG-
NETIC RESONANCE SPECTRA OF LITHIUM PLATELETS IN
LITHIUM FLUORIDE
Christiane Taupin
Compt. Rend., Ser. A, B 262B (25), 1617-20 (1966)
(In French)
65:11576d

THE SYNTHESIS OF THE PERFLUOROAMMONIUM CATION, NF_4^+
W. E. Tolberg, R. T. Kewick, R. S. Stringham, and
M. E. Hill
Inorg. Nucl. Chem. Letters 2 (3), 79-82 (1966)
65:6709c

NUCLEAR MAGNETIC RESONANCE IN RbMnF_3
M. B. Walker and R. W. H. Stevenson
Proc. Phys. Soc. (London) 87 (1), 35-43 (1966)
64:5969b