

The Dps Protein Protects Escherichia coli DNA in the Form of the Trimer	Krupyanskii, Y. , Kovalenko, V., Tereshkina, K., ...Moiseenko, A., Loiko, N.	International Journal of Molecular Sciences 26(2)	2025
Peculiarities of DNA Binding to Two-Dimensional Crystals of Bacterial Protein DPS from Escherichia coli Based on Molecular Dynamics Data	Krupyanskii, Y.F. , Tereshkin, E.V., Tereshkina, K.B., ...Loiko, N.G., Kovalenko, V.V.	Russian Journal of Physical Chemistry B 18(6), pp. 1604-1611	2024
The Structure of DNA in Anabiotic and Mummified Escherichia coli Cells	Krupyanskii, Y.F. , Kovalenko, V.V., Loiko, N.G., ...Tereshkina, K.B., Popov, A.N.	Russian Journal of Physical Chemistry B 18(4), pp. 1134-1140	2024
Protein Dynamics: Hydration, Temperature, and Solvent Viscosity Effects as Revealed by Rayleigh Scattering of Mossbauer Radiation	Krupyanskii, Y.F. , Goldanskii, V.I.	Protein-Solvent Interactions pp. 289-326	2024
Condensed DNA Structure in Bacteria Subjected to Various Types of Stress	Krupyanskii, Y.F. , Loiko, N.G., Kovalenko, V.V., ...Popov, A.N., Sokolova, O.S.	Moscow University Biological Sciences Bulletin 78(Suppl 1), pp. S45-S49	2023
Effect of Temperature on the Protective Properties of the Escherichia coli DNA-Binding Protein Dps under Desiccation Stress	Krupyanskii, Y.F. , Loiko, N.G., Tereshkin, E.V., ...Kovalenko, V.V., Tereshkina, K.B.	Microbiology (Russian Federation) 92(Suppl 1), pp. S78-S82	2023
Determination of DNA architecture of bacteria under various types of	Krupyanskii, Y.F.	Biophysical Reviews	2023

stress, methodological approaches, problems, and solutions

15(5), pp. 1035-1051

DNA Condensation in Bacteria

Krupyanskii, Y.F., Generalova, A.A., Kovalenko, V.V., ...Sokolova, O.S., Popov, A.N.

Russian Journal of Physical Chemistry B
17(3), pp. 517-532

2023

Mechanisms of Interaction of Escherichia coli Biopolymers with 4-Hexylresorcinol

Krupyanskii, Y.F., Tereshkin, E.V., Tereshkina, K.B., ...Loiko, N.G., Kovalenko, V.V.

Russian Journal of Physical Chemistry B
17(3), pp. 608-619

2023

DNA-Binding Protein Dps Protects Escherichia coli Cells against Multiple Stresses during Desiccation

Krupyanskii, Y., Loiko, N., Tereshkina, K., ...Kovalenko, V., Sokolova, O.S.

Biology
12(6)

2023

Architecture of Condensed DNA in the Nucleoid of Escherichia coli Bacterium

Krupyanskii, Y.F., Kovalenko, V.V., Loiko, N.G., ...El'-Registan, G.I., Popov, A.N.

Biophysics (Russian Federation)
67(4), pp. 506-517

2022

Possible Mechanisms of 4-Hexylresorcinol Influence on DNA and DNA-Dps Nanocrystals Affecting Stress Sustainability of Escherichia coli

Krupyanskii, Y.F., Tereshkin, E.V., Loiko, N.G., ...Tereshkina, K.B., Kovalenko, V.V.

Russian Journal of Physical Chemistry B
16(4), pp. 726-737

2022

Predicting Binding Free Energies for DPS Protein-DNA Complexes and Crystals Using Molecular Dynamics

Krupyanskii, Y.F., Tereshkin, E.V., Tereshkina, K.B.

Supercomputing Frontiers and Innovations

2022

9(2), pp. 33-45

Application of Special Electron Microscopy Techniques to the Study of DNA – Protein Complexes in E. coli Cells

Krupyanskii, Y.F., Moiseenko, A., Loiko, N., ...Sokolova, O.S.

Methods in Molecular Biology
2516, pp. 143-156

2022

Molecular dynamics of DNA-binding protein and its 2D-crystals

Krupyanskii, Y.F., Tereshkin, E.V., Tereshkina, K.B.

Journal of Physics: Conference Series
2056(1)

2021

Migration of 4-Hexylresorcinol Through Escherichia coli Cell Membranes

Krupyanskii, Y.F., Tereshkin, E.V., Loiko, N.G., ...Tereshkina, K.B.

Russian Journal of Physical Chemistry B
15(6), pp. 1026-1035

2021

Architecture of Nucleoid in the Dormant Cells of Escherichia coli

Krupyanskii, Y.F.

Russian Journal of Physical Chemistry B
15(2), pp. 326-343

2021

Multi-crystal data collection using synchrotron radiation as exemplified with low-symmetry crystals of Dps

Krupyanskii, Y., Kovalenko, V., Popov, A., ...Santoni, G., Tereshkin, E.

Acta Crystallographica Section F: Structural Biology Communications
76, pp. 568-576

2020

Morphological peculiarities of the DNA-protein complexes in starved Escherichia coli cells

Krupyanskii, Y., Loiko, N., Danilova, Y., ...Moiseenko, A., Sokolova, O.

PLoS ONE
15(10 October)

2020

Relationship between the Imbalance of Macro- and Microelement Homeostasis System and the Development of Structural Disintegration in the Major Arteries of the Head

Krupyanskii, Y.F., Protasova, O.V., Maksimova, I.A., ...Dobrynina, L.A., Gubanova, M.V.

Human Physiology
46(4), pp. 417-422

2020

Analysis of Element Composition of DNA-Protein Crystals In Vitro

Krupyanskii, Y.F., Moiseenko, A.V., Loiko, N.G., ...Chertkov, O.V., Sokolova, O.S.

Moscow University Biological Sciences
Bulletin
74(4), pp. 240-245

2019

Projection structures reveal the position of the DNA within DNA-Dps Co-crystals

Krupyanskii, Y.F., Moiseenko, A., Loiko, N., ...Tereshkina, K., Sokolova, O.S.

Biochemical and Biophysical Research
Communications
517(3), pp. 463-469

2019

Structure of DPS Protein Complexes with DNA

Krupyanskii, Y.F., Tereshkin, E.V., Tereshkina, K.B., ...Kovalenko, V.V., Loiko, N.G.

Russian Journal of Physical Chemistry B
13(5), pp. 769-777

2019

Interaction of deoxyribonucleic acid with deoxyribonucleic acid-binding protein from starved cells: cluster formation and crystal growing as a model of initial stages of nucleoid biocrystallization

Krupyanskii, Y., Tereshkin, E., Tereshkina, K., ...Loiko, N., Kovalenko, V.

Journal of Biomolecular Structure and
Dynamics
37(10), pp. 2600-2607

2019

Projection Structures of DNA-Dps Co-crystals are Determined by the Length of the Incorporated DNA	Krupyansky, Y. , Moiseenko, A., Tereshkina, K., ...Loiko, N., Sokolova, O.S.	Microscopy and Microanalysis 24(S1), pp. 1240-1241	2018
Biocrystallization in Bacterial and Fungal Cells and Spores	Krupyanskii, Y.F. , Loiko, N.G., Sinitsyn, D.O., ...Shaitan, K.V., Popov, A.N.	Crystallography Reports 63(4), pp. 594-599	2018
Hybrid Biodegradable Nanocomposites Based on a Biopolyester Matrix and Magnetic Iron Oxide Nanoparticles: Structural, Magnetic, and Electronic Characteristics	Prusakov, V.E., Maksimov, Y.V., Nishchev, K.N., ...Iordanskii, A.L., Berlin, A.A.	Russian Journal of Physical Chemistry B 12(1), pp. 158-164	2018
Biocrystalline structures in the nucleoids of the stationary and dormant prokaryotic cells	Krupyanskii, Y.F. , Loiko, N.G., Suzina, N.E., ...Soina, V.S., El'-Registan, G.I.	Microbiology (Russian Federation) 86(6), pp. 714-727	2017
Biocrystallization of bacterial nucleoid under stress	Krupyanskii, Y.F. , Sinitsyn, D.O., Loiko, N.G., ...Gularyan, S.K., Popov, A.N.	Russian Journal of Physical Chemistry B 11(5), pp. 833-838	2017
Mössbauer spectroscopy study of magnetic iron oxide nanoclusters in a biocomposite based on poly(3-hydroxybutyrate) and chitosan	Krupyanskii, Y.F. , Prusakov, V.E., Maksimov, Y.V., ...Nishchev, K.N., Berlin, A.A.	Doklady Physical Chemistry 463(2), pp. 176-178	2015
Efficient calculation of diffracted intensities in the case of nonstationary	Krupyanskii, Y.F. , Lunin, V.Y., Grum-Grzhimailo, A.N., ...Gryzlova,	Acta Crystallographica Section D:	2015

scattering by biological macromolecules under XFEL pulses	E.V., Stepanov, A.S.	Biological Crystallography 71, pp. 293-303	
New possibilities of X-ray nanocrystallography of biological macromolecules based on X-ray free-electron lasers	Krupyanskii, Y.F. , Sinitsyn, D.O., Lunin, V.Y., ...Grum-Grzhimailo, A.N., Stepanov, A.S.	Russian Journal of Physical Chemistry B 8(4), pp. 457-463	2014
Femtosecond X-ray free-electron lasers: A new tool for studying nanocrystals and single macromolecules	Krupyanskii, Yu.F. , Balabaev, N.K., Petrova, T.E., ...Lunin, V.Yu., Grum-Grzhimailo, A.N.	Russian Journal of Physical Chemistry B 8(4), pp. 445-456	2014
Influence of small-molecule ligands and their complexes on lysozyme properties	Krupyanskii, Y.F. , Tereshkina, K.B., Stepanov, A.S., ...Sinitsyn, D.O.	Russian Journal of Physical Chemistry B 8(4), pp. 534-542	2014
Computer simulation of diffraction of X-ray pulses by nanocrystals of biological macromolecules using unitary approximation of nonstationary atomic scattering factors	Krupyanskii, Y.F. , Lunin, V.Y., Grum-Grzhimailo, A.N., ...Gryzlova, E.V., Stepanov, A.S.	Mathematical Biology and Bioinformatics 8(1), pp. 93-118	2013
Possible mechanisms of the influence of hexylresorcinol on the structure-dynamic and functional properties of lysozyme protein	Krupyanskii, Yu.F. , Abdalnasyrov, E.G., Loiko, N.G., ...Tereshkina, K.B., El'-Registan, G.I.	Russian Journal of Physical Chemistry B 6(2), pp. 301-314	2012

Influence of chemical chaperones on the properties of lysozyme and the reaction center protein from Rhodobacter sphaeroides	Krupyanskii, Y.F. , Knox, P.P., Loiko, N.G., ...El'-Registan, G.I., Rubin, A.B.	Biophysics 56(1), pp. 8-23	2011
[Effect of chemical chaperones on properties of lysozyme and the reaction center protein from Rhodobacter sphaeroides].	Krupianskiĭ, I.F. , Noks, P.P., Loĭko, N.G., ...El'-Registan, G.I., Rubin, A.B.	Biofizika 56(1), pp. 13-30	2011
The influence of alkylhydroxybenzenes on electron stabilization processes in the quinone acceptor portion of the reaction centers of the bacterium Rhodobacter sphaeroides	Knox, P.P., Lukashev, E.P., Simanova, A.V., ...El'-Registan, G.I., Rubin, A.B.	Microbiology 79(2), pp. 262-264	2010
Regulation of the functional activity of lysozyme by alkylhydroxybenzenes	Petrovskii, A.S., Deryabin, D.G., Loiko, N.G., ...Kozlova, A.N., El'-Registan, G.I.	Microbiology 78(2), pp. 144-153	2009
Regulation of lysozyme function by alkyloxybenzenes	Pertovskiĭ, A.S., Deriabin, D.G., Loĭko, N.G., ...Kozlova, A.N., El'-Registan, G.I.	Mikrobiologĭia 78(2), pp. 176-185	2009
Changes in physicochemical properties of proteins, caused by modification with alkylhydroxybenzenes	Krupianskiĭ, I.F. , Nikolaev, I.A., Loĭko, N.G., ...Stepanenko, I.I., El'-Registan, G.I.	Prikladnaia biokhimiia i mikrobiologĭia 44(2), pp. 159-167	2008
Changes in physicochemical properties of proteins, caused by	Krupyanskii, Yu.F. , Nikolaev, Yu.A., Loiko, N.G., ...Stepanenko,	Applied Biochemistry and Microbiology	2008

modification with alkylhydroxybenzenes	I.Yu., El-Registan, G.I.	44(2), pp. 143-150	
A study of protein structure changes during hydration by diffuse X-ray scattering: II. Fourier transform analysis of diffuse X-ray scattering data	Krupyansky, Yu.F. , Mikhailyuk, M.G., Esin, S.V., ...Knox, P.P., Rubin, A.B.	Biophysics 51(1), pp. 8-16	2006
A study of protein structure changes during hydration by means of diffuse X-ray scattering. II. Fourier transform analysis of X-ray scattering data	Krupianskiĭ, I.F. , Mikhaĭliuk, M.G., Esin, S.V., ...Noks, P.P., Rubin, A.B.	Biofizika. 51(1), pp. 13-23	2006
A study of protein structure changes during hydration by diffuse X-ray scattering: I. Intensity and shape of the ten-angstrom maximum	Krupyanskii, Yu.F. , Eshchenko, G.V., Esin, S.V., ...Knox, P.P., Rubin, A.B.	Biophysics 50(6), pp. 865-873	2005
A study of protein structure changes during hydration by diffuse X-ray scattering. I. The intensity and the shape of 10-angstrom maximum	Krupianskiĭ, I.F. , Eshchenko, G.V., Esin, S.V., ...Noks, P.P., Rubin, A.B.	Biofizika. 50(6), pp. 1002-1012	2005
Equilibrium fluctuations in myoglobin and lysozyme	Krupyanskii, Yu.F. , Esin, S.V., Mikhailyuk, M.G., ...Vetrov, O.D., Eshchenko, G.V.	Biophysics 49(3), pp. 381-391	2004
Discontinuous structure of hyperfine field distribution at Fe nuclei in FePd alloy for a massive state and nanoparticles	Krupyanskij, Yu.F. , Petrov, Yu.I., Shafranovskij, E.A., ...Essine, S.V.	Doklady Akademii Nauk	2004

399(1), pp. 76-81

Discrete structure of the hyperfine field distribution at Fe nuclei in the bulk FePd alloy and its nanoparticles

Krupyanskii, Yu.F., Petrov, Yu.I., Shafranovskii, E.A., ...Esin, S.V.

Doklady Physical Chemistry

399(1-3), pp. 269-274

2004

Equilibrium fluctuations in myoglobin and lysozyme

Krupianskiĭ, I.F., Esin, S.V., Mikhaĭliuk, M.G., ...Vetrov, O.D., Eshchenko, G.V.

Biofizika

49(3), pp. 401-412

2004

Space-time characteristics of specific protein movement in myoglobin and lysocime

Krupyanskij, Yu.F., Esin, S.V., Mihajlyuk, M.G., ...Eshchenko, G.V.

Khimicheskaya Fizika

22(2), pp. 41-57

2003

Equilibrium dynamics and energetic landscape of simple globular proteins

Krupyanskij, Yu.F., Esin, S.V., Michajlyuk, M.G.

Izvestiya Akademii Nauk. Ser. Fizicheskaya

67(9), pp. 1341-1347

2003

Dynamical properties and energy landscape of simple globular proteins

Krupyanskiĭ, Yu.F., Goldanskiĭ, V.I.

Physics-Uspekhi

45(11), pp. 1131-1151

2002

Spatio - Temporal features of protein specific motions. The influence of hydration

Krupyanskii, Yu.F., Esin, S.V., Eshenko, G.V., ...Mikhailyuk, M.G.

Journal of Biological Physics

28(2), pp. 139-145

2002

Equilibrium Fluctuations in Lysozyme and Myoglobin	Iu F Krupianskiĭ, S V Esin, M G Mikhaĭliuk, O D Vetrov, G V Eshchenko	Hyperfine Interactions 141-142(1-4), pp. 273-277	2002
Dynamical properties and energy landscape of simple globular proteins	Krupyanskij, Yu.F., Gol'danskij, V.I.	Uspekhi Fizicheskikh Nauk 172(11), pp. 1247-1271	2002
Structure and Mössbauer spectra for the Fe-Cr system: From bulk alloy to nanoparticles	Krupyanskii, Y.F., Petrov, Y.I., Shafranovsky, E.A., ...Essine, S.V.	Journal of Applied Physics 91(1), pp. 352-361	2002
Peculiarities on the structure and local magnetic order in nanoparticles of Fe-Cr alloy	Krupyanskij, Yu.F., Petrov, Yu.I., Shafranovskij, E.A., ...Esin, S.V.	Doklady Akademii Nauk 379(3), pp. 357-362	2001
Comparison of the dynamics of some globular proteins with the dynamics of polyglutamic acid in α-helical and coil states. Rayleigh scattering of Moessbauer radiation data	Krupyanskii, Yu.F., Kurinov, I.V., Kuznetsov, S.A., ...Eshenko, G.V., Goldanskii, V.I.	Biofizika 42(1)	1997
Comparison of dynamic properties of various globular proteins and polyglutamic acid in alpha-helical and coil states. Rayleigh scattering of Mossbauer radiation data	Krupianskii, I.F., Kurinov, I.V., Kuznetsov, S.A., ...Eshchenko, G.V., Gol'danskii, V.I.	Biofizika 42(1), pp. 39-46	1997

Dielectric relaxation models applied to the dynamics of myoglobin as determined by Mössbauer spectroscopy

Chang I., Hartmann H., Krupyanskii Yu, Zharikov A., Parak F.

Chemical Physics
212(1 SPEC. ISSUE), pp. 221-229

1996

Dynamics of polyglutamic acids in α -helical and coil states. Comparison with dynamics of some globular proteins. Rayleigh scattering of Mössbauer radiation (RSMR) data

Yu. F. Krupyanskii, I. V. Kurinov, S. A. Kuznetsov, G. V. Eshenko & F. Parak

Il Nuovo Cimento D
18(2-3), pp. 365-369

1996

Dynamics of polyglutamic acids in α -helical and coil states. Comparison with dynamics of some globular proteins. Rayleigh scattering of Mössbauer radiation (RSMR) data

Yu. F. Krupyanskii, I. V. Kurinov, S. A. Kuznetsov, G. V. Eshenko & F. Parak

Nuovo Cimento della Societa Italiana di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics
18(2-3), pp. 365-369

1996

Vitrification effects in water-protein systems

Krupyanskii, Yu.F., Barkalov, I.M., Bolshakov, A.I., ...Gol'danskii, V.I.

Chemical Physics Letters
208(1-2), pp. 1-4

1993

Effects of glassing in aqueous protein systems

Krupianskiĭ, I.F., Barkalov, I.M., Bol'shakov, A.I., ...Gol'danskiĭ, V.I.

Doklady Akademii nauk / [Rossiiskaia akademii nauk]
326(6), pp. 1083-1087

1992

Study of dynamics of human serum albumin by means of coherent

Krupyansky Yu., F., Albanese,

Molekulyarnaya Biologiya

1992

Rayleigh scattering of Moessbauer radiation	G., Goldansky, V.I., ...Kurinov, I.V., Suzdalev, I.P.	26(6), pp. 1389-1396	
Determination of space-time characteristics of motions in macromolecular systems over a wide range from Mossbauer spectra	Basovets, S.K., Uporov, I.V., Shaitan, K.V., ...Rochev, V.Ya., Suzdalev, I.P.	Soviet journal of chemical physics 9(5), pp. 1141-1149	1992
The effect of high pressure of protein dynamics from Rayleigh scattering of Mossbauer irradiation data	Krupianskiĭ, I.F., Suzdalev, I.P., Kurinov, I.V., ...Livshits, L.D., Gol'danskiĭ, V.I.	Doklady Akademii nauk SSSR 321(4), pp. 842-845	1991
Investigation of different protein states by Rayleigh Scattering of Mössbauer Radiation (RSMR)	Krupyanskii, Yu.F., Kurinov, I.V., Suzdalev, I.P., ...Goldanskii, V.I.	Hyperfine Interactions 67(1-4), pp. 597-601	1991
Mössbauer studies of the dynamics of biopolymers and model systems	Krupyanskii, Yu.F., Suzdalev, I.P., Goldanskii, V.I., ...Kurinov, I.V., Plachinda, A.S.	Hyperfine Interactions 66(1-4), pp. 177-189	1991
Intramolecular motions in proteins and model polymers on Moessbauer Spectroscopy and Rayleigh Scattering of Moessbauer Radiation data	Krupyanskii, Yu.F., Suzdalev, I.P., Goldanskii, V.I., ...Kurinov, I.V., Plachinda, A.S.	Applied Magnetic Resonance 1(3), pp. 463-481	1990
Intramolecular dynamics of hydrated DNA studied by Rayleigh scattering of Mössbauer radiation (RSMR)	Krupyanskii, Yu.F., Kurinov, I.V., Panchenko, A.R., ...Rubin,	Hyperfine Interactions	1990

	A.B., Goldanskii, V.I.	58(1-4), pp. 2355-2357	
Dynamics of protein-water systems revealed by Rayleigh scattering of Mössbauer radiation (RSMR)	Krupyanskii, Yu.F., Goldanskii, V.I., Nienhaus, G.U., ...Parak, F.	Hyperfine Interactions 53(1-4), pp. 59-73	1990
Protein and protein-bound water dynamics studied by rayleigh scattering of mossbauer radiation (rsmr)	Krupyanskii, Y.F., Goldanskii, V.I.	Quarterly Reviews of Biophysics 22(1), pp. 39-92	1989
Evaluation of the contributions of different forms of the motion of protein globules to the effects observed by Rayleigh scatter of Mössbauer radiation and Mössbauer absorption spectroscopy	Krupyanskii, Yu.F., Shaitan, K.V., Kurinov, I.V., ...Rubin, A.B., Gol'danskii, V.I.	Biophysics 33(3), pp. 430-436	1988
Study of the effect of composition and viscosity of the solvent on the molecular dynamics of human serum albumin using Rayleigh scatter of Mössbauer radiation	Krupyanskiii, Yu.F., Kurinov, I.V., Genkin, M.V., ...Suzdalev, I.P., Gol'danskii, V.I.	Biophysics 33(3), pp. 436-442	1988
Electronic state of the iron atom in heme and heme protein molecular motion studied by Mössbauer spectroscopy	Krupyanskii, Yu.F., Suzdalev, I.P., Goldanskii, V.I.	Journal of Molecular Catalysis 47(2-3), pp. 179-186	1988
Evaluation of the contribution of various types of movement of protein	Iu F Krupianskii, K V Shaïtan, I V	Biofizika	1988

globules into effects observed using the Rayleigh scattering of Mössbauer radiation or the Mössbauer absorption spectroscopy	Kurinov, I P Suzdalev, A B Rubin	33(3), pp. 401-406	
A study of the effect of solvent composition and viscosity on the molecular dynamics of human serum albumin using Rayleigh scattering of Mössbauer radiation	I V Kurinov, Iu F Krupianskii, M V Genkin, R M Davydov, I P Suzdalev	Biofizika 33(3), pp. 407-412	1988
A method of mössbauer fourier spectroscopy for determination of the biopolimer coordinate correlation functions	Basovets, S.K., Uporov, I.V., Shaitan, K.V., ...Rubin, A.B., Goldanskii, V.I.	Hyperfine Interactions 39(4), pp. 369-378	1988
Study of protein dynamics by Rayleigh scattering of Mössbauer radiation (RSMR)	Krupyanskii, Yu.F., Goldanskii, V.I.	Hyperfine Interactions 39(4), pp. 341-358	1988
Study of protein dynamics by Mössbauer spectroscopy	Krupyanskii, Yu.F., Shaitan, K.V., Gol'danskii, V.I., ...Rubin, A.B., Suzdalev, I.P.	Biophysics 32(5), pp. 820-836	1987
Influence of hydration on the dynamics of some globular proteins from study by rayleigh scatter of Mössbauer radiation	Krupyanskii, Yu.F., Kurinov, I.V., Suzdalev, I.P., ...Goldanskii, V.I.	Biophysics 32(2), pp. 224-229	1987

Study of protein dynamics using Mössbauer spectroscopy	Krupianskiĭ, I.F. , Shaĭtan, K.V., Gol'danskiĭ, V.I. , ...Kurinov, I.V., Rubin, A.B.	Biofizika 32(5), pp. 761-774	1987
Study of the effect of hydration on the dynamics of various globular proteins by Rayleigh scattering of Mössbauer radiation	Krupianskiĭ, I.F. , Kurinov, I.V., Suzdalev, I.P., ...Gol'danskiĭ, V.I.	Biofizika 32(2), pp. 210-214	1987
RSMR study of the hydration effect on the dynamics of some globular proteins	Krupyanskii, Yu.F. , Kurinov, I.V., Suzdalev, I.P., ...Goldanskii, V.I.	Hyperfine Interactions 33(1-4), pp. 223-232	1987
Rayleigh scattering of mössbauer radiation (Rsmr) data, hydration effects and glass-like dynamical model of biopolymers	Krupyanskii, Y.F. , Gol'Danskii, V.I. , Fleurov, V.N.	Physica Scripta 33(6), pp. 527-540	1986
Rayleigh scattering of Mössbauer radiation (RSMR) in human serum albumin	Albanese, G., Deriu, A., Cavatorta, F., ...Suzdalev, I.P., Goldanskii, V.I.	Hyperfine Interactions 29(1-4), pp. 1407-1409	1986
The mobility of chromatophore membranes from Ectothiorhodospira Shaposhnikovii revealed by Rayleigh scattering of Mössbauer radiation (RSMR) experiments	Yu. F. Krupyanskii D. Bade , I. V. Sharkevich, N. Ya. Uspenskaya, A. A. Kononenko, I. P. Suzdalev , F. Parak , V. I. Goldanskii, R. L. Mrssbauer, and A. B. Rubin	European Biophysics Journal 12(2), pp. 107-114	1985

Dynamics of biopolymers and the glass model of proteins and DNA	Krupyanskii, Y.F., Gol'danskii, V.I.	Soviet Physics - Uspekhi 27(6), pp. 462-463	1984
Tunneling between quasi-degenerate conformational states and the low-temperature thermal capacity of biopolymers. A glass-like protein model	Krupianskiĭ, I.F., Gol'danskiĭ, V.I., Flerov, V.N.	Doklady Akademii nauk SSSR 272(4), pp. 978-981	1983
Role of conformational sub-states on the reaction capacity of protein molecules	Krupianskiĭ, I.F., Gol'danskiĭ, V.I., Frolov, E.N.	Molekulyarnaya Biologiya 17(3), pp. 532-542	1983
Investigation of Large Intramolecular Movements within Metmyoglobin by Rayleigh Scattering of Mössbauer Radiation (RSMR)	Krupyanskii YuF, F Parak, V I Goldanskii, R L Mössbauer, E E Gaubman, H Engelmann, I P Suzdalev	Zeitschrift fur Naturforschung - Section C Journal of Biosciences 37(1-2), pp. 57-62	1982
Debye-Waller factor on Rayleigh scatter of Mössbauer radiation in substances with strong conformational mobility	Iu F Krupianskiĭ, K V Shaĭtan, E E Gaubman, V I Gol'danskiĭ, A B Rubin	Biophysics 26(6), pp. 1059-1066	1981
Debye-Waller factor of Rayleigh scattering of Mössbauer radiation at substances with strong conformation motions	Krupianskiĭ, I.F., Shaĭtan, K.V., Gaubman, E.E., ...Gol'danskiĭ, V.I., Rubin, A.B.	Biofizika 26(6), pp. 1037-1044	1981
Study of chromophore dynamics by means of Rayleigh scattering of	Krupianskiĭ, I.F., Gaubman, E.E., Shaĭtan, K.V., ...Gol'danskiĭ,	Molekulyarnaya Biologiya	1981

Mossbauer radiation	V.I., Rubin, A.B.	15(5), pp. 1109-1122	
USE OF A RING DETECTOR IN THE TECHNIQUE OF RAYLEIGH SCATTERING OF MOESSBAUER RADIATION.	Krupyanskii, Yu.F. , Gaubman, E.E., Suzdalev, I.P.	Instruments and experimental techniques New York 24(3 pt 1), pp. 620-621	1981
INVESTIGATION OF THE DYNAMICS OF METMYOGLOBIN BY RAYLEIGH SCATTERING OF MOESSBAUER RADIATION (RSMR).	Yu. Krupyanskii, F. Parak, E. Gaubman, F. Wagner, V. Goldanskii, R. Mössbauer, I. Suzdalev, F. Litterst, H. Vogel	Journal de physique. Colloque 41 Colloq C-1(1), pp. 489-490. 10.1051/jphyscol:19801193	1979
MOESSBAUER STUDY OF THE LOCAL MAGNETIC STRUCTURE OF IRON epsilon -CARBIDE AND THE INTERMEDIATE CARBIDES WHICH ARISE DURING epsilon yields CHI yields theta TRANSFORMATIONS.	Krupyanskiy, Yu.F. , Arents, R.A., Maksimov, Yu.V., ...Suzdalev, I.P., Imshennik, V.K.	Physics of Metals and Metallography 36(2), pp. 46-53	1973
MOESSBAUER STUDY OF THE FORMATION AND GROWTH OF IRON OXIDE PARTICLES DURING TOPOCHEMICAL DECOMPOSITION OF FERRIC OXALATE	KRUPYANSKII YUF, SUZDALEV IP	Kinetics and Catalysis 10(6 pt 1), pp. 1036-1038	1969

В соавторстве с В.Гольданским 34 публикации