

Investigation of Photoelectric Polarization of Dielectrics
by the Dynamic Capacitor Method. II., by I. K. Vital,
I. A. Tale, 20 pp.
RUSSIAN, per, Trudy Inst Fiz i Astr Ak Nauk Est SSR,
No 10, 1959, pp 220x-238.
CIA/FDD XX-1526
NO FOREIGN DISSEM

Sci - Elec
Apr 64
USIB Internal Use Only

255,173

The Influence of the Type of Host Crystal
Structure Upon the Spectral Characteristics
of Phosphors, by N. N. Kristofel, 28 pp.

RUSSIAN, per, Trudy Inst Fiz i Astron,
Ak Nauk Eston SSR, No 17, 1961, pp 3-28.
9067003

AEC Tr-5311

212, 535

Sci - Phys
Oct 62

On the Theory of Luminescent Centers in Alkali
Halide Crystal & Phosphors, by N. N. Kristoffel.
UNCLASSIFIED

RUSSIAN, per, Trudy Inst Fiziki i Astronomii, Ak
Nauk Estoneskoi SSR, Issledovaniya po Luminestsentsii,
No 7, Tartu, 1958, pp 85-111. 9676²³¹

Navy 2296/NRL 741

Sci - Physics
Sep 59

96,201

In Investigation of Luminescence Centers in Alkali
Halide Phosphors With Different Concentrations of
Activator and Microdefects of the Host Lattice, I.
Phosphors Activated With Thallium, by T. A. Abdusadykov,
5 pp. 9099216

RUSTAN, per, Trudy Inst Fiz I Astron Ak Nauk Eston
SSR No 10, 1959, pp 97-121.

AEC Tr-5002

IOT - Phys
May 62

193,707

On the Reduction of some Atmospheric Transparency
Characteristics from one Numerical Value of Solar
Constant to Another, by H. Mark.

RUSSIAN, per, *Trudy Instituta Sistem i mekhanicheskikh
Akademika Steklova RAN*, *Izdatelstvo Akademi
po fizike atmosfery*, No 2, 1960, pp 7-14.

AT&T T-63-30

Sci-EN/A
May 65

The Problem of Computing Thermal Radiation
of the Atmosphere, by H. Nillish.
RUSSIAN, per, ("Dushy Institut fiziki i aerronomii
Akademii nauk Kazakhov SSR, issledovaniya
po fizike atmosfery,) No 2, 1960, pp 67-14.
ATA T-63-30

Sci-EEA/A
May 65

Diurnal and Seasonal Variations of Albedo on
some natural surfaces in the Estonian SSR,
by K. Tooming.

RUSSIAN, per, (Trudy Instituta fiziki i atmosfery)
Akademii nauk Estonii SSR, initsiativnaia
no fizika atmosfery, No 2, 1960, pp 150-162.
ATD 1-63-30

Sci-FA/A
May 65

<p>Nõmm, U. H. and Aidla, A. K. PHOTOELECTRIC POLARIZATION OF MIXED ZINC AND CADMIUM SULFIDE PHOSPHORS. [1962] 9p. 36 refs. Order from OTS or SLA \$1.10 62-10975</p> <p>Trans. of [Akademiya Nauk Estonijskoj SSR, Tallinn, Institut Fiziki i Astronomii, Trudy 1960, no. 12, p. 249-261.</p> <p>DESCRIPTORS: *Semiconductors, *Crystal phosphors, *Zinc compounds, *Cadmium compounds, Sulfides, Mix- tures, Photoelectric effect, Polarization, Spectrogra- phic analysis.</p> <p>An intimate relationship was found between the excitation spectrum of photoelectric polarization and other spectra of the phosphors. It appeared that the internal photoelec- tric effect in the fundamental absorption band is basic- ally caused by free electrons. (Author)</p>	<p>62-10975</p> <p>I. Nõmm, U. H. II. Aidla, A. K.</p> <p>(Physics--Solid State, TT, v. 9, no. 1)</p> <p>Office of Technical Services</p>
---	---

On the Possibility of Using Stimulated Emission to
Determine the Emission Bands of Impurity Centers,
Brief Communication, by K. K. Rebane.
RUSSIAN, per, Trudy Inst Fiz i Astron Ak Nauk
Estonskoy SSR, No 15, 1961, pp 209-211.
Navy Tr 3829
APL T1010

Sci - Phys
Jun 64

261,203

Selection Rules for Nonadiabatic Transitions.
by N. N. Kristofel'. 9 pp.
RUSSIAN, per, Trudy, AN ESTSSR. Institut Fiziki
i Astronomiy, No 21, 1962, pp 12-19. 9700310
FTD-TI-65-1490

Sci/Physics

May 66

300,523

Relationship Between the Internal Photoelectric Effect and the Recombination Luminescence in Alkali Halide Crystal Phosphors, by E. S. Tiīsler, H. F. Kaambre.
RUSSIAN, per, Trudy Ak Nauk Estonskoi SSR,
Tallinn Institut Fiziki i Astronomi, Vol XXI,
1962, pp 139-172.
SLA TT-64-20092

Sci
Sept 66

309,781

Electron Emission and Recombination Luminescence
of Some Alkali Halide Salts Excited by Light by H. F. Kaambre.

RUSSIAN, per, Trudy Ak Nauk EStonskoi SSSR, Tallinn
Institut Fiziki i Astronomii, Vol XXI, 1962,
pp 173-194.

SLA TT-64-20099

Sci

Sept 66

309,777

Spectroscopic Determination of the Total Quantity
of Water Vapor in a Vertical Column of the
Atmosphere, by K. S. Shifrin and O. A. Mire.
RUSSIAN, per. (Trudy Institut fiziki i gazonomii
Akademii nauk SSSR, Izdatelstvo
po fizike gazonomii) No 4, 1963, pp 15-16.

ATD T-65-30

Sci-B4/JL
May 65

Spectral Albedo of Main Types of Natural Surfaces
in the Near Infrared, by G. Avaggo.
RUSSIAN, per, (Trudy instituta fiziki i sverkhnosti
Akademii nauk Kazakh SSR, imeni Stepanova
po fizike sverkhnosti, No 4, 1963, pp 27-4.
AT&T-43-90

Sci-E/A/
May 63

The Theory of the Radiation Regime of the
Plant Cover, by Yu. Ross and T. Nili'ev.
RUSSIAN, per, Trudy Instituta po radioastronomii
Akademii nauk SSSR, Leningrad, 1963,
no. 12, 1963, pp. 42-64.
ATD T-65-30

Sci-BA/A
May 65

Photometric Rod for Determination of Direct SO
Solar Radiation in Crops and Plant Cover, by
H. Nilitak.
RUSSIAN, per, Trudy institutu fiziki i atmosfery
Akademii nauk Ukrainskoy SSR, nauchno-tekhnicheskaya
po fizike atmosfery, No 4, 1963, pp 120-123.
ATD T-65-30

Sci-EA/A
May 65

Evaluation of the Influence of the Temperature
Dependence upon the Transmission Function of
the Results of the Computation of Thermal
Radiation in Terrestrial Atmosphere, by

I. Nillish.

RUSSIAN, per, (Izdatelstvo Akademii
Nauk SSSR, Moscow, 1964, pp 10-23.)

ATD T-65-30

Sci-EA/A
May 65

Localized Modes of Vibrations in Ionic Crystals
With an Isotopic Defect, by G. S. Zavt, N. N. Kristoffel,
15 pp.
RUSSIAN, per, Trudy Inst Fiz i Astron Ak Nauk
Estonskoy SSR, No 23, 1963, pp 3-17.
Navy Tr 3838/K NRL 970

Sci - X PHYS
Jul 64

262,951

Certain Properties of Effective Coefficient of
Atmosphere's Transparency, by N. Mitin.
RUSSIAN, per. Trudy Instituta fiziki i mekhaniki
Akademii nauk SSSR, izdannye
po fizike atmosfery, No 5, 1964, pp 5-9.
ATC T-65-30

Sci-Lab/A
May 63

On the Regularities of Variability of Daily
Totals of Diffuse Radiation, by I. Unda.
RUSSIAN, per, (Trudy in-ta kibernetiki i sputnikov)
Akademii nauk SSSR, issledovaniya
po fizike atmosfery, No 5, 1964, pp 24-34.
610 1-65-30

Sci-EA/A
May 65

The Possible Solarization in Terni, by T. Undla.
RUSSIAN, per, (Trudy inostrannih i sverkinostrannih
akademikov nauchno-tekhnicheskikh i nauchno-issledovaniy
no fiziika atmosfery), No 5, 1964, pp 39-50.

FD T-65-30

SCI-BA/A
May 65

Band Spectra of Crystals Activated With Mercury-
Like Ions, Part I, by Ch. B. Lushchik.
RUSSIAN, per, Trudy Inst Fiz i Astron Ak Nauk,
Estonakov SSR Isled po Luminescencii, No 23,
1963, pp 22-37.
*Navy/NRL

Sci - Phys
Nov 64

Polarized Luminescence of Mercury-Like Centers
in Cubic Crystals, Part II, by S. Zazubovich, 26 pp.
RUSSIAN, per, Trudy Inst Fiz i Astron Ak Nauk Estonской
SSR Issled po Lyuminestsentsii, No 23, 1963,
pp 38-59.
Navy Tr 3936/NRL 993

Sci - Phys
Nov 64

268,690

Intra- and Inter-Center Energy Migration in
Polyactivate! Alkalihalide Crystal Phosphors,
by Il. A. Soovik, 19 pp.
RUSSIAN, rpt, Trudy Instituta Fiz i Astron
Ak Nauk Estonskoy SSR. Issled po Lyumi-
nestentsii, No 23, pp 78-96.
Dept of Navy Tr 4452/NRL Tr 1044

296,468

Sci-Phys
Feb 66

The Hole Mechanism of Energy Migration in Ionic Crystals,
by Ch. B. Lushchik, G. K. Zolotarev, 4pp
RUSSIAN, per, Trudy Inst Fiz i Astron Ak Nauk Estoniysk SSR,
Izследovaniya po Lyuminescenscii,
1963, pp 224-225.

Sci - Phys
Mar 64

~~Nav-AIRL~~

May 37 1968

Cation Excitations in Ionic Crystals, by E. Ilmas, R. Klink, 441
RUSSIAN, per, Trudy Inst Fiz i Astron Ak Nauk Estonii
SSR, Ischledovaniya po Luminiscentsii, No 23, 1963,
pp 221-223.

Sci - Phys
Mar 64

11 May 1964
Yale 403795/NAC/367

Electron-Vibrational Bands of Luminescence
Centre by Taking Into Account an Harmonic
Vibration, by K. K. Rebane, et al.
RUSSIAN, per, Trudy Akad. Nauk Est. SSSR Inst.
Fiz. i Astron., No 27, 1964, pp 23-56.
NLL Ref: 5828.4F 1966 (11634)

Sci-Phys
Aug 66

309,138

Relaxation of Local Perturbation in a Quantum
Vibrational System, by A. P. Purga, 13 pp.
RUSSIAN, per. AN ESTSSR. Institut Fiziki i
Astronomii. Trudy. Issue 27, 1964, pp 57-68.

H100078668-V

FTD-MT-24-92-67

Sci-Phys
May 68

356.388

Debye Approximation in the Theory of Vibrations of Lattice with Defect Pseudolocal Vibrations, by G. Zavt.
RUSSIAN, per, Tr. AN Est. SSR Inst. Fiz. i Astronom., No 27, 1964, pp 69-84.
NLL 5828.4F 1966 (11590)

Sci-Phys
Apr 67

522,789

Calculation of the Frequency of Vibrations
and the Distortion of the Lattice Near
a Vacancy Pair in KCl, by N. N. Kristoffel,
E. E. Turkson. 11p.
RUSSIAN, per, Trudy Akademii Nauk Estonskoi
SSR, Tallinn Institut Fiziki i Astronomii,
No 27, 1964, pp 99-107.
SLA TT-66-10408

Sci-Chem
Sept 66

310,382

TT-65-14535

Field 20B

Sidlyarenko, V. I.; Lukantsever, Yu. L.; Zaitov, F. N.
INVESTIGATION OF THE PROCESSES OF FORMATION
AND DESTRUCTION OF COLOR CENTERS IN NaCl
SINGLE CRYSTALS BY MICROSCOPIC METHODS. 14p,
19refs.

Order from SLA: \$1.60 as TT-65-14535

Trans. Akademiya Nauk Estonskoi SSR, Institut Fiziki i
Astronomii, Trudy, v28 p111-20 1964.

MR 690

TT-65-14534

Field 20B, 20F

Vale, G. K.
THE MECHANISM FOR COLORING KCl-Ag CRYSTALS BY
K-RAYS. 24p, 30refs.
Order from SLA: \$2.00 as TT-65-14534

Transl. of Akademika Nauk Estonsskoi SSR, Institut Fizika
(Astrofizika), Alu, 28 p.9-110 1964.

MR 690

Borzyak, P. G.
THE PHOTO EFFECT IN SILVER-OXYGEN-CESIUM
PHOTOCATHODES,
1964) 15p) 4refs AERDL T-1718.
Order from CTS, SLA, or ETC \$1.60 TT-64-15586

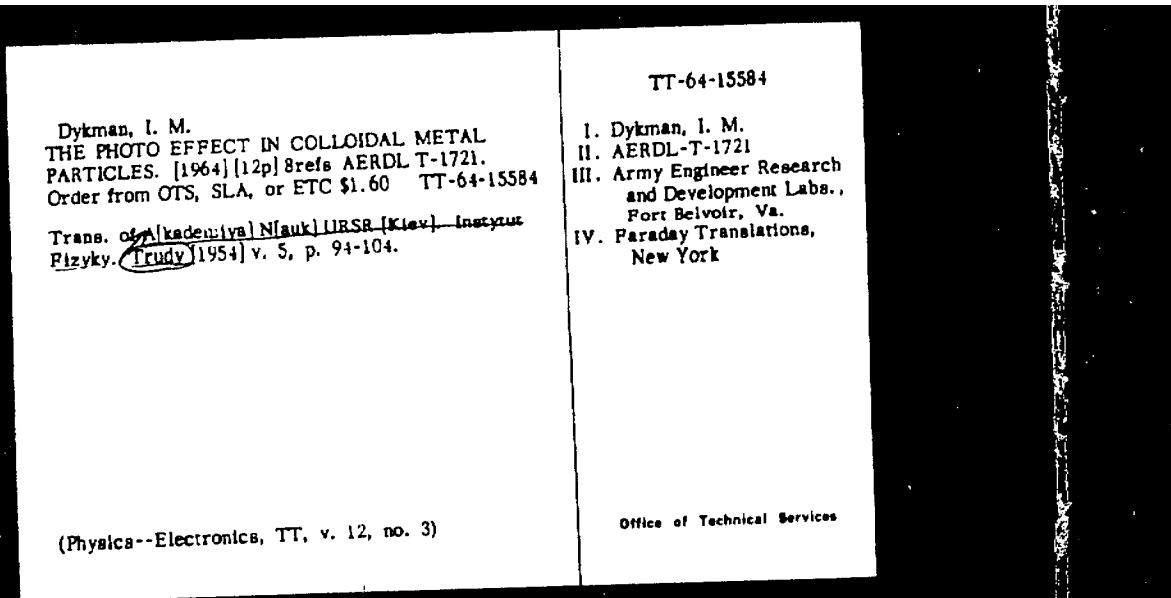
Trans. of Akademiya Nauk UkrSSR [Kiev], Institut
Fizyky, (Trudy) 1953, v. 4, p. 11-27.

(Physics--Electronics, TT, v. 14, no. 3)

TT-64-15586

- I. Borzyak, P. G.
- II. AERDL-T-1718
- III. Army Engineer Research
and Development Labs.,
Fort Belvoir, Va.
- IV. Faraday Translations,
New York

Office of Technical Services



Electric Emission of Cathodes Made from Porous Metal,^{ss} by Ya. P. Zingerman, 13 pp.

RUSSIAN ver. Trudy Inst Fiz Ak Nauk Ukr SSR,
No 7, 1956, pp 24-34.

~~SD~~
ABC Tr-4176

Sci. - ~~Atomnaya~~ Phys
20 Oct 60

129,749

On the Large-Scale Thermo-Hydrodynamical
Processes in a Baroclinic Atmosphere, by
G. I. Marchuk,

RUSSIAN, per, Trudy Inst Fiz Atmos, No 2, 1951,
AP 119-141.

FDD X-4226

Sci - Geophysics

DSIR LLU M-1519 (loan)

Apr 60

115,122

Concerning the Solution of the Non-Linear
Problem, Related to the Short-Range Prognosis of
the Pressure Field, by S. Ya. Kogan,

RUSSIAN, per, Trudy Inst Fiz Atmos, No 2, 1952,

FDD X-4222

JPKS 526

Sci - Geophysics

Apr 60

115, 118

Concerning the Short-Range Forecast of the
Pressure Field in the Mean Troposphere With the
Help of the Linearized Equation of Friedman, by
S. Ya. Kogan,

RUSSIAN, per, Trudy Inst Fiz Atmos, No 2, 1952.

FDD X-4223

3 18 1952/9

Sci - Geophysics

Apr 60

115,119

Towards the Question Concerning the Expansion by
a Small Parameter of the Solution of the System of
Equations of Hydro-Thermodynamics Applicable to
Atmospheric Processes, by G. I. Marchuk, N. M. Kireyeva,

RUSSIAN, per, Trudy Inst Fiz Atmos, 1958. (work done in
1953).

FDD X-4225
SAC 6273

Sci - Geophysics

115, 121

Apr 60

: Change of the Pressure Field in the Middle
the Troposphere, by A. M. Obukhov, A. S.
plygina.

SSIAN, per, Trudy Instituta Fiz Atmos Ak Nauk
SR, No 2, 1958, pp 23-49. 907777S

DSIR LIU M.1517
(loan)

i - Geophys

128,759

t 60

On the Transformations of Energy of the Zonal
Circulation of the Atmosphere, by A. S. Monin.

RUSSIAN, per, Trudy Instituta Fiz Atmos Ak Nauk
SSSR, No 2, 1958, pp 50-53. 9077725

DSIR LLJ M.1529
(loan)

Sci - Geophys

128, 761

Oct 60

Allowance for Non-Linear Terms in the Equations of Thermodynamics and Hydrodynamics in the Solution of Problems on Long-Range Forecasting of the Meteorological Elements, by E. N. Blinova.

RUSSIAN, per, Trudy Instituta Fiz Atmos Ak Nauk SSSR, No 2, 1958, pp 54-65.

DSIR LLU M.1531
(loan)

Sci - Geophys

1025, 601

Sep 60

On the Dynamics of Large-Scale Atmospheric
Processes, by N. I. Buleyav, G. I. Marchuk.

RUSSIAN, per, Trudy Instituta Fiz Atmos
 Ak Nauk SSSR, No 2, 1958, pp 66-104. 9075510

DSIR LLU M.1521
(loan)

Sci - Geophys

1025, 590

Sep 60

On the Theory of the Annual Variation of a Purely
Zonal Circulation, by E. N. Blinova, G. I. Marchuk.

RUSSIAN, per, Trudy Instituta Fiz Atmos Ak Nauk
SSSR, No 2, 1958, pp 105-113. 9077777

DSIR LLU M.1518
(loan)

Sci - Phys

Sep 60

125.594

The Annual Variation of the Circulation
Index, by G. I. Marchuk.

RUSSIAN, per, Trudy Institute Fiz Atmos
Ak Nauk SSSR, No 2, 1958, pp 114-118.

9077768

DSIR LIU M.1520
(loan)

Sci - Phys

Sep 60

125-591

S-793/63

On the Structure of the Wind Velocity and Temperature
Fields in the Ground Surface Layer, by A. S. Monin,
(DC-8871), 238P

RUSSIAN, per, Trudy Instit Fiz Atmosfery, No 4, 1962,
pp 5-20.

NLL Ref: 793.7578

1966 (T.R.508)

*JPRS

12/14/63

Sci ES & Astr
Sept 63

Instruments for the Measurement of Fluctuations
of Temperature and Wind Speed and for a
Statistical Analysis of the Results of Measurement,
by V. M. Bovseverov.

RUSSIAN, per, Trudy Institut Fiz Atmosfery,
No 4, 1962, pp 21-29.

NLL Ref: 5828.4 1963 (5457) (loan)

May 64

The Pulsation Spectra of the Vertical Component of Wind Velocity and Their Relations to the Micrometeorological Conditions, by
A. S. Gurvich,
Russian, per, Tr. Inst. Fiz. Atmosfery AN
SSSR, No 4, 1962, pp 101-130.
NLL 7773.757 B (T-R-509)

Sci-Atmos Sci
Apr 67

322,919

The Frequency Spectrum of Small-Scale
Temperature Pulsations, by A. S. Gurvich,
T. K. Kravchenko.

RUSSIAN, per, Trudy Akad Nauk SSSR, Institut
Fiziki Atmosfery, No 4, 1962, pp 144-146.
AFCRL T-R-581

P100160767

Sci-Techonomy and Astrophysics 327,285

AMXERXXXXXRMNMXXK

THE SCATTERING OF ELECTROMAGNETIC WAVES BY TURBULENT
INHOMOGENEITIES OF THE TROPOSPHERE, BY V. I. TATARSKIY
G. S. GOLITSYN, 118 PP.

RUSSIAN, PER, TRUDY INSTITUTA FIZ ATMOSFERY,
ATMOSFERNAYA TURBULENTNOST, NO 4, 1962, PP 147-202.

JPRS 21717

SCI-EAR SCI & ASTRON
NOV 63

240,680

Experimental Investigation of Sound Wave Scattering
in the Atmosphere, by N. A. Kallistratova, 77 pp.

RUSSIAN, bk, Trudy Inst. Atm. Atmosfernye,
Turbulentsnost', No 4, 1962, pp 203-256. 965410

FID-TR-63-441

Sci-Electronics

Sep 63

343,576

<p>Boenkov, M. V. THE DIURNAL COURSE OF THE CRITICAL FRE- QUENCIES OF THE E-LAYER OF THE IONOSPHERE, tr. by Tatiana O. Nennsberg. 5 Oct 61 [29]p. (tables omitted) 12 refs. Order from OTS or SLA \$2.60</p> <p>Trans. of Akademiya Nauk Turkmenskoi SSR, Ashkhabad, Institut Fiziki i Geofiziki, [Trudy], 1958, v. 5, p. 47-74.</p> <p>DESCRIPTORS: *Ionosphere, Frequency, *Diurnal variations, Night sky, *Ionization, *Geophysics, Atmosphere.</p> <p>(Earth Sciences--Atmosphere, TT, v. 9, no. 12)</p>	<p>63-15790 I. Boenkov, M. V. 63-15790 Office of Technical Services</p>
--	---

The Influence of Copper and Aluminum Additions on the
Temperature Dependence of the Anisotropic Self-
Diffusion Coefficient in Single Crystals of Zinc,
by I. A. Nankidashvili, 9 pp.

RUSSIAN, per, Trudy Inst Fiz Georg Ak Nauk, Vol XVI,
No 7, 1955.

CIA/FDD/X-2977

USSR
Scientific

68,170

62-18853

Akimov, G. V., Stoklitskii, L. I and others.
APPARATUS FOR MICROELECTROCHEMICAL COR-
ROSION STUDIES. [1962] [14p. 5 refs.
Free copies available from Boeing Scientific Research
Labs. Library as Boeing Trans. R42. When supply is
exhausted, order from OTS or SLA \$1.60, 62-18853

Trans. of Akademiya Nauk SSSR. Institut Fizicheskoi
Khimii. Trudy, 1951 [v. 2] no. 2, p. 62-68.

DESCRIPTORS: *Electrochemistry, *Corrosion re-
search, Test equipment, *Microscopy, Capillary
tubes, Measuring devices (Electrical and Electronic),
Electric potential, Measurement.

In these studies, using micromanipulation technique,
the distribution of the potentials on the structural com-
ponents were measured and polarization curves were
taken from one electrochemical phase, isolating the
(Metallurgy--Corrosion, TT, v. 9, no. 4) (over)

- I. Akimov, G. V.
- II. Stoklitskii, L. I
- III. Boeing Trans-R42
- IV. Boeing Scientific Research
Labs., Seattle, Wash.

Office of Technical Services

Gintsberg, S. A., Levin, I. A. and Yamshchikov,
I. N.
APPARATUS FOR THE INVESTIGATION OF THE
ELECTROCHEMICAL BEHAVIOR OF VARIOUS
METALS IN CONTACT. [1964] 6p (figs omitted) 1ref
Order from OTS, SLA, or ETC \$1.10 TT-64-14895

Trans. of Akademiya Nauk SSSR, Institut Fizicheskoi
Khimii. Trudy, 1951 [v. 2] no. 3, p. 79-82.

TT-64-14895

I. Gintsberg, S. A.
II. Levin, I. A.
III. Yamshchikov, I. N.

(Metallurgy--Corrosion, TT, v. II, no. 11)

Office of Technical Services

Some Relations in the Growth of Anodic Oxide Films
on Aluminum in Sulfuric Acid Solution, by N. D.
Tomashev, A. V. Byalobzheskiy.

RUSSIAN, per, Trudy Inst Fiz Khim, Vol II, No 1,
1951, pp 136-145.

Assoc Tech Sv
RJ-315
39, 868

Sci - Chemistry
Oct 1956 CTS/dex

Hydrogen and Oxygen Depolarization in the Corrosion
of Metals, by N. D. Tomashov, T. V. Matveyeva, 33pp.

RUSSIAN, per, Trudy Inst. Khim. Nauk SSSR,
Vol II, No 1, 1951, pp 146-165.

OTS TR-63-20529

Assoc Tech Sv

Tr RJ-607

\$18.75

52,243

SLA - TR 64-20193

Sci - Min/Metals, metallurgy

Sep 57

A Study of the Electrochemical Corrosion of
Magnesium, by N. D. Tomashov, V. S. Komissarova,
N. A. Timonova, 34 pp. UNCL

RUSSIAN, per, Trudy Inst Fiz Khim Ak Nauk SSSR,
no 4, 1955, pp 172-197.

Sci Mus Lib 58/2000

Sci - Chem
Mar 59

73,404

Irreversible Potentials and Corrosion Resistance
of Metals, by A. Ya. Shatalov,

RUSSIAN, per, Trudy Inst Fiz Khim Ak Nauk SSSR,
No 5, 1955, pp 237-256.

BISI 1442

Sci - Min/Met

Dec 60

134,021

Influence of Nickel on the Strength of Austenitic
Manganese Steels, by V. T. Biryulin, V. D.
Sadovskiy.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Fiz Khim,
No 19, 1956, pp 66-71.

*BISI 2018

Sci - Min/Met

Jan 61

Electro-physiological Characteristic and the
Functional Significance of Afferent Impulses From
the Receptors of the Intestinal Wall, by O. N.
Zamistina,
RUSSIAN, per, Trudy Instituta Fiziologii Imeni
I. P. Pavlova, Vol 3, 1954, pp 193-208
MLL RPS 3251
(ON LOAN OR PURCHASE)

Sci - Biochem
May 67

325, 876

Micro-Electrochemical Methods for
Investigating the Structure of Corrosion, by
O. G. Deryagina.

RUSSIAN, per, Trudy Inst Fiz Khim Ak Nauk SSSR, Vol VI,
No 2, 1957, pp 69-78.

NLL RTS 2312 (Loan)

Sci
Feb 64

An Instrument for Making Corrosion and Electro-Chemical Measurements on a Rotating Electrode Under Irradiation, by V. D. Volkov.

RUSSIAN, per, Trudy Inst. Fiz. Khim. Akad. Nauk SSSR, Vol VII, No 5, 1959, pp 139-140.

CMB 2512

Sci - Chemistry
Feb 63

222,510

An Electrochemical Method for Investigating the
Atmospheric Corrosion of Metals, by Ex G. B.
Klark, M. I. Mikhailovskaya, Yu. N. Mikhailovskaya,
13 pp.

RUSSIAN, per, Trudy Inst Fiz Khim, Ak Nauk SSSR,
No 6, 1959, pp 11-21. 9093258

ABC Tr-5008

375 62-10113
190,380

Sci - Phys, Chem
Apr 62

Method of Determination of the Rate of Corrosion
Processes Under Thin Films of Electrolyte, by N. D.
Tomashev, G. K. Berukashis, 9 pp.

RUSSIAN, per, Trudy Inst Fiz Khim, Ak Nauk SSSR,
No 7, 1959, pp 5-10. 9099895

AMC Tr-5009

Sci - Phys, Chem
May 62

196, 816

Investigations of Metal Corrosion, by I. Rozenfel'd,
et al.

RUSSIAN, Trudy Ak Nauk SSSR. Institut Fiz Khimii,
No 7, 1959, pp 22-30.

CSIRO/No 5692

Sci
Feb 63

A Method for Obtaining Anode Curves by Means of
Cathode Polarization, by E. N. Mirolyubov, M. M.
Kurtepov, N. D. Tomashov, 4 pp.

RUSSIAN, per, Trudy Inst Fis Khim, Vol V, No 7,
1959, pp 51-53. 9093266

ABC Tr-5005

Sci - Phys, Chem
Apr 62

190, 381

Application of an Ohmic Capacitative Method for the
Study of the Behavior of Protective Films During
Corrosion of Metals in the Stressed Condition, by
A. D. Tomashov, N. I. Isayev, 9 pp.

per,
RUSSIAN, Trudy Inst Fiz Khim, Ak Nauk SSSR, No 7,
1959, pp 78-84. 40:11:97

ABC Tr-5007

Sci - Phys, Chem
May 62

196,815

Application of a Method of Polarization With Intermittent Current to the Study of the Corrosion Processes in Media of High Ohmic Resistance, by Yu. N. Nikhailovskiy, I. D. Ternashov, 14 pp.

RUSSIAN, per, Trudy Inst Fiz Khim Ak Nauk SSSR,
no 7, 1959, pp 85-95. 9091896

ABC Tr-5006

Sci - Phys, Chem
May 62

196, 814

Amplifiers for Automatic Tracing of Electrochemical Potentials, by N. I. Isayev, N. D. Tomashov, 11 pp.

RUSSEIN, per, Trudy Inst Fiz Khim, Ak Nauk SSSR,
No 7, 1959, pp 96-104. 9093302

AEC Tr-5004

Sci - Phys, Chem
Apr 62

191, 283

Investigation of Technological Lubricants Based
on Salt Mixtures for Hot Rolling of Tubes, by
G.A. Rodionova, Ya.S. Finkel'shteyn, et al
21 pp.

RUSSIAN, per, Ak Nauk SSSR. Institut Fizicheskoy
Khimii. Fiziko-Khimicheskiye Zakonomernosti
Deystviya Smazok Pri Obrabotke Metallov Dav-
leniyem, 1963, pp 124-135. P100030866
FTD-MT-65-118

Sci/Physics
Oct 66

309,492

Investigation of Protective Films on Metals
by the Method of Electrical Resistance, by
G. V. Akimov, 66 p.

RUSSIAN, per, Partial trans, Ak Nauk SSSR,
Trudy Inst Fiz Khim, Issledovaniya ~~no~~
Korrozii Metallov, 1952, Vol III, No 4,
pp 3-60.

SLA 59-17788

Sci
Feb 60
Vol 2, No 9

Investigation of Processes Taking Place on
Aluminium Electrodes, During Anodisation,
by N. D.] Tomashov, A. V. Byalobzheskiy.

RUSSIAN, per, Trudy Inst Fiz Khim Ak Nauk, No 5,
Zh Isaledovan Korrozi Metal, No 4, 114-124.
CIA 9004655

TIL No 4771

48,473

Sci - Electronics

Experiments on the Storage of Electrons in a
Synchrotron, by Yu. N. Ado, Ye. G. Vessanov, et al,
13 pp.

RUSSIAN, per, Trudy Inst Fiz im. P. N. Lebedeva,
Ak Nauk SSSR, 1963.
AEC-SLAC-TX-13

Sci - NS
Aug 65

287,420

Several Ternary Compounds of the Type -
 $A^I B_2^{IV} C^V S$, by V. I. Sokolova,
Ye. V. Tsvetkova, 8 pp.
RUSSIAN, per, Trudy Inst Fiz i Matemat.
Ak Nauk SSSR, 1964, pp 168-172. 9699831
FTD-TT-65-765

Sci - Phys
Mar 66

297,612

Temp. Dep. of Viscosity on Diphenyl Ether, by
Kh. M. Khajililov.

RUSSIAN, per, Trudy Inst Fiz i Mat Ak Nauk Azerb
SSSR, Ser Fiz, No 5, 1951, pp 48-53.

*ATIC

Sci - ~~Physics~~ Chem
Jun 57

Determination of Diffusion Coefficients of Certain Ions in Selenium by the Beta-Ray Absorption Method, by A. A. Kuliev. UECI.

RUSSIAN, per, Trudy Inst Fiz i Mat; Ser Fiz, Ak Nauk Azerbaijanskoy SSR, Vol IX, II 1958, pp 5-9.

DSIR LIU RMS 1293

(~~SECRET~~) (108. od.)

Sci - Phys
Feb 60

108, 347

The Effects of Gamma and X-Rays on the
Electrical Properties of Cadmium-Selenium
and Cadmium-Sulfur Semiconductors, by
M. A. Talibi, 14 pp.
RUSSIAN, per, Trudy Inst Fiziki i Mat.,
Ser Fiz, Ak Nauk AzerBSSR, 1958,
pp 10-19. 9699650
ITD-TI-64-1161

Sci - Elec
Feb 66

296,342

The Effect of Iodine on the Electrical
and Some Thermal Properties of Selenium,
by M. I. Aliev. UNCL

RUSSIAN, por, Trudy ~~zast~~ Fiz i Mat: Ser
Fiz Ak Nauk Azerbaidzhansk SSR, Vol IX,
1958, pp 27-39.

DSIR LRU RTB 1295

■■■ (ii. 10s. 0d.)

Sci - Phys
Feb 60

108,349

Investigation of the Resistance to
Plastic Deformation on the Part of Chromium
With Molybdenum by the Method of Hot
Hardness, by D. A. Prokoshkin,
N. P. Matveyeva, et al. 6 pp.
RUSSIAN, PCR, Trudy Inst Metall im.
A. A. Baykova Issled Po Zharoprochnym
Splavam, Vol VII, 1961, pp 210-213.
9697153
FTD-TT-64-1297

Sci-M7n
Jun 65

282,233

(NY-3910)

13

Problems on the Theory of Heat Resistance of
Alloys, 255 pp.

RUSSIAN, bk, Trudy Instituta Fiziki Metallov --
Voprosy Teorii Zharoprochnosti Metallicheskikh
Splavov, No 4, 1958, pp 3-94, 101r/62-

JPRS 5024

Sci - Min/Metals

STS 60-1176

Aug 60

121,729

Electromagnetic Pumps for Liquid Metals, by I. A.
Tyutin, et al. UNCLASSIFIED

RUSSIAN, per, Trudy Inst Fiz Prik Magnitogid Ak Nauk
Latviyskoy SSSR, Vol VIII, 1956, pp 25-49.

*DSIR/TCL 111

Sci - Engr
Nov 58

Proceedings of the Institute of Physics, by P. M.
Marchuk. UNCLASSIFIED

RUSSIAN, per, Trudy Instituta Fiziki, Ukrainskoy SSR,
N Kiev, ~~Ukrainskoj Akademii Nauk~~, No 7, 1956,

*ATIC MCL-798/1 plus 2 plus 3 plus 4

Sci - Physics
Jan 61

PP 3-105 OTS-60-18512
17-83-SLA-R-3018
14-34-ABC-4176

Electrical Properties of Chromium Sulphides,
by I. G. Fakidov, N. P. Grashankina. UNCLASSIFIED

RUSSIAN, per, Sredy Inst Fiz Metallov, Ural'skiy Filial
Ak Nauk SSSR, No 15, 1954, pp 65-59. 9093708

Sci Mus Lib 57/4480

Sci - Chem
Sep 58

73,389

On the Diffusion Front Shape During the Diffusion
of Nickel and Some Other Elements in Iron, and
About the Effect of Small Quantities of Dissolved
Impurities, by V. I. Arkharov, et al. UNCLASSIFIED

RUSSIAN, per, Trudy Inst Fiz Metallov, Ural'skiy
Filial, Ak Nauk SSSR, No 16, 1955, pp 56-8 61.

Sci Mus Lib 57/4475

73,462

Sci - Phys
Sep 58

On the Acceleration of the Aging Process of
Aluminium-Copper Alloys Under the Influence of
Small Impurities of Silver or Zinc, by V. I. Arkharov
et al.

RUSSIAN, per, Trudy Instituta Fiz. Metal., Ak. Nauk
SSSR, Ural'skiy Filial, No 16, 1955, pp 91-96.

Co-Op Trans Sch Tr 256
£1.10s. (6s.Od.)

Sci - Chemistry

44, 465

Micro-Radiographic Investigation of the Internal
Inter-Crystallite Adsorption of Silver in an Alloy
of Aluminium and Silver, by V. I. Arkharov, N. N.
Skornyakov, 10 pp.

RUSSIAN, per, Trudy Institut Fiz Metallov, Ural'skiy
Filial, Ak Nauk SSSR, No 16, 1955, pp 97-100.

Sci Mus Lib Tr 57/019A
S

Sci - Chem
Jun 57

48,467

Structural Steel Fractures, by V. D. Sadovskiy,
K. A. Malyshev, 16 pp.

RUSSIAN, per, Trudy Instituta Fiz Metalloy,
No 17, 1956, pp 111-118. 9660537

ATIC MCL-565

Sci

Apr 61

147,393