

84

Use of the Method of "Removal Cross
Section" For the Computation of
Shielding Not Containing Hydrogen, by
D. L. Broder, et al.
RUSSIAN, rpt, Voprosy Fiziki Zashchity
Reaktorov, 1963, pp 52-60.
NASA TT F-10,155

D. L. Broder

Sci- Phys
Jul 66

306,512

Brodersen, Karl and Quaedvlieg, Matthias.
PRODUCTION OF SULFONATED CONDENSATION
PRODUCTS OF HIGH MOLECULAR FATTY ACID
ESTERS AND AROMATIC HYDROCARBONS. [1964] 2p
Order from SLA \$1.10 TT-64-14874

Trans. from [Seifen-Öle-Fette-Wachse] (Germany) 1937
[v. 64] 19 May, p. 357 (German patent 644,131 [appl.
4 May 30, pub. 8 May 37, granted 28 May 37, by
I. G. Farbenindustrie A. G.]).
Another trans. is available from LC or SLA mi\$1.80,
ph\$1.80 as TT-60-14938, 5 Aug 37, 2p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14874

I. Brodersen, K.
II. Quaedvlieg, M.
III. Patent (Germany) 644 131

283337

Office of Technical Services

Brodersen, Karl and Quaedvlieg, Matthias.
PRODUCTION OF SULFONATED CONDENSATION
PRODUCTS OF HIGH MOLECULAR FATTY ACID
ESTERS AND AROMATIC HYDROCARBONS. [1964] 2p
Order from SLA \$1.10 TT-64-14874

Trans. from [Seifen-Öle-Fette-Wachse] (Germany) 1937
[v. 64] 19 May, p. 357 (German patent 644,131 [appl.
4 May 30, pub. 8 May 37, granted 28 May 37, by
I. G. Farbenindustrie A. G.]).
Another trans. is available from LC or SLA mi\$1.80,
ph\$1.80 as TT-60-14938, 5 Aug 37, 2p.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-14874

I. Brodersen, K.
II. Quaedvlieg, M.
III. Patent (Germany) 644 131

283337

Office of Technical Services

Apparatus for Exterminating Weeds, Especially
Thistle, by ~~Karl Brix, Grete Luise and Brodersen,~~
4 pp. Grete Luise Brix and Karl Brodersen.

GERMAN, Patent Klasse 47k, Group 4, 11 Feb 1930.

S.L.A. Tr 71

32,753

EUR - Germany

Scientific - Engineering *Ecology*

Age Changes in the Dentine I. Stratification of the
Dentine Lamellae and Reconstruction on the Tuberculum
Dentale, by Max Brodersen, 23 pp.

GERMAN, Gegenbaurs Morph. Jahrb, Vol LXV, No 3,
1931, pp 465-480.

CIA/FDD/X-597

16,654

Scientific - Medicine

The Asnses Hydroelectric Plant, by Th. Brodersen.

DANISH, per, Ingenioren, Vol LKVIII, No 12, 1959,
parts of pp 377-394. Call No TA4, I46, Eng Tr)

AMS

NoE - Denmark

Econ

Jan 60

106,223

(SF-2218)

ON THE REMOVAL OF IONS FROM THE ORGANISM BY DIRECT CURRENT, BY B. M. BRODERSON, 11 PP.

RUSSIAN, PER, VOPROSY KURORTOLOG, FIZ I LECHENIY
FIZ KULTURY, VOL XXVII, NO 1, 1962, PP 55-61.

JPRS 14271

SCI - MED
JUL 62

202,066

Ladle brick and stopper pipes made of Kyshtym
enriched kaolin, by G. G. Brodetskiy, P. A. Lande,
5 pp.

RUSSIAN, per, Ogneupory, No 9, 10, 1960, pp 443-448.

Acta Metallurgica

Sci

Mar 62

186, 119

Automatic Regulation of Hot Blast Stove Heating,
by Brodetsky, Pikalov. UNCLASSIFIED

RUSSIAN, per, Stal, Jan 1958, pp 21, 22.

British Iron & Steel
~~.....~~
Ind Tr 883
(S.I.D.O.)

Sci - Eng
Apr 58

62,595

Experimental Investigations of the Psycho-Physical
Fundamental Formula With Reference to the Sense of
Sight, by Arthur Konig, Eugen Brodhun, 6 pp.

GOVERNMENT USE ONLY

GRUNN, per, Sitzungsberichte der Physikalisch-
Mathematischen Classe, 27 June 1889, pp 641-644.
AKK/ISRC/HR-23-647-71

Eugen Brodhun

July 71

Protection of Concrete Work for Navigation Structures,
by A. G. Romko, 7 pp.
RUSSIAN, in, Opyt Stroitel'stva Morskikh Zheleznykh
Dorozh, 1948, pp 183-188. 9497683
ACN 3-2134-A
ID 234625

Sci - Eng
Apr 64

234,663

The Red Coloration of Minerals in Uraniferous Veins, by
Yu. M. Dymkov, B.V. Brodin, 7 pp.

RUSSIAN, per Atom Energ, Vol X, No 1, 1961, pp 35 - 42.

CB

191,749

Sci
Apr 62

Liquid and Gas Flow Measurements. Automatic
Equipment for Testing Gas Meters With a
Rating up to 1000 m³/hr., by I. S. Brodin,
6 pp.

RUSSIAN, per, Izmeritel Tekhnika, No 5, 1962,
pp 53-56.

ISA

Sci
Doc 52

252,744

Investigation of Dispersion Peculiarities and of
the Form of Exciton Absorption Bands in CdS
Single Crystals, by M. S. Brodin and M. I.
Strashnikova, pp 6.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 9.
1962, pp 2454-2460.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 9

Sci

Jun 63

340,596

Optical Properties of CdS Monocrystals, by M. S.
Brodin, 5 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol II, No 9, 1960,
pp 2152-2157.

AIP
Sov Phys - Solid State
Vol II, No 9

Sci

Apr 61

144, 518

Relation between the absorption and dispersion
in crystals as evinced in the case of 1,
2-benzanthrene, by M. S. Brodin and M. S. Soskin, *ibid.*

RUSSIAN, per, *Iz Ak Nauk SSSR, Ser Fiz*, Vol
XXII, No 11, 1958, pp 1316-1319.

Columbia Tech

Sci

Jan 60

106,834

On an Experimental Demonstration of the Existence of
Additional Anomalous Light Waves in a Crystal in the
Exciton Absorption Region, by M. S. Brodin, S. I.
Pekar, 6 pp.

FUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII,
No 1, 1960, pp 74-81.

Amer Inst of Phys
Sov Phys - JETP
Vol XI, No 1

Sci
Aug 60

122,180

Investigation of the Absorption Spectra of
1,2-Benzanthracene Single Crystals in the
Region of Lowest Electronic Transitions, by
M. S. Brodin, M. S. Soskin, 4 pp.

RUSSIAN, per, Optika i Spektro, Vol VI, No 5,
1959, pp 600-604.

Optical Society
of America

Sci

103,826

Dec 59

On the Breakdown of the Kramers-Kronig
Dispersion Relations in Molecular ERM Crystals
at Various Temperatures, by M. S. Brodin,
A. F. Prikhot'ko, M. S. Soskin, 3 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol VI,
No 1, 1959, pp 28-32.

Optical Soc of Amer
Amer Inst of Phys

Aug 59

94,020

J-1074/64

Switzerland -- Nasser's Eagle's Nest?, by
Roman Brodmann, 7/18.

GERMAN, np, Zuercher Woche, 17 Jul 64.

*JPRS/NY-9322/Special

WEur-Switzerland

Pol

Aug 64

(FDD 21991)

The Problem of Noise in the Sleep Therapy Ward,
by A. Brodniewicz, 22 pp.

POLISH, bino per, Polskie Archiwum Medycyny
Neuropsychiatry, Vol XXIV, No 3, Warsaw, May/Jun 1954,
pp 245-256.

CIA/FDD/U-6902

REur - Poland
Sci - Medicine
CIB 68/May 55

25, 264

DEBATE ON NENNI'S REPORT TO THE CENTRAL
COMMITTEE, BY BRODOLINI, FOA, 10 PF.

ITALIXAN, NP, AVANTI, NO 236, 20 OCT 1962,
PP 8-9.

JPRS 16401

WEUR - ITALY

POL
DEC 62

217,224

FUNDAME

The Desorption of Benzole Hydrocarbons From Wash
in Columns With Downfall Plates, by A. I. Brodov
M. E. Zolotnitskaya, N. M. Perman, 4 pp.

RUSSIAN, per, Koks i Khim, No 4, 1961.

CTRA

Sci

Oct 61

172,874

Graphical-Analytical Method for Plotting the Volt-Ampere Characteristic of a Dipole Containing a Transistor, by N. I. Brodovich, 6 pp.

RUSSIAN, bino per, Avto i Telemekh, Vol XVII, No 4, Apr 1956, pp 335-339.

Consultants Bureau

Sci -
Feb 1957 CTA/dax

48,618

Inform. on Sci. in 1957

(SF-2256)

THE STATUS OF GEOPHYSICAL RESEARCH~~X~~ IN
KAZAKHSTAN, BY V. V. BRODOVOY, M. D. MOROZOV,
17 PP.

RUSSIAN, PER, IZ AK ~~X~~ NAUK KAZAKHSKOY SSR,
SER GEOLOG, NO 4, OCT/DEC 1960, PP 37-52.

JPRS 14139

SCI - GEOPHYS

JUN 62

199,998

Thermal Stresses in Cubic Crystals, by E. N.
Grechushnikov, D. Brodovskiy, 4 pp.

RUSSIAN, per, Kristallografiya, Vol I, No 5,
1956, pp 597-599.

SLA 59-19607

Sci

QNS, Vol III, No 7

Nov 60

133,037

On the Equations of Motion of Finite Masses in the
General Theory of Relativity, by M. F. Shirokov,
V. M. B. Brodovskiy, 6 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXI, No 6, Dec 1956, pp 1027-

Amer Inst of Phys
Sov Phys, JETP
Vol IV, No 6

Sci - Physics
Aug 57

51,908

(NY-1374/42)

The Clinical Aspects of Serous Meningitis,
by N. N. Okhrimenko, V. K. Brodovskiy,
L. P. Myasoyed

RUSSIAN, mo per, Voenno Med Zhur,
No 5, Moscow, May 1961, pp 46-47

170, 408

US JPRS: 10052

Sci

Sep 61

The Significance of Pneumoencephalography
in the Diagnosis and Medical Board Evalua-
tion of Closed Brain Trauma, by N. N.
Okhrimenko, V. K. Brodovskiy

RUSSIAN, no per, Voenno Med Zhur, No 9,
Moscow, Sep 1959, pp 68-70

Sci

US JPRS 2061-N
102,981

B. Kh. Brodskaya

Use of Electric Current for the Purpose of Preparing
Oil Shale Layers for Underground Strip Mine Gasification,
by B. Kh. Brodskaya, 28 pp.

RUSSIAN, rpt, Primenenie Elektricheskogo Toka S Tsel'yu
Podgotovki Slantsevykh Plastov K Besshakhtnoi Podzemnoi
Gazifikatsiy, 1959.

NTIS TT 70-53098

Sept 71

Alterations in Gastric Function Produced by the Action
of the Antigen of the Dysentery Bacillus upon the
Intestinal Mucous Membrane, by E. A. Brodskaya, 5 pp.

RUSSIAN, per, Byul Ekaper Biol i Med, Vol XLV,
No 4, 1958, pp 53-56.

Consultants Bureau

Sci - Med

Nov 58

76,9/3

An Experimental Model of Dysentery Infection, by
N. N. Sirotinin, I. V. Ovsyevskaya, E. A. Brodskaya,
L. L. Gromashevskaya, 5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobiol,
Vol XXIX, No 3, 1958, pp 14-17.

Pergamon Inst

Sci - Med
Feb 59

80, 115

Lithologic-Tectonic Complexes in Tertiary Deposits of
Sakhalin and Their Associated Sedimentary Mineral
Resources, by N. G. Brodskaya, M. A. Zakharova,
13 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog, No 7,
1960.

AGI

Sci

Mar 62

186,047

(NY-6422

Bottom Deposits and Processes of Sediment Formation in the Aral Sea, by N. G. Brodskaya, 148 p

~~RUSSIAN~~, monograph,

RUSSIAN, per, Trudy Instituta Geologicheskikh Nauk Akademii Nauk SSSR, No 115 (57), 1952, pp 1-104

JPRS 9885

Sci - Geophys

165, 317

Aug 61

Forms of Iron in Recent Sediments of the Okhotsk
Sea, by N. G. Brodskaya, T. G. Martova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV,
No 1, May-Jun 1957, pp 165-168.

Consultants Bureau

Sci - Geophysics
Aug 58

69,344

Report of Additions of Certain Gels and
Other Solutions on the Degeneration of
Artificial Soda Liquors, by N. I. Bredakaya,
N. S. Garber, S. S. Yordan, 6 pp.

RESEARCH, per, Zhur-Prik Khim, Vol XXXI, No 1,
1958, pp 13-18

Consultants Bureau

Sol - Chem

Mar 59

82, 664

The State and Perspectives of the Work
Development on the Underground Gasification
of the Baltic Combustible Shale, by M. Ya.
Oubergrits, B. Kh, Brodakaya, 14 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya
Ugley, No 1, 1959, pp 3-9.

OTS 60-16588

Sci
10 Mar 62
Vol 4, No 4

187, 750

The Turnover Rate of Glycogen and Glucose in
Brain and in Liver of Hypoxemic Rats;
by M. I. Prokhorova, N. I. Brodskaya,
G. P. Sokolova, 13 p.

RUSSIAN, per, Voprosy Med Khim, 1957, Vol. III,
No 4, pp 275-285.

SLA 59-17374

Sci
Jan 60
Vol 2, No 8

105413

Regeneration of Oxythiocarbonate Solutions, by N. I.
Brodskaya, M. I. Gerber, V. P. Teodorovich, A. D.
Shusharina, 5 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXX, No 11, 1957,
pp 1588-1592.

Consultants Bureau

Sci - Chem

Feb 59

82,158

1
Removal of Hydrogen Sulfide From Gases by the
Sodium Arsenate Method. I. A Method for
Determination of the Quality of H Sodium
Arsenate Solutions, by M. I. Gerber, V. P.
Teodorovich, M. I. Brodakaya, V. V. Ipatiev,
4 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVI, No 6,
1953, pp 657-659.

Consultants Bureau

Scientific - Chemistry

CTS/DEK 18,082

Regeneration of Arsenical Soda Liquors, by N. I. B
Brodskaya, M. I. Gerber, V. P. Teodorovich, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No. 10,
1957, pp 1510-1514.

Consultants Bureau

Sci - Chem
Jan 59

79,058

A Study of Magnetization Processes in Single- and
Dual-Component Ferromagnetic Systems, by S. Yu.
Brodskaya, M. A. Grabovsky, 8 pp ,

RUSSIAN, per, Iz, Ak Nauk SSSR, Ser Geofiz, No 8,
1961, pp 1158-1170.

AGU

Sci

183,956

Mar 62

A Study of the Magnetic Characteristics of Single
Component Specimens Depending Upon the Ferromagnetic
Concentration During Thermomagnetization, by
S. Yu. Brodskaya, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 11,
1962, pp 1614-1621.

AGU

Sci

Jan 63

233,582

Magnetic Stability of Remanent Magnetization in
Rocks With Two Ferromagnetic Components, by
S. Yu. Brodakaya, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,
No 3, 1961, pp 423-427.

AGU

170,021

Sci

Sep 61

One of the Causes of Non-Coincidence of Vector
of Rock Residual Magnetization with Direction of
Magnetizing Field, by S. Yu. Brodskaya, M.A.
Grabovsky, 4 pp.

RUSSIAN, per, Iz Ak Nauk, Ser Geofiz, No 5,
1960, pp 490-494

Amer Geophys Union

Sci

134, 861

Dec 60

Normal Magnetization and Thermomagnetization of
Anisotropic Rocks, by M. A. Grabovsky and S. Yu.
Brodskaya, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 8,
1958, pp 977-988.

Amer Geophys Union

Sci

Dec 59

102,173

An Arsenazo-Aluminum Method for the Determination
of Fluorine, by A. F. Kuteinikov, V. M. Brodskaya,
4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVII, No 1,
1962, pp 87-89.

CB

Sci

Oct 62

214,375

(NY-3427).

The Treatment of & Dysentery in Experimental
Radiation Sickness, by Ye. A. Brodskaya, V. P.
Emaykina, A. G. Kostritsa, 1 p.

RUSSIAN, per, Medit Radiolog, No 1, 1959.

JPRS 2286

Sci - Medicine

Oct 60

130,948

(2244-II)

Reflex Effects From Internal Organs on the
Function of the Gastro-Intestinal Tract in
Irradiated Animals, by Ye. A. Brodskaya, 7 pp.

RUSSIAN, per, Arkhiv Patologii, Vol XX, No 11,
1958, pp 53-58.

JPRS L-639-N

Sci - Med
Mar 59

82,646

(NY-4794).

Reports of the Proceedings of the Societies
of Traumatologists and Orthopedists, by Ye. I.
Brodskaya, 30 pp.

RUSSIAN, per, Ortopediya, Travmatologiya i
Protezirovaniya, No 6, 1960, pp 87-94.

JPRS 5810

129,848

Sci - Med
18 Oct 60

Magnetic Stability of Single Component and Two-
Component Artificial Systems, by Yu. Brodskaya, M. A.
Grabovsky, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 1,
1962, pp 54-66.

Amer Geophys Union

Sci

Oct 62

214,020

separation of the rare elements from accompanying
elements on a Silica Gel Column, by A.P. Kuteinikov,
V.M. Brodekaya, 6 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVII, No 3,
1962, pp 305-310.

CB

Sci

Feb 63

232,587

Beyond the Polar Circle, by Ya. Brodski, 3 pp.

RUSSIAN, np, Pravda, 1948, p 1.

CIA/FDD X-4317

Mar 62

Calanoida of the Far Eastern Seas and the Polar
Basin of the USSR, by K. A. Brodskii
RUSSIAN, bk, 440 pp.
NLL REF: \$83.9 IPST 1884

K. A. Brodskii

July 69

383,395

Nine Papers on Number theory and
Theory of Operators, by Brodskiy, Gohberg.
RUSSIAN, bk, Vol 13, 1960, 346 pp.
Amer. Math. Soc. LC No. 51-5559

Brodskiy

Sch-Math
June 66

303,337

NCH-202 002

Field 7C

Brodskii, A. I.; Pokhodenko, V. D.; Ganyuk, L. N.
TRANSFORMATIONS OF THE FREE RADICALS FORMED
BY THE OXIDATION OF STERICALLY HINDRED
PHENOLS, Jul 65, 13p, 9refs. RTS-2862,
Order from NLL: 22a 6d as RTS-2862

Trans. of Roczniki Chemii (Poland) v38 n1 p105-13 1964.
An abstract trans. is available from CFSTI \$0.50 as
TT-64-31079.

I. National Lending
Library for Science
and Technology,
Boston Spa (England)

Thirty Thousand Tons, by A. Brodskiy, 6 pp.

RUSSIAN, per, Tekhnika Molodezhi, No 10, 1958,
pp 20-22.

ATIC F-TS-9963/III

USER

Egon

Dec 60

136,689

On the Nonlinear Theory of Elementary Particles,
by D. Ivenenko, A. Brodskiy, 5 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXX, No 5,
1958, pp 995-998.

Amer Inst of Phys
Sov Phys - Doklady
Vol III, No 3

Sci - Phys

Jul 59

92,095

Increasing the Sensitivity of the Rayleigh
Disc, by A. D. Brodskiy, V. L. Kan, 4 pp.

RUSSIAN, per,  ritel Tekh, No 1, 1959,
pp 56-57.

Instru Soc of Amer

Sci

Apr 60

113,174

A New Method of Absolute Temperature Measurements, by
A. D. Brodskiy, A. V. Savateyev, 5 pp.

RUSSIAN, per, Izmeritel' Tekh, No 5, 1960, pp 21-24.

ISA

Sci -
Apr 61

146,483

12 725

AT-1 *US-8

BRODSKII A. E.

Utilization of isotopes for investigating the constitution of
chemical compounds and reaction mechanisms

Anwendung von Isotopen zur Erforschung der Konstitution
chemischer Verbindungen und von Reaktionsmechanismen

* Atomnaya Energ., 5, No. 1, p. 52 (1958)
Kernenergie, 2, No. 8, 740-750 (1959) - German

AT-1: Ch, 1960/61, No. 16 - German

*US-8: \$ 12.50 - English

E u r a t o m

(NY-5200/5)

New Transloading Equipment for River Ports, by
A. Brodskiy, 7 pp.

RUSSIAN, per, Rechnoy Transport, No 12, 1960,
pp 8-10.

JPRS 9097

USBR

Econ

Jan 61

154,604

Preservation and Replantation of
Lenses, by A. F. Brodskiy, 30 pp.
RUSSIAN, bk, Konservirovaniye i Gosotrans-
plantatsiya Tseny, 1964, pp. 88-99,
100-131
JPRS 33995

A. F. BRODSKIY

USSR
Sci-B/M
Feb 66

295,302

~~CONFIDENTIAL~~

STRIPS PF PRESERVED HUMAN CADAVER SKIN,
(FIRST CLINICAL OBSERVATIONS) BY A. F.
BRODSKIY, 10 PP.

RUSSIAN, PER, NOVYY KHIR ARKH, NO 1L, 0
1961, PP 26-32.

JPRS 12366

SCI - MED
FEB 62

183, 06⁹

Investigation of the Mechanism of Electrolytic
Formation and Decomposition of Percarbonate, Peroxate
and Perphosphate by the Isotope Method, by I. F.
Franchuk, A. I. Brodskiy, 4 pp.

RUSSIAN; per, Dok Ak Nauk SSSR, Vol CXVIII, No 1,
1958, pp 128-131, ~~131~~—

Consultants Bureau

Sci - Chem
Dec 58

77,452

Towards a General Theory of Meson Scattering, by
A. Brodskiy, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXI,
No 4, Nov-Dec 1956, pp 787-

Amer Inst of Phys
Sov Phys "Doklady"
Vol I, No 6

Sci - Physics
Oct 57

53,405

Isotopic Investigation of the Higher Oxides and
Peroxides of Uranium, by A. I. Brodskiy, N. F. Pranchuk,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 6,
1961, pp 1345-1348.

CB

Sci

195,214

May 62

Oxygen Exchange in Halogenic Acids and Its
Mechanism, by A. I. Brodskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 61, No 5,
1955, pp 869-871.

Envy Tr 3460/APL 645

Sci - Chem
Aug 63

238,325

Bibliography of Russian Titles and Occurrence
of Isotopes, by A. I. Bredskiy

RUSSIAN, 1952.

AF 580638

USSR
Scientific - Isotopes, Bibliography

Treasure Island

11,114

S-57/60

(NY-3559).

Hydrogen Exchange in Solutions, by A. I. Brodskiy,
11 pp.

UKRAINIAN, per, Ukrain Khim Zhur, Vol XXII, No 1,
1956, pp 11-18.

JPRS 2406

Sci - Chem
Apr 60

115,357

A Study of the Transformations of Radicals During
the Oxidation of 2,6-Di-(1,1'-Di-Methylalkyl)-4-
Methylphenols, by A. I. Brodskiy, V. D. Pokhodenko,
5 pp.

RUSSIAN, per, Zhur Strukturnoi Khimii, Vol IV, No 2,
1963, pp 210-215.

CB

Sci
Apr 64

254,115

The Isotopic Exchange of Nitrogen Between Amine
Compounds and Liquid Ammonia, by L. L. Serishak,
S. G. Damičenko and A. I. Brodskiy, 6 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXIV, No 5,
1959, pp 1089-1092.

Consultants Bureau

Sci

Feb 60

108,176

Height of the Potential Barrier in the Hydrogen Bonds
of Benzoquinhydrone, by A. I. Brodskii, I. P.
Gragerov.

Chem. Rev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXX, No 2,
1951, pp 277-279.

ANC Tr 1514

Scientific - Chemistry, hydrogen, benzoquinhydrone

Brookhaven Nat Lab 24 Mar 1953

843

Tautomerism of Hypophosphorous and Phosphorous
Acids, by A. I. Brodskii, L. V. Sulima, 9 pp.

full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LXXV, No 6, 1952, pp 1277-1280.

NIH

Scientific - Chemistry Aug 53 CTS/DET

44/57

On Irregular Representations of Completely
Continuous Operators with a One-point Spectrum.
by M. S. Brodskii, 6 p.
RUSSIAN, per, Uspehi Matemat Nauk 3333, Vol XVI,
No 1(37), 1961, pp 139-141.

Am Math Soc
Vol XLVII, Ser 2

M. S. Brodskii

Sci-Maths
JAN 65

302,539

Application of a Waveguide Bridge for Matching
Detector and Generator Sections, by A. N.
Akhiezer, A. I. Brodskiy, 3 pp.

RUSSIAN, per, Izmeritel Tekh, No 12, 1959,
pp 44, 45.

Instru Soc of Amer

Sci

Oct 60

130,576

S-127/60

(DC-3480).

The Mechanism of Hydrogen Isotope Exchange in
Solutions, by A. I. Brodskiy, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIII, No 5,
1953, pp 847-850.

JPRS 3158

Sci - Chem
Apr 60

113,860

The Effect of Isotopy on the Rate of Chemical
Reactions, by A. I. Brodskiy, 4 pp.

RUSSIAN, bk, Khimiya Isotopov, 1952, Encl to SIR-
2635, AFOIN-1A1.

AID/Apr 57

Sci - Chemistry

50,771

Aug 57

Surface Catalysis: Ortho-Para Conversions, by
A. I. Brodskiy, 5 PP.

RUSSIAN, bk, Khimiya Isotopov, 1953, pp 282-284,
Encl to SER-2652, AF01N-1A1.

AID/Apr 57

Sci - Chemistry
Aug 57

50,770

A Study of the Mechanisms of the Hydroxylation of Phenol and the Oxidation of Anthracene by Peroxide Compounds. Using $O^{\bullet}$, by A. I. Brodskiy and N. A. Vysotskaya. 5 pp.

RUSSIAN, per. Zhur O-shch Khim, Vol XXXII, No 7. 1962, pp.2273-2277..

CB

Sci

340, 979

May 62

Pellicular Bolometer (Thermistor) For
Measuring Power in Millimeter Wave Range,
by A. I. Brodskiy, 4 pp.

RUSSIAN, Patent No 140,104, ~~196~~ 1960, pp 1-3
9678078

FTD-TT-62-916

Sci - Phys
Sep 62

211, 084

(NY-4569)

USSR Works in the Fields of Radiochemistry and
Radiation Chemistry - Isotope Exchange, by
A. I. Brodskiy, 86 pp.

RUSSIAN, per, Khim Nauk i Prom, Vol V, No 4,
1959, pp 423-434.

JPRS 5253

Sci. - Chem

Aug 60

123,400

The Use of Isotopes in the Study of Chemical
Structure and Reaction Mechanisms, by A. I. Brodskiy,
14 p.

RUSSIAN, per, Atom Energ, Vol IV, No 7, 1958, pp 52-63.

Consultants Bureau

Sci - Nuc Phys

Jun 59

90,355

60-19969

Brodskiy, A. I., Dedusenko, N. I. and others.
AN INVESTIGATION OF THE MECHANISM OF
ORGANIC REACTIONS BY THE ISOTOPIC METHOD,
tr. by Mrs. Partridge. [1960] [7]p. 25 refs. S.C.R.
Scientific reprint no. 4; M 1599.
Order from LC or SLA mi\$1.80, ph\$1.80 60-19969

Trans. of unidentified mono. received by Academy of
Sciences, 10 Jan 42.

The heavy isotope of oxygen was used as an indicator
for the elucidation of the mechanisms of certain reac-
tions. The Beckmann transformation of benzophen-
oxime involves, as intermediate stages, an elimina-
tion of oxygen of the oxime and the addition of oxygen
of water. Alkali-fusion of sodium benzenesulfonate,
 β -naphthalenesulfonate and β -anthraquinonemonosulfo-
nate takes place by way of the direct substitution of the
group SO_3Na by the ONa group from the alkali. The
acylation of ethyl alcohol by acetic anhydride takes
place with the elimination of the hydroxyl from the
(Chemistry--Organic, TT, v. 5, no. 5) (over)

1. Chemical reactions--
Analysis
2. Oxygen isotopes--
Exchange reactions
- I. Brodskiy, A. I.
- II. Dedusenko, N. I.
- III. SocCulRel SR-4
- IV. DSIR LLU M. 1599
- V. Society of Cultural Relations
with the USSR (Gt. Brit.)

Office of Technical Services

Investigation of Corrosion of Metals Using Heavy
Oxygen Isotope, by A. L. Brodskiy, A. S. Fomenko,
P. M. Abramova.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, ^{1956,} pp 676-684.

SLA R-2610
Navy Tr 1547/NRL-639

Sci - Chemistry, Physics
Nov 57

53, 254