

Leonid Aleksandrovich ASLANOV

Selected papers in journals

2017 Design of 2D nanocrystals

Zakharov V.N., Yatsenko A.V., Paseshnichenko K.A., Dunaev S.F., Aslanov L.A.
Structural Chemistry, Springer-Verlag (Heidelberg, Germany), v. 28, № 1, p. 141-146 DOI

2017 Molecular structure of clonidine: gas-phase electron diffraction, single-crystal X-ray diffraction and quantum chemical studies

Kolesnikova Inna N., Rykov Anatolii N., Shishkov Igor F., Tafeenko Victor A., Aslanov Leonid A.

Physical Chemistry Chemical Physics, Royal Society of Chemistry (United Kingdom) DOI

2016 Double stabilization of nanocrystalline silicon: a bonus from solvent

Kolyagin Y.G., Zakharov V.N., Yatsenko A.V., Paseshnichenko K.A., Savilov S.V., Aslanov L.A.

Journal of Nanoparticle Research, Kluwer Academic Publishers (Netherlands), v. 18, № 1: article 17, p. 1-11 DOI

2016 Enhancing the cytotoxic activity of anticancer Pt(IV) complexes by introduction of lonidamine as an axial ligand

Nosova Yulia N., Foteeva Lidia S., Zenin Ilia V., Fetisov Timur I., Kirsanov Kirill I., Yakubovskaya Marianna G., Antonenko Taisya A., Tafeenko Viktor A., Aslanov Leonid A., Lobas Anna A., Gorshkov Mikhail V., Markus Galanski, Keppler Bernhard K., Timerbaev Andrei R., Milaeva Elena R., Nazarov Alexey A.

European Journal of Inorganic Chemistry, John Wiley & Sons Ltd. (United Kingdom), v. 1, № 1, p. 1-8 DOI

2016 Synthesis and biological activity of novel Au(I) complexes with a protective antioxidant 2,6-di-tert-butylphenol group

Milaeva E.R., Shpakovsky D.B., Dyadchenko V.P., Gryzlov A.I., Gracheva Yu A., Antonenko T.A., Parulava M.J., Albov D.V., Aslanov L.A., Dubova L.G., Shevtsov P.N., Neganova M.E., Shevtsova E.F., Dubova L.G., Neganova M.E.

Polyhedron, Pergamon Press (United States) DOI

2015 FREE-STANDING FLAT SILICENE NANOCRYSTALS STABILIZED WITH PERFLUOROPHENYL LIGANDS: EXPERIMENT AND AB INITIO RESEARCH

Aslanov L.A., Kudryavtsev I.K., Zakharov V.N., Kulatov E.T., Uspenskii Y.A.
Solid State Phenomena, v. 233, p. 575-578 DOI

2015 Silicon Nanocrystals Stabilized by Organic Radicals: Spectral and Theoretical Study

Senyavin V.M., Feklichev E.D., Zakharov V.N., Kuramshina G.M., Aslanov L.A.
Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 41, № 4, p. 221-229 DOI

2015 Solutions of complex copper salts in LTTM

Zakharov M.A., Fetisov G.V., Veligzhanin A.A., Bykov M.A., Paseshnichenko K.A., Dunaev S.F., Aslanov L.A.

Dalton Transactions, Royal Society of Chemistry (United Kingdom), v. 44, p. 18576-18584 DOI

2015 Studies of silicon nanocluster ligand coating by solid-state NMR

Kolyagin Yu G., Zakharov V.N., Yatsenko A.V., Aslanov L.A.

Russian Chemical Bulletin, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 64, № 8, p. 1829-1832 DOI

2014 Synthesis, antiradical activity and in vitro cytotoxicity of novel organotin complexes based on 2,6-di-tert-butyl-4-mercaptophenol

Shpakovsky D.B., Banti C.N., Mukhatova E.M., Gracheva Yu A., Osipova V.P., Berberova N.T., Albov D.V., Antonenko T.A., Aslanov L.A., Milaeva E.R., Hadjikakou S.K.

Dalton Transactions, Royal Society of Chemistry (United Kingdom), v. 43, № 18, p. 6880-6890 DOI

2014 The isolated flat silicon nanocrystals (2D structures) stabilized with perfluorophenyl ligands

Orekhov A.S., Savilov S.V., Zakharov V.N., Yatsenko A.V., Aslanov L.A. *Journal of Nanoparticle Research, Kluwer Academic Publishers (Netherlands)*, v. 16, № 1, p. 2190-2197 DOI

2013 Synthesis and properties of nanosilicon stabilized by butyl and perfluorobutyl ligands
Aslanov L.A., Zakharov V.N., Pavlikov A.V., Savilov S.V., Timoshenko V.Yu, Yatsenko A.V. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, Maik Nauka/Interperiodica Publishing (Russian Federation)*, v. 39, № 6, p. 427-431 DOI

2012 Structures of ionic liquids in melts

Aslanov L.A.

Russian Journal of Inorganic Chemistry, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 57, № 13, p. 1-13

2011 Ionic liquids: Liquid structure

Aslanov L.A.

Journal of Molecular Liquids, Elsevier BV (Netherlands), v. 162, № 3, p. 101-104 DOI

2011 Photoluminescent silicon nanocrystals stabilized by ionic liquid

Kamyshny A., Zakharov V.N., Zakharov M.A., Yatsenko A.V., Savilov S.V., Aslanov L.A., Magdassi S.

Journal of Nanoparticle Research, Kluwer Academic Publishers (Netherlands), v. 13, № 5, p. 1971-1978 DOI

2010 Luminescence properties of the structure built from 3-cyano-4-

dicyanomethylene-5-oxo-4,5-dihydro-1H-pyrrol-2-olate and caesium(I)

Tafeenko Viktor A., Gurskiy Stanislav I., Fazylbekov Marat F., Baranov Andrey N., Aslanov Leonid A.

Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 66, p. M32-M34 DOI

2010 Stabilization of silicon nanoparticles by carbenes

Aslanov L.A., Zakharov V.N., Zakharov M.A., Kamyshny A.L., Magdassi Sh, Yatsenko A.V.

Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 36, № 5, p. 330-332 DOI

2009 Luminescence properties of three structures built from 3-cyano-4-dicyanomethylene-5-oxo-4,5-dihydro-1H-pyrrol-2-olate and alkaline metals (Na, K and Rb)

Tafeenko Viktor A., Gurskiy Stanislav I., Baranov Andrey N., Kaisarova Tatiana V., Aslanov Leonid A.

Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 65, p. M52-M55 DOI

2008 Heterogeneous catalysis in ionic liquids: The heck reaction of bromobenzene with styrene over palladium supported on mesoporous carbon

Aslanov L.A., Valetskii P.M., Zakharov V.N., Kabachii Yu A., Kochev S.Yu, Romanovskii B.V., Yatsenko A.V.

Petroleum Chemistry, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 48, № 5, p. 360-365 DOI

2008 Mesoporous soot-supported palladium as a heterogeneous catalyst for the Heck reaction in ionic liquids

Aslanov Leonid A., Kabachii Yury A., Kochev Sergey Yu, Romanovsky Boris V., Valletsky Petr M., Volkov Vladimir V., Yatsenko Alexander V., Zakharov Valery N.

Mendeleev Communications, Elsevier BV (Netherlands), v. 18, № 6, p. 334-335 DOI

2007 Luminescent properties of three structures built from 3-cyano-4-di-cyanomethylene-5-oxo-4,5-dihydro-1H-pyrrol-2-olate and cadmium

Tafeenko Viktor A., Panin Gennady N., Baranov Andrey N., Ivan N Bardasov, Aslanov Leonid A.

Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 63, p. M541-M547 DOI

2007 Preparation of mesoporous aluminum hydroxide and oxide in ionic liquids

Aslanov L.A., Zakharov M.A., Knyazeva E.E., Yatsenko A.V.

Russian Journal of Inorganic Chemistry, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 52, № 10, p. 1511-1513 DOI

2007 Synchrotron powder diffraction in a systematic study of 4'-[2-(tosylamino)benzylideneamino]-2,3benzo-15-crown-5 complexes

Dorokhov Andrey V., Chernyshov Dmitrii Yu, Burlov Anatolii S., Garnovskii Alexandre D., Ivanova Irina S., Pyatova Elena N., Tsivadze Aslan Yu, Aslanov Leonid A., Chernyshev Vladimir V.

Acta Crystallographica Section B: Structural Science, Blackwell Publishing Inc. (United Kingdom), v. 63, p. 402-410 DOI

2005 Ammonium 3-cyano-4-(dicyanomethylene)-5-oxo-4,5-dihydro-1H-pyrrol-2-olate monohydrate

Tafeenko V.A., Peschar R., Kajukov Y.S., Kornilov K.N., Aslanov L.A.

Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 61, p. O366-O368 DOI

2005 Structural characterization of [1,4]diazepino[6,5-b]indoles by powder diffraction

Ryabova S.Y., Rastorgueva N.A., Sonneveld E.J., Peschar R., Schenk H., Tafeenko V.A., Aslanov L.A., Chernyshev V.V.

Acta Crystallographica Section B: Structural Science, Blackwell Publishing Inc. (United Kingdom), v. 61, p. 192-199 DOI

2005 The twofold interpenetrated three-connected three-dimensional (10,3)-net in 2-aminoethene-1,1,2-tricarbonitrile

Tafeenko V.A., Paseshnichenko K.A., Ershov O.V., Eremkin A.V., Aslanov L.A.

Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 61, p. O434-O43

2004 N,N-Dimethylanilinium 3-cyano-4-(dicyanomethylene)-5-oxo-4,5-dihydro-1H-pyrrol-2-olate

Tafeenko V.A., Peschar R., Kaukova O.V., Schenk H., Aslanov L.A.

Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 60, p. O62-O64 DOI

2004 N-methylpyridinium 3-cyano-4-(dicyanomethylene)-5-oxo-4,5-dihydro-1H-pyrrol-2-olate

Tafeenko V.A., Nikolaev A.N., Peschar R., Kaukova O.V., Schenk H., Aslanov L.A.
Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 60, p. O297-O299 DOI

2003 Potassium 3-cyano-4-(dicyanomethylene)-5-oxo-4,5-dihydro-1H-pyrrol-2-olate
Tafeenko V.A., Kaukova O.V., Peschar R., Petrov A.V., Aslanov L.A.
Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 59, p. M421-M423 DOI

2003 Vanadium peroxocomplexes as oxidation catalysts of sulfur organic compounds by hydrogen peroxide in bi-phase systems
Anisimov A.V., Fedorova E.V., Lesnugin A.Z., Senyavin V.M., Aslanov L.A., Rybakov V.B., Tarakanova A.V.
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1998 Crystal structures of pyrazolo[1,5-a]pyrimidine derivatives solved from powder diffraction data
Chernyshev V.V., Yatsenko A.V., Tafeenko V.A., Zhukov S.G., Aslanov L.A., Sonneveld E.J., Makarov V.A., Granik V.G., Trounov V.A., Kurbakov A.I.
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1997 1-allylgermatrane. Synthesis, structure and reaction with diazomethane
Zaitseva G.S., Karlov S.S., Alekseyeva E.S., Aslanov L.A., Avtomonov E.V., Lorberth J.
Zeitschrift für Naturforschung - Section A Journal of Physical Sciences, Verlag der Zeitschrift fur Naturforschung (Germany), v. 52, № 1, p. 30-34

1997 Crystal structures and NQR spectra of molecular adducts
(EtPh)(2)SnI2L2(L=(CH3)(2)SO and [(CH3)(2)N](3)PO) exhibiting large I-127 asymmetry parameters
Kravchenko E.A., Burtsev M.Y., Yatsenko A.V., Aslanov L.A.
Main Group Metal Chemistry, Freund Publishing House Ltd. (Israel), v. 20, № 5, p. 339-344

1996 7-methyl-6-phenylimidazo[2,1-b]thiazolium iodide
Tafeenko V.A., Schenk H., Paseshnichenko K.A., Aslanov L.A.
Acta Crystallographica Section C: Crystal Structure Communications, Blackwell Publishing Inc. (United Kingdom), v. 52, p. 729-731 DOI

1996 Pulsed optoacoustic effect in photoemulsions
Aslanov L.A., Karabutov A.A., Podymova N.B., Schenk H., Zakharov V.N.
Laser Physics, Maik Nauka/Interperiodica Publishing (Russian Federation), v. 6, № 6, p. 1105-1113

1996 Syntheses and solid-state structures of some dialkytin derivatives of alpha-methoxy- and alpha-acetoxy-phenylacetic acids
Petrosyan V.S., Yashina N.S., Drovetskaia T.V., Yatsenko A.V., Aslanov L.A., Pellerito L.
Applied Organometallic Chemistry, John Wiley & Sons Inc. (United States), v. 10, № 7, p. 523-530

1996 Synthesis and solid-state structures of some dialkytin derivatives of a-methoxy-and a-acetoxyphenylacetic acids
Drovetskaia, Yashina N., Yatsenko A., Aslanov L., Pellerito L., Petrosyan V.S.
Applied Organometallic Chemistry, John Wiley & Sons Inc. (United States), v. 10, p. 523-530

1995 X-RAY STRUCTURAL STUDY OF PH(2)PBCL(2)(DMSO)(2),
PH(2)PBCL(2)(HMPT)(2) AND PH(3)PBCL(HMPT)
YATSENKO A.V., ASLANOV L.A., SCHENK H.
Polyhedron, Pergamon Press (United States), v. 14, № 17-18, p. 2371-2377 DOI

- 1995 X-RAY-ANALYSIS AND COMPUTER MODELING OF THE STRUCTURE OF RELAXOR FERROELECTRICS PB3MGNB2O9 AND PB2SCTAO6 IN THE PARAELECTRIC STATE**
ZHUKOV S.G, CHERNYSHEV V.V, ASLANOV L.A, VAKHRUSHEV S.B, SCHENK H.
Journal of Applied Crystallography, Blackwell Publishing Inc. (United Kingdom), v. 28, p. 385-391 DOI
- 1994 CRYSTAL-STRUCTURES OF PH2PBCL2(IMIDAZOLE)2 ISOMERS WITH TRANS-ARRANGEMENTS AND CIS-ARRANGEMENTS OF THE PHENYL GROUPS**
YATSENKO A.V, SCHENK H., ASLANOV L.A
Journal of Organometallic Chemistry, Elsevier BV (Netherlands), v. 474, № 1-2, p. 107-111 DOI
- 1994 SYNTHESIS AND STRUCTURES OF SOME DIORGANOTIN BIS(HYDROXAMATE)S**
PETROSYAN V.S, YASHINA N.S, SIZOVA T.V, LEONOVA T.V, ASLANOV L.A, YATSENKO A.V, PELLERITO L.
Applied Organometallic Chemistry, John Wiley & Sons Inc. (United States), v. 8, № 1, p. 11-17 DOI
- 1994 Synthesis, structures of some diorganotin bis(hydroxamate)s**
Yashina N.S., Sizova T.V., Leonova T.V., Aslanov L.A., Yatsenko A.V., Pellerito L., Petrosyan V.S.
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- 1994 THE BEHAVIOR OF 2-METHYLENE-3-FERROCENYLMETHYLENECAMPHANE UNDER CONDITIONS LEADING TO THE CYCLODIMERIZATION OF FERROCENYL-1,3-BUTADIENES**
POSTNOV V.N, KLIMOVA E.I, GARCIA M.M, MELESHONKOVA N.N, RYBAKOV V.V, ASLANOV L.A
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- 1994 THE BEHAVIOR OF 2-METHYLENE-3-FERROCENYLMETHYLENECAMPHANE UNDER CONDITIONS LEADING TO THE CYCLODIMERIZATION OF FERROCENYL-1,3-BUTADIENES**
POSTNOV V.N, KLIMOVA E.I, GARCIA M.M, MELESHONKOVA N.N, RYBAKOV V.V, ASLANOV L.A
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- 1994 THE USE OF CONTINUOUS ATOMIC DISTRIBUTIONS IN STRUCTURAL INVESTIGATIONS**
CHERNYSHEV V.V, ZHUKOV S.G, YATSENKO A.V, ASLANOV L.A, SCHENK H.
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- 1993 SURFACE-ENHANCED RAMAN-SCATTERING OF 2,2'-BIPYRIDINE ADSORBED ON COLLOIDAL SILVER AND STABILIZED AGBR SOLS**
Kamyshny A.L., Zakharov V.N., Fedorov Y.V., Galashin A.E., Aslanov L.A.
Journal of Colloid and Interface Science, Academic Press (United States), v. 158, № 1, p. 171-182 DOI
- 1993 TEMPERATURE DEPENDENCES OF THE PARAMETERS OF ATOMS IN THE CRYSTAL-STRUCTURE OF THE INTERMEDIATE-VALENCE SEMICONDUCTOR SMB6 - INVESTIGATION BY HIGH-RESOLUTION POWDER NEUTRON-DIFFRACTION**

TROUNOV V.A, MALYSHEV A.L, CHERNYSHOV D.Y, KORSUKOVA M.M, GURIN V.N, ASLANOV L.A, CHERNYSHEV V.V
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SIZOVA T.V, YASHINA N.S, PETROSYAN V.S, YATSENKO A.V, CHERNYSHEV V.V, ASLANOV L.A
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1992 A CRYSTAL-CHEMICAL MODEL OF ATOMIC INTERACTIONS .6. INTERMETALLIC PHASE STRUCTURES
ASLANOV L.A, MARKOV V.T
ACTA CRYSTALLOGRAPHICA SECTION A, v. 48, p. 281-293 DOI

1992 ODMR SPECTROSCOPY OF COORDINATION-COMPOUNDS
KAMYSHNY A.L, SUISALU A.P, ASLANOV L.A
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ZHUKOV S.G, FETISOV G.V, ASLANOV L.A
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ASLANOV L.A
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1991 ISOTOPIC ENGINEERING OF ZERO-MATRIX SAMARIUM HEXABORIDE - RESULTS OF HIGH-RESOLUTION POWDER NEUTRON-DIFFRACTION AND X-RAY SINGLE-CRYSTAL DIFFRACTOMETRY STUDIES
TRUNOV V.A, MALYSHEV A.L, CHERNYSHOV D.Y, KURBAKOV A.I, KORSUKOVA M.M, GURIN V.N, ASLANOV L.A, CHERNYSHEV V.V
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1991 MODELING OF BRAGG INTENSITY PROFILES .2. ALLOWANCE FOR THERMAL DIFFUSE-SCATTERING
LAKTIONOV A.V, FETISOV G.V, ASLANOV L.A, CHULICHKOV A.I, CHULICHKOVA N.M
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1991 PROFILE ANALYSIS APPLICATION IN THE MODELING OF MULTIWAVE DIFFRACTION
NESTERENKO A.P, ZHUKOV S.G, FETISOV G.V, ASLANOV L.A
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KOKUNOV Y.V, RAKOV I.E, BUSLAEV Y.A, YATSENKO A.V, ASLANOV L.A
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1991 THE INFLUENCE OF LASER-RADIATION ON X-RAY-DIFFRACTION IN FERROELECTRIC-CRYSTALS WITH NONLINEAR OPTICAL-PROPERTIES
ZHUKOV S.G, FETISOV G.V, ASLANOV L.A

1990 Synthesis and Crystal Structure of (-)-1-Methoxygermanthrane
Zaitseva G.S., Nasim M., Livantsova L.I., Tafeenko V.A., Petrosyan V.S.,
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ASLANOV L.A., MARKOV V.T

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PROGNOSTIC ABILITY - CRYSTALS AND QUASICRYSTALS

ASLANOV L.A.

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BUSLAEV YA, KRAVCHENKO EA, BURTZEV MY, ASLANOV LA

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LAKTIONOV A.V., CHULICHKOV A.I., CHULICHKOVA N.M., FETISOV G.V., PYTYEV Y.P., ASLANOV L.A.

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RYBAKOV V.B., TURSINA A.I., ASLANOV L.A., YEREMIN S.A., SCHRAUBER H., KUTSCHABSKY L.
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Ischenko A.A., **Fetisov G.V.**, Aslanov L.A.
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2005 Ionic Liquids among Solvents
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