

Wetting of the Transition Element Nitrides  
by Molten Oxides and Metals, by V. M. Kamyshev.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 40, No 1, 1966, pp 262-263.  
Chem Trans Sv 2783

319,995

Sci - Chemistry  
Mar 67

The Physico-Chemical Modeling of Information  
and Thought Processes, I. Thermodynamics of  
Information Processes, by N. I. Kobosev, 23 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,  
Vol XL, No 2, Feb 1966, pp. 281-294.  
JPRS 38760

USSR  
Sci-Phys  
Dec 66

313,927

Relation of Sound Velocity in Liquid to Its  
Saturated Vapor Pressure, by G. A. Sangina,  
RUSSIAN, per. Zhurnal Fizicheskaya Khimiya,  
Vol XL, 1966, pp 460-461.

AEC 115-78

A&C LA 66-45 P911099266

Sci-Phys  
Oct 66

The Physico-Chemical Modeling of Information  
and Thought Processes, II. Thermodynamics of  
Thought Processes, by N. I. Kobosev, 16 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,  
Vol XL, No 4, Apr 1966, pp. 784-794.  
JPRS 38760

USSR  
Sci-Phys  
Dec 66

313,928

Method of Representing Systems With Five Vari-  
ables on Planes, by A. F. Prolov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 40,  
No 4, 1966, pp 801-806.  
Navy tr 4983 APL/JHU T-1957

Sci/Physics  
Nov 66

311,577

The Effect of Water Vapor on the Electroconductivity,  
Light Conductivity and Photo-E.M.F. of Copper Poly-  
phenylacetylinide, by V. S. Myl'nikov.

RUSSIAN, per, Zhurnal Fizicheskoj Khimii, Vol 40,  
No 5, 1966, pages 979-984.

ACSI J-3008

ID 2204029367

Sci/Physics  
January 1968

341,888

Investigation of the Nature of the Acid  
Centers of Decationized Zeolites by Infrared  
Spectroscopy, by S. P. Zhdanov.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 5, 1966,  
pp 1041-1047.  
ATS RJ-5005

Sci-Phys  
Feb 69

373,814

Temperature Tests on the Electrical Conductivity  
and Photoconductivity of Condensed-substituted  
Benzenes, by L. G. Koznets.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Vol. 40,  
No 5, 1966, pp 1102-1105.  
ACSI J-2368  
ID 2204029267

Sci/Electronics  
Nov 67

582,174



English Title Unknown, by R. N. Nurmukhametov.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 5, 1966,  
pp 1154-1157.  
NLL Ref: 5413.2835 (Mil-tr-73)

Sci-Phys  
Aug 68

361,811

Catalytic Properties of Systems Consisting of  
Powdered Metals and Phthalocyanines, by S. D.  
Levina et al, 7 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,  
Vol XL, No 6, 1966, pp. 1229-1233.  
JPRS 38637

USSR  
Sci-Phys  
Dec 66

314,400

The Electron Promotion of Inactive Forms of  
Zeolites with Propyl Chloride in the Alkylation of  
Benzene with Propylene, by I. M. Kolesnikov.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 6, 1966,  
p 1426.  
ATS-RJ-4807

Sci  
Nov 68

353,853

The Role of Hydrogen in the Dehydrogenation of  
Cyclohexane Over Platinum, by V. A. Druz.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 7, 1966,  
pp 1483-1488.  
ATS-RJ-4845

Sci  
Dec 68

353,891

On the Three States of Hydrogen Adsorbed on  
Films of Nickel, by Yu. A. Balovnev, I. I.  
Tretyakov.

RUSSIAN, per, Zhur Fiz Khim, Vol 40, 1966,  
pp 1541-1542.

URSA (Loan)

CA Tr 140

324,307

Sci

Apr 67

The Pressure and Composition of Saturated Vapor of Binary Systems with Chemical Interaction of Components in the Vapor. Part 8, The Calculation of Association of Acetic Acid Based on the Composition of Saturated Vapor of Binary Liquid Systems at Various Temperatures, by N. L. Yarym-Agaev.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 9, 1966, pp 2009-2015.  
ATS RJ-5014

Sci-Phys  
Feb 69

373,821

Nitrogen Isotope Separation by Means of Chemical  
Exchange Using Complex Formation, by  
A. I. Kuznetsov, A. V. Makarov, 9 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, No 40(9),  
1966, pp 2133-2136. P500238468-V  
Dept of Navy NIC Tr No 2608

Sci-Chem  
Oct 68

367,807

Separation of a Binary Mixture of Isotopes in an  
Ion-Exchange Column by Superimposing a Constant  
Electric Field, by M. N. Kurin, I. A. Tikhomirov,  
13 pp.

RUSSIAN, per. Zhurnal Fizicheskoy Khimii, Vol 40,  
No 9, 1966, pp 2177-2184. P500239668-V  
Dept of Navy NIC Tr No 2607

Sci-Chem  
Oct 68

367,815



The Tetrafluoroethylene Production Kinetics  
and Mechanism by Difluorochloromethane  
Pyrolysis, by Yu. A. Panshin.  
RUSSIAN, per, Zhurnal Fiz Khimiy, Vol 40,  
No 9, 1966, pp 2226-2230.  
NTC 69-10925-07D

Sci-Chem  
May 69

382,534

High-Temperature Oxidation of Silicides  
of Some Rare-Earth Metals, by  
T. S. Verkhoglyadova, L. A. Dvorina.  
RUSSIAN, per, Zh. Fiz Khim, Vol XL,  
No 9, 1966, pp 2250-2254.  
NASA TT F-10,663

Sci-Phys  
Mar 67

320,388

Liquid-Vapor Phase Equilibrium in the Water -  
Methanol - Methyl Acetate System at 760 mm Hg,  
by M. I. Balashov.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 9,  
1966, pp 2294-2297.  
ATS RJ-5013

Sci-Phys  
Feb 69

373,820

Electrosynthesis of O<sub>3</sub>, XI, Method for Connecting Ozonizers, by Yu. V. Filippov, V. P. Vendillo.

RUSSIAN, per, Zhurnal Fiz Khim, Vol 40, 1966, pp 2337-2340.

ARC-ANI-Trans-521

Sci-Chem  
Jan 68

348,750

The Catalytic Properties of Chromium-Containing  
Zeolites, by L. V. Panseovich-Kolyada,  
N. F. Ermolenko,  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 10,  
1966, pp 2383-2390.  
ATS RJ-5004

Sci-Phys  
Feb 69

373,813

Diffusion of Silver in Its Oxides, by  
N. D. Rozenblyum.  
RUSSIAN, per, Zhur Fiz Khim, Vol XL, No 10,  
1966, pp 2464-2467.  
NASA TT F-10,842

Sci - Materials  
May 67

324,214

Radiolysis of Ammonia Adsorbed on Zeolite,  
by Yu. A. Sorokin, V. F. Zakharov, S. Ya.  
Fabezhetskiy, A. G. Kotov, 12 pp.  
RUSSIAN, per, Zhur Fiz Khim, Vol 40, 1966,  
pp 2468-2473. P911280767  
AEC BNL Tr-134

336,973

Sci - Materials  
Sep 67

Equilibrium Between Metallic Cobalt  
and its Carbonyls in Liquid Phase,  
by Yu. E. Bronshtein.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 40, 1966, pp 2493-2496.  
NTC 72-10549-07D

Apr 72



English Title Unknown, by V. V. Ryl'kov, V. E.  
Kholmogorov.

RUSSIAN, per, Zh Fiz Khim, Vol 40, No 11, 1966,  
pp 2900-2902.

NLL Ref: 5413.2835 (MUL-tr-91)

Sci-Chem  
Aug 68

361,706

Vapor-Liquid Equilibria in the Water - Formic  
Acid - Acetic Acid System at 50 and 200 mm Hg,  
by T. M. Kushner.  
RUSSIAN, per, Zh Fiz Khim, Vol 40, No 12,  
1966, pp 3010-3017.  
ATS RJ-5011

Sci-Phys  
Feb 69

373,818

Investigation of the Catalytic Interaction of  
Hydrogen Chloride and Methanol. Part II:  
Kinetics of Dehydration of Methanol and Hydro-  
chlorination of Dimethyl Ether on Catalysts  
Used for Vapor-Phase Synthesis of Methyl  
Chloride, by Ye. B. Svetlanov, R. M. Flid,  
RUSSIAN, per, Zh. Fiz. Khim., Vol XL, No 12,  
1966, pp 3055-3059.  
NASA TT F-10,937

Sci-Chem  
Jul 67

332,891

The Thermochemistry of Trinitromethane, by  
E. A. Miroshnichenko & Yu. A. Lebedev. *pp*  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Vol. 40,  
1967, pp 1477-1479. *P500115168*  
Dept of Navy NIC tr 2605

Sci/Chem  
June 68

358,221

An Investigation of the Liquid-Vapor Phase  
Equilibrium in the Water - Formic Acid -  
Propionic Acid System at Atmospheric Pressure,  
by T. M. Kushner,  
RUSSIAN, per, Zh Fiz Khim, Vol 41, No 1, 1967,  
pp 237-243.  
ATS RJ-5010

Sci-Phys  
Feb 69

372 247

Temperature Dependence of Heat Capacity at  
Constant Pressure and Calculation of Thermo-  
dynamic Values. Part II. Calculations of  
Thermodynamic Values and Equilibrium Constants  
of the Chemical Reactions, by L. B. Gorbunov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 41,  
1967, pp 343-345.

NTC-71-14854-07D

*Nasa TT-1-11, 168*

Feb 72

Standard Heats of Formation of the Carbides of  
Tantalum of the Phase TaC, by A. N. Kornilov,  
I. D. Zaikin.

RUSSIAN, per. Zhurnal Fizicheskoi Khimii, Vol 41,  
1967, pp 346-350.

F911334667

AEC LA-TR-67-41

Sci-Chem  
Nov 67

343.656

O Nekotorykh Voprosakh Termokhimi Karbidov  
Peremennogo Sostava, by A. N. Kornilov, I. D.  
Zaikin.  
RUSSIAN, per, Zhur Fiz Khim, Vol 41, 1967,  
pp 351- 357.  
\*AEC LA Tr-67-40

Jun 67



Study of the Interaction of Oxygen with the  
Oxides of Alkaline-Earth Metals. I. Equili-  
bria in the System BaO-O<sub>2</sub> at Pressure Close  
to Atmospheric, by O. V. Kedrovskiy, et al,  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Vol  
41, No 2, 1967, pp 414-420.  
NASA TT F-11,120

Sci-Phys  
Sept 67

341,984

Liquid-Vapor Equilibrium Relations of the  
System Acetic Acid-Isoamyl Alcohol -  
Isoamyl Acetate. Part 1, The Binary System  
Acetic Acid - Isoamyl Alcohol, by  
N. G. Krokhin.  
RUSSIAN, per, Zh Fiz Khim, Vol 41, No 3,  
1967, pp 671-672.  
ATS RJ-5012

Sci-Phys  
Feb 69

373,819

Method for Prevention of Heating of an Absor-  
bent by Infrared Radiation in Studies on the  
Spectra of Absorbed Molecules, by G. A. Galkin.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimiy, Vol  
41, No 3, 1967, pp 740-742.  
NASA TT F-11,006

Sci-Phys  
Aug 67

338,718

On the Theory of the Working of the Counter  
Current Crystallization Column. by Devyatykh,  
G. G.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 41,  
1967, pp 957-61.

ETC-69-36950

INSDOC T-11257

May 70

403,346

Contribution to the Thermodynamics of  
Certain Hydrocarbons, by Yu. P. Maslov,  
A. A. Antonov.  
RUSSIAN, per, Zhurnal Fiz Khimiy, Vol  
41, No 5, 1967, pp 1001-1004.  
NTC 69-10924-07D

Sci-Chem  
May 69

382,533

The Mutual Solubility in Systems of  
Water-Aliphatic Alcohol-n.  $C_2H_{2n+2}$  (n=6,  
7,8,9,) by A. I. Vorob'yev,  
M. Kh. Karapet'yants.  
RUSSIAN, per, Zhurnal Fiz Khimiy, Vol 41,  
No 5, 1967, pp 1144-1149.  
NTC 69-10923-07D

Sci-Chem  
May 69

382,532

The Physicochemical Simulation of the Information and Thought Processes, by N. K. Kobozov, 14 pp.

RUSSIAN, per, Zhurnal fizicheskoy khimii, Vol 41, No 7, 1967, pp 1723-1730.  
JPRS 43061

Sci-Chem  
Nov 67

343,807

Kinetics of the Iron Ion-Catalyzed Oxidation  
of Benzene to Phenol, by D. I. Motelitsa.  
RUSSIAN, per, Zh Fiz Khim, Vol 41, No 8,  
1967, pp 1905-1909.  
ATS-4768

Sci  
Dec 68

368,702



Study and Calculation of Liquid-Vapor Phase  
Equilibrium in the System Formic Acid -  
Acetic Acid - Propionic Acid at Atmospheric  
Pressure, by T. M. Kushner.  
RUSSIAN, per, Zh Fiz Khim, Vol 41, No 9,  
1967, pp 2162-2167.  
ATS RJ-5009

Sci-Phys  
Feb 69

373,816

The Propagation of a Chemical Reactive  
Front in solids, by A. A. Abramov,  
Ye. B. Popov.  
RUSSIAN, per, Zhurnal Fiz Khimiy, Vol  
41, No 9, 1967, pp 2282-2285.  
NTC 69-10926-07D

Sci-Chem  
May 69

382,535

An Apparatus for Differential-Thermal Analysis  
or Isothermal Decomposition with Simultaneous  
Mass-Spectrometric Analysis, by R. N. Isayev.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Vol 41,  
1967, pp 2398-2399.  
\*NASA TT F-11,460

Sci/Phys  
Mar 68

Problems in Surface Chemistry and the Molecular  
Theory of Adsorption, by A.V. Kiselev, 52 pp.  
RUSSIAN, journal, Zhurnal Fizicheskoy Khimii,  
Moscow, Vol. 41, No. 10, 1967, pp. 2470-2504.  
JPRS 45,491

Sci-Chemistry  
May 68

358,568

The Action Mechanism of Soluble Complex Polymerization Catalysts, by F. S. D'yachkovskii, A. E. Shilov.  
RUSSIAN, per, Zh Fiz Khim, Vol 41, No 10, 1967, pp 2515-2527.  
ATS-4871

Sci  
Dec 68

368,741

Kinetics of the Deposition of Coke on Catalysts,  
by M. Ye. Lavinter.

RUSSIAN, par, Zh Fiz Khim, Vol 41, No 11, 1967,  
pp 2799-2805.

ATS RJ-5391

Sci-Chem  
June 70

The Thermodynamic Properties of Potassium-  
Antimony Compounds, by V. G. Voronin,  
T. Sh. Nguyen, et al. 8 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, Vol. 41,  
No 11, 1967, pp 2978-2981.  
AIR/FID/IT-23-1198-68

sci/chemistry  
jan 70

399,829

Anti-entropy Resolves Paradox in Thermodynamics  
of Thought, by N. I. Kobozov, 11 pp.  
RUSSIAN, por, Zhurnal Fizicheskoy Khimii, Vol 42,  
Jan 1968, pp 5-12.  
JPRS 45753

Sci-B and E  
Jul 68

361,585



~~Reaction~~ Reaction of Skeletal Nickel Catalyst  
by Additions of Transition Metals. VIII,  
by A. B. Fisman.  
RUSSIAN, per, Zh Fiz Khim, Vol 42, No 4,  
1968, pp 903-08.  
NLL Ref: 9022.4 (68/233)

Sci-Chem  
May 69

380,705

Effect of Rate of Cooling on the Structure of Solid  
Solutions in Binary Alloys Based on Aluminium, by  
L.M. Burov, A.A. Yakumin.  
RUSSIAN, per, Zh Fiz Khim, Vol 42, No 4, 1968,  
pp 1028-1030.  
NLL Ref 5828.4F (12949)

Sci-Chem  
July 69

384-658

Physicochemical Modeling of Information and  
Thought Processes, by N. I. Kobozov,  
M. V. Lomonosov, 9 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii, May  
1968, pp 1045-1051.  
JPRS 46,248

Sci/Phys  
Sept 68

365,164

Agency: Plostinny Arsenal  
Order No. 156-69 a  
R-10481-D  
19 June 1969  
6pp  
Title: ~~XXXXXXXXXX~~ pp. ~~XX~~ 1156 to 1160.  
Author: Zakharov, Yu A. & V. A. ~~XXXXXXXXXX~~ Nevostruev  
Source: Zh. Fiz. Khimii, V. 42. (1968). No. 5  
Language: Russian  
Special instruction: Please translate & type copy. only  
Title: EFFECT OF METAL OXIDES ON RADIOLYSIS OF NITRATES,  
POTASSIUM AND SODIUM.

The Chemisorption of Dyes on Silicic Acid  
Gels, by V. V. Strelko, V. A. Kanibolotskiy.  
RUSSIAN, per, Zhurnal Fiz Khim, Vol 42, No 5,  
1968, pp 1219-1223.  
NTC 69-15464-07D

Sci-Chem  
Dec 69

398,436

Dependence of Nitrogen Adsorption on the Pore  
Diameter of the Adsorbent, by M. G. Kaganer.  
RUSSIAN, per, Zhurnal Fiz Khim, Vol 42, No 5,  
1968, pp 1228-1234.  
NWC-69-12803-07D

Sci-Chem  
Sept 69

391,161

RUSSIAN

CSO: 01840/72 W  
22 Feb. 1972 SF

*Spec RPP*  
A Spectral Investigation of the Mechanism and Products  
of the Photolysis of the Leuco Bases of Tripe hnylmethan  
Dyes, by M. A. Pak and D. N. Shigorin.

Moscow, Zhurnal Fizicheskoy Khimii, Vol. 42, No. 7,  
1968. *pp 1694-1700*

Ad Hoc

Special type B

Do not publish

Original plus one, also reproduce graphics

T. D. 25 February 1972

A Series of Saddle-Point Azeotropes Formed by Water,  
Formic Acid, and Aliphatic Acids, by T. M. Kushner.  
RUSSIAN, per, Zh Fiz Khim., Vol 42, No 9, 1968,  
pp 2248-2251.  
ATS-RJ-5828

Apr 72



Order of the Red Banner Scientific Research  
Physical-Chemistry Institute Imeni L. Ya.  
Karpov, by Ya. M. Kolotyrkin, 27 pp.  
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,  
Moscow, Nov 1968, pp 2701-2719.  
JPRS 47,408

Sci-Scientists & Sci Organs  
Feb 69

374,046

The Dependence of Free Energy on the Heat  
of Evaporation in the Thermodynamic Cycle  
of a Regenerative Fuel Element.

By V. T. Vorogushin, 14 pp.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
1969, Vol 43, pp. 728-725

ETC-69-32437

Nov 69

396,048

Molecular Sorption of Aliphatic Acids on Anion  
Exchangers. Part II. Effect of the Degree of  
Crosslinking, by G.L. Starobinets.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, vol. 43,  
no. 8, 1969, pp. 2138-2140.  
NTC 71-11189-07 D

August 71

70-13579-07C

Goldshleger, N. P.; Tyabin, M. B.; Shlov, A. E.  
ACTIVATION OF SATURATED HYDROCARBONS:  
DEUTERIUM-HYDROGEN EXCHANGE IN SOLUTIONS  
OF TRANSITION METAL COMPLEXES. Zhurnal  
Fizicheskoi Khimii, v. 43, n. 8, p. 2174-2175, 1969.  
Order from NTC as 70-13579-07C: HC \$ 6.70, MF \$ 5.80.

Kinetic Equation of the Adsorption of Liquid  
Mixtures, by V. V. Veselov.  
RUSSIAN, por, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 246-248.  
NTC-71-10821-07D

Nov 71

Investigating The Kinetics of Absorption of  
Oxygen Dissolved in Water, by a Redox Anion  
Exchanger, by Ya. M. Popkov, et al.  
RUSSIAN, per, Zhurn. Fiz. Khim. SSSR, Vol 44,  
No 1, 1970, pp 261-262,  
C. E. Trans. 5478D

sci

Effect of Magnetic Treatment Upon the  
Refractive Index of Water, by O. P. Ushakov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 1307-1308.  
NTC-71-15435-07D

Feb 72

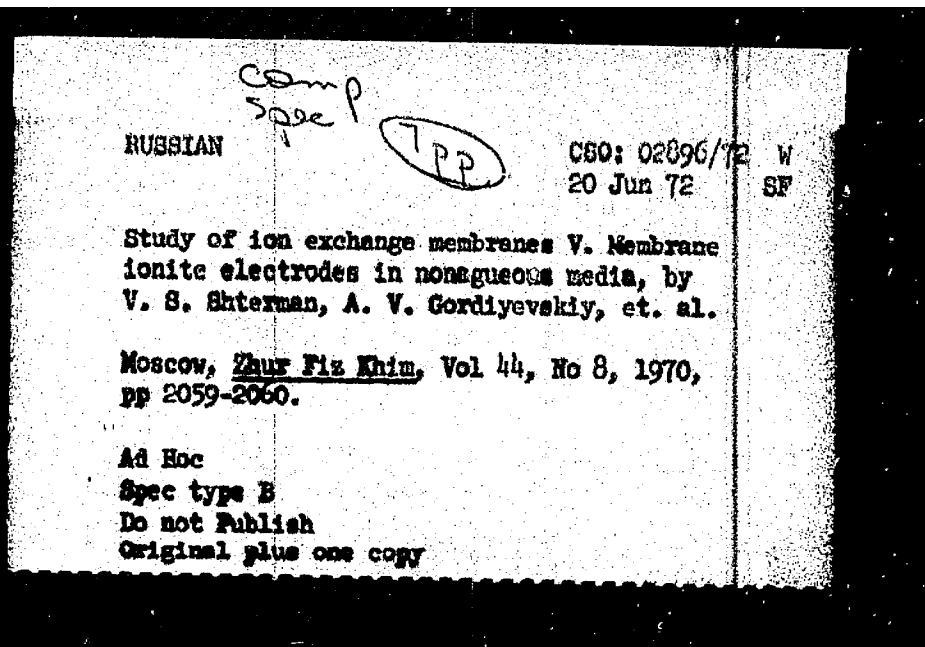
Effect of Methanol Upon the Formation of  
Gaseous Hydrates, by A. A. Krasnov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 1342-1343.  
NTC-71-15505-07D

Feb 72



Calorimeter for Investigating the Specific  
Heat of Aqueous Solutions of Electrolytes at  
Elevated Temperatures, by V. N. Sorokin.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 44,  
No 5, 1970, pp 1347-1349.  
C.E. Trans 5634

Jan 72



Effect of the Nature of Diluents Upon  
the Distribution Coefficient in Extrac-  
tion Processes, by E. M. Kuznetsova,  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 2222-2227.  
NTC 72-10065-07D

Apr 72

N. D. Biryukov

Internal Stresses in Nickel Electrodeposits.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 2315-2320  
NTC 72-13207-11F

sept 72

Adsorption of Fatty Acids From Benzene Solutions  
on Silica Gel, by G. A. Vetrova, et al.  
RUSSIAN, per: Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 2573-2576.  
NTC 71-14364-07D

Feb 72

RUSSIAN *Comp. Special*      C80: 02895/TE      W  
*6 pp.*                      20 Jun 72                      57

Experimental study of concentration profiles in  
ion exchange membranes, by M. V. Pevnitskaya,  
Yu. G. Lavrent'yev, et. al.

Moscow, Zhur Fiz Khim, ~~Zhur Fiz Khim~~ Vol 44, No 11, 1970,  
pp 2952-2956.

Ad Hoc  
Spec type B  
Do not publish  
Original plus one copy.

Physicochemical Simulation of Processes of Information and Thinking, by N. I. Kobosev, 10 pp.  
RUSSIAN, per. Zhurnal Fizicheskoy Khimii, Moscow,  
Vol 44, No 12, 1970, pp 2959-2974.  
JPRS 52722

Sci-Chem  
Apr 71

Magnetic Properties of Ferrodielectric  
Catalysts. Part XI. Plotting of the  
Particle Size Distribution Function,  
by V. B. Evdokimov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 3062-3064  
NTC 72-11990-07D

June 72



Magnetic Properties of Ferroelectric  
Catalysts, Part XII. Dispersity  
Studies in Nickel-Silica Gel Systems,  
by V. B. Evdokimov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 44, 1970, pp 3065-3070  
NTC 72-11989-07D

June 72

Stoichiometric Disturbances and Electrical  
Conductivity of Tin Dioxide in Tin  
Layers, by B. P. Kryzhanovskii.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 45, No 2, 1971, pp 258-260  
NTC 72-12185-07D

July 72

T. N. Nalibeev

Study of the Structure of Multicomponent  
Skeletal Catalysts on Nickel Base.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii,

Vol 45, 1971, pp 383-386.

NTC 72-14040-07D

Nov 72

Lutskii, A. E.

Electron Interactions in Polyfunctional Organic  
Compounds.

ZHURNAL FIZICHESKOI KHIMII, Vol 45, pp 754-758, 1971.

NTC-72-14916-07D

Feb 73

A. P. Platonov

Infrared Spectroscopic Study of the Thermal  
Dehydration of the Methylol Derivatives of  
Urea and Melamine.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 45,  
1971, pp 1411-1414

NTC 72-13422-07D

NTC - 72 - 60884 - 07C

Oct 72

G. P. Naletova

Study of  $\pi$ -Complexes of Diphenyl in Polar Solvents.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 45, No 6, 1971, pp 1484-1487  
NTC 72-12602-07D

sept 72

S. A. Khassan

Laws of Sintering Platinum Catalysts in Air  
Atmosphere.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 45,  
1971, pp 1517-1520

NYC 72-13480-07D

Oct 72

Investigation of Kinetics of Reduction  
of Allyl Alcohol and Butyric Aldehyde  
on Osmium Catalyst by Electrochemical  
Methods, by I. V. Kudryashov.  
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,  
Vol 45, No 7, 1971, pp 1694-1697  
NTC 72-12481-07D

July 72



Khorkov, V. F.

Adsorption of Carbon Dioxide in Nickel Films.  
ZHURNAL FIZICHESKOI KHIMII, Vol 46, pp 472-475,  
1971.  
NTC-72-14915-07D

Feb 73

RUSSIAN

CSO: 8144/1833 W  
12 March 1973 47

Structural-kinetic study of the oxidizability of alloys  
on a nickel-chromium base, by N. B. Abramova, et al.

Moscow, Zhurnal Fizicheskoy khimii, Vol. 46, No. 5,  
1972, pp 1340-1341.

~~Classification~~

Please publish and make reproductions and provide  
JFRC/ad hoc with two (2) copies and the source.

Kinetic Theory of Electromagnetic Waves in an  
Unbound Plasma, by A. N. Kondratenko.  
RUSSIAN, per, Zhurnal po Fiziki Plazmy i Therm.  
Sinteza, Vol 5, No 4, 1965, pp 267-271.  
AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Dec 66

314,676

Plasma Equilibrium in a Toroidal Chamber with a  
Travelling Magnetic Field, by T. F. Volkov.  
RUSSIAN, por, Zhurnal po Fiziki Plazmy i Termi-  
Sinteza, Vol 5, No 4, 1965, pp 272-275.  
AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Dec 66

314,717

Cerenkov Absorption of Alfvén Waves and of Fast  
Magnetoacoustic Waves in an Inhomogeneous Plasma,  
by V. V. Dolgoplov, K. N. Stepanov.  
RUSSIAN, per, Zhurnal po Fiziki Plazmy i Thera.  
Sintezu, Vol 5, No 4, 1965, pp 276-278.  
AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Dec 66

314,718

Normal Modes of Plasma Oscillation by  
Michel Trocheris.  
RUSSIAN, per, Zhurnal po Fiziki Plazmy i Term.  
Sintez, Vol 5, No 4, 1965, pp 299-314.  
AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Dec 66

314,719

Electric Conductance of a Turbulent Plasma by  
V. I. Perviashvili, R. R. Ramzashvili,  
H. I. Tsintsadze.  
RUSSIAN, per, Zhurnal po Fiziki Plazmy i Therm.  
Sintoz, Vol 5, No 4, 1965, pp 315-317.  
AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Dec 66

314,720

Effect of an Electric Field on the Spectrum of  
Oscillations in an Inhomogeneous Plasma by  
I. S. Balkov, L. S. Bogdankevich & A. A. Rukhadze.  
RUSSIAN, por, Zhurnal po Fiziki Plazmy i Termi  
Sinteza, Vol 5, No 4, 1965, pp 318-325.  
AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Doc 66

314,721



Effect of a Cold Plasma Component on the  
Stability of an Inhomogeneous Hot Plasma by  
I. S. Baikov.

RUSSIAN, per, Zhurnal po Fiziki Plazmy i Term.  
Sinteza, Vol 5, No 4, 1965, pp 326-329.

AEC-tr-6672 P911144666-V

Sci/Nuclear Sci  
Dec 66

314,722

Relationship Between Periods of Activation and  
Depression in Responses of Cortical Neurons to  
Electrical Pulses and Photoic Stimulation, by B.  
F. Tolkunov, 18 p.  
RUSSIAN, per, Zhurnal Fiziologicheskii, Vol LI,  
No 3, 1965, pp 285-292.  
CFSTI TT 66-60424

Sci-B&M  
Jun 66

303,707

The Geography of the Population and Cities in  
Ploand, by L. Kosin'skiy, 20 pp.  
RUSSIAN, per, Zhur Geografiya, Geografiya Zaru-  
beznoy Yevropy, No 12, 1966, pp 3-13.  
DIA LN 114-67

EEur-Russian  
Geog  
Jul 67

330,763

... HOUSE, Dr. Mary Gray,  
Orpington, Kent.

Available From LY Serials

Oct 67

Determination of Thermal Flux from Single Point  
Temperature Measurements, by V.I. Zhuk,  
14 pp.  
RUSSIAN, per. Zhurnal Metallurgiya, No 7, 1970,  
pp 45-46.

ACSI-K-2531

FSTC-HT-23-1970-72

Sep 72

Struggle for the Health of the people, 7 pp.  
RUSSIAN, per, Zh Mikrobiol. Epidemiol. i  
Immunobiologie, Vol XLII, No 1, 1965, pp 3-5.  
CFSTI AD-638-576

Sci-B&M  
Jun 67

328,144