

CURRICULUM VITAE VIKTOR V. ZHDANKIN

PERSONAL DATA

BORN: June 6, 1956, Ekaterinburg, Russia
CITIZENSHIP: Naturalized US citizen since 1999
MARRIED: 1980, Olga Y. Zhdankin
CHILDREN: Vasili (b. 1981), Vladimir (b. 1989)
ADDRESS: 3420 E. 4th St., Duluth, MN 55804
OFFICE: Department of Chemistry and Biochemistry, University of Minnesota Duluth, Duluth, MN 55812
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EDUCATION

Doctor of Chemical Sciences: 1987, Department of Chemistry, Moscow State University, Moscow, Russia
Ph.D. (Russian analog): 1981, Department of Chemistry, Moscow State University, Moscow, Russia;
Advisor: Professor Nikolai S. Zefirov
BS/MS (Russian analog): 1978, Department of Chemistry, Moscow State University, Moscow, Russia

ACADEMIC EXPERIENCE

Professor, Department of Chemistry, University of Minnesota Duluth, July 1999 - present.
Director of Graduate Studies in Chemistry (Chem-Duluth program), University of Minnesota, July 2002 – May 2006 and September 2008 – present.
Associate Department Head, Department of Chemistry, University of Minnesota Duluth, May 2006 – September 2008.
Associate Professor, Department of Chemistry, University of Minnesota Duluth, July 1996 - June 1999.
Assistant Professor, Department of Chemistry, University of Minnesota Duluth, September 1993 - June 1996.
Senior Research Associate, Department of Chemistry, University of Utah (with Professor Peter J. Stang), January 1990 - August 1993.
Instructor of Organic Chemistry, Department of Chemistry, University of Utah, January 1991 - August 1993.
Leading Research Fellow - Head of Research Group, Department of Chemistry, Moscow State University, Moscow, Russia, October 1989 - January 1990.
Senior Research Fellow, Department of Chemistry, Moscow State University, Moscow, Russia, October 1988 - October 1989.
Visiting Postdoctoral Scientist (IREX Scholar), Department of Chemistry, University of Minnesota Duluth, December 1987 - September 1988.
Research Fellow, Department of Chemistry, Moscow State University, Moscow, Russia, January 1982 - December 1987.

RESEARCH INTERESTS

Exploratory Synthetic Organic Chemistry of Hypervalent Main-Group Elements: preparation, structural investigation and synthetic application of new organic derivatives of polyvalent iodine, xenon, phosphorus and other elements.
Chemistry of Organoboron Acids: preparation, structural investigation and synthetic utilization of 1-hydroxybenzoboroxoles and alkynylboronates.
Synthetic Organic Chemistry of Fluorine: preparation of perfluoroalkylated compounds; organic reactions of powerful fluorinating reagents (XeF₂, CsOSO₂OF, etc.); synthetic application of fluoroorganic compounds.
Mechanistic Physical-Organic Chemistry: generation and chemistry of carbocations and other reactive intermediates; nucleophilic reactivity; electrophilic addition to unsaturated compounds.

ACADEMIC HONORS AND AWARDS

Sabra S. and Dennis L. Anderson Scholar/Teacher Award, awarded by UMD SCSE in 2009
University of Minnesota Jean G. Blehart Distinguished Teaching Award, 2006
University of Minnesota Duluth Chancellor's Award for Distinguished Research, 2004
Camille and Henry Dreyfus Scholar, 1998-2000
Summer 1995 Undergraduate Research Award, Council on Undergraduate Research
Honorable Diploma from the Russian Academy of Sciences, 1985
Diploma from the Government of the USSR for a Scientific Discovery, 1985

SIGNIFICANT PROFESSIONAL SERVICE AND ACTIVITIES

Member of Editorial Board; *Mendeleev Communications* (international chemistry journal published jointly by Elsevier and the Russian Academy of Sciences), March 1998 - present.
Scientific Editor and a Member of Control Board of *ARKIVOC*, Online Journal of Organic Chemistry (<http://www.arkat-usa.org/>), April 2003 - present.
Member of National Science Foundation Panel, Synthesis-1 (P100158) – 2009.
Member of National Science Foundation Panel, Organic Synthesis Panel O (P080844) – 2008.
Member of Editorial Board; *Journal of the Mendeleev's Russian Chemical Society*, March 1989 - January 1996.
Member of Editorial Board; *Russian Journal of Organic Chemistry*, January 1989 - January 1993.
Member of Panel-2 (Organic Chemistry) of International Science Foundation on Long-Term Research Grants (Washington, DC), December 1993 - January 1995.
Member of Organizing Committee and a Chair: 1st International Conference on Hypervalent Iodine, Thessaloniki/Halkidiki, Greece, September 2001; 2nd International Conference on Hypervalent Iodine, Thessaloniki, Greece, 2006; International Symposium "Advances in Science for Drug Discovery", Moscow, 2005.
Chair: session "Aromatics and Heterocycles", 213th ACS National Meeting, San Francisco, CA, April 1997; session "Aromatics, Heterocycles, Alkaloids, and Porphyrins", 214th ACS National Meeting, Las Vegas, NV, September 1997; session "New Reaction Methodology", 215th ACS National Meeting, Dallas, TX, March 1998; session "Asymmetric Reactions and Syntheses", 217th ACS National Meeting, Anaheim, CA, March 1999; symposium "Asymmetric Synthesis for the 21st Century", 32nd Great Lakes ACS Regional Meeting, Fargo, ND, June 2000; 6th, 7th, 8th and 9th Annual Florida Heterocyclic Conferences, 2005-2008.

PROFESSIONAL SOCIETIES

American Chemical Society; Sigma Xi; Council on Undergraduate Research; Society of Iodine Science (Japan)

INVITED SEMINARS AND MAJOR LECTURES

2009 ACS Award Symposium for Creative Research and Applications of Iodine Chemistry, Salt Lake City
2007 University of Missouri, Saint Louis
Washington University in Saint Louis
Northern Illinois University, DeKalb
ACS Award Symposium for Creative Research and Applications of Iodine Chemistry, Chicago
Zelinski Institute of Organic Chemistry, Moscow, Russia
University of Hanover, Germany
University of Duisburg-Essen, Germany
10th Symposium on Iodine Science, Chiba, Japan
University of Wisconsin-Eau Claire

- 2006 2nd International Conference on Hypervalent Iodine, Thessaloniki, Greece
7th Annual Florida Heterocyclic Conference, Gainesville, Florida
- 2005 International symposium “Advances in Science for Drug Discovery”, Moscow, Russia
Ghent University, Ghent, Belgium
East Carolina University
- 2004 5th Annual Florida Heterocyclic Conference, Gainesville, Florida
Winona State University, Winona, Minnesota
Los Alamos National Laboratory
Cardiff Symposium on Hypervalent Iodine Chemistry, Cardiff, UK
Moscow State University, Moscow, Russia
International Conference “Chemistry Biology Interface: Synergistic New Frontiers” New Delhi, India
- 2002 Baku State University, Baku, Azerbaijan
- 2001 1st International Conference on Hypervalent Iodine, Thessaloniki/Halkidiki, Greece
4th Symposium on Iodine Utilization, Chiba, Japan
Kyushu University, Fukuoka, Japan
University of Tokushima, Tokushima, Japan
Southwest State University, Marshall, Minnesota
Moscow State University, Moscow, Russia
- 2000 University of Alberta, Edmonton
University of Missouri, Saint Louis
University of Akron
University of Wisconsin, Superior
University of the Pacific
Marquette University
University of Minnesota, Minneapolis
- 1999 2nd Symposium on Iodine Utilization, Chiba, Japan
- 1998 Mendeleev Congress, St. Petersburg, Russia
Baku State University, Baku, Azerbaijan
- 1997 DuPont, Central Research & Development, Wilmington, DE
- 1996 Rutgers University, New Jersey
Michigan Technological University, Houghton
- 1995 North Dakota State University, Fargo
University of North Dakota, Grand Forks
- 1994 University of Minnesota, Minneapolis
- 1992 Wayne State University, Detroit
State University of New York at Buffalo
- 1991 Utah State University, Logan
- 1990 University of Minnesota Duluth
- 1989 Symposium on Undergraduate Education, Tbilisi, U.S.S.R.
Moscow Institute of Chemistry and Technology, Moscow, U.S.S.R.
Institute of Nuclear Research, Obninsk, U.S.S.R.
- 1988 University of Utah, Salt Lake City; St. Catherine College, St. Paul; University of Minnesota Duluth;
Northern Arizona University, Flagstaff; University of Illinois, Chicago;
University of North Carolina, Chapel Hill; College of St. Scholastica, Duluth

MAJOR EXTERNAL GRANTS

1. *Cottrell College Science Award of Research Corporation*, “New Reagents and Synthetic Procedures Based on the Organic Chemistry of Polyvalent Iodine”, \$27,000; 12.15.93 to 12.15.96. (Principal Investigator)

2. *The Petroleum Research Fund*, administered by the American Chemical Society, "The Preparation and Study of Organic Derivatives of Xenon", \$25,000; 01.01.94 to 08.31.96. (Principal Investigator)
3. *University of Minnesota Graduate School Grant-in-Aid*, "Perfluoroalkyl Iodonium Compounds: New, Promising Reagents For Organic Chemistry", \$20,720; 07.01.94 to 12.15.95. (Principal Investigator)
4. *National Science Foundation*, "New Polyvalent Iodine Reagents", \$150,000; 05/31/95 to 05/31/98. (Principal Investigator)
5. *National Science Foundation*, Chemical Instrumentation Grant; "Purchase of NMR Spectrometer", \$133,245; 09/1/96 to 09/1/97 (Co-Principal Investigator). [Matching funds from UM \$135,000].
6. *National Science Foundation*, Academic Research Infrastructure Program; "Renovation and Modernization of Research Space in Chemistry Building", \$1,134,423; 01/1/97 to 01/1/98 (Co-Principal Investigator). [Matching funds from UM \$670,000].
7. *The Camille and Henry Dreyfus Scholar/Fellow Program for Undergraduate Institutions*; "Development of New Polyvalent Iodine Reagents for Organic Synthesis", \$60,000; 09/1/98 to 8/31/2000. (Principal Investigator).
8. *National Science Foundation*, (NSF/CHE 9802823) "New Polyvalent Iodine Reagents", \$180,000; 05/31/98 to 05/31/2001. (Principal Investigator).
9. *Chromaline Corporation*, "Chemical Samples", \$7,000; 06/15/98 to 09/14/2000. (Principal Investigator).
10. *Northshore Mining Company*, "Pelletizing Binder Analysis", \$5,000; 3/1/2001 to 2/28/2002. (Co-Principal Investigator).
11. *Civilian Research and Development Foundation*, "Derivatives of Polyvalent Iodine as Novel Reagents and Physiologically Active Compounds", \$35,000; 10/01/2000 to 03/31/2002. (Co-Principal Investigator).
12. *National Science Foundation*, (NSF/CHE 0101021) "RUI: Organic Chemistry of Hypervalent Compounds", \$240,000; 04/15/01 to 03/31/2004. (Principal Investigator).
13. *National Institutes of Health*, (R15 GM065148-01) "New Oxidizing Reagents for Organic Synthesis" \$130,556; 04/1/2002 to 03/31/2005. (Principal Investigator).
14. *National Science Foundation* (CHE-0353541), "Organic Chemistry of Hypervalent Compounds", \$300,000; 03/01/04 to 03/01/07. (Principal Investigator).
15. *National Science Foundation*, Major Research Instrumentation (CHE-0416157) "Acquisition of High Field NMR Spectrometer", \$508,692; 06/1/04 to 06/1/07 (Principal Investigator).
16. *National Science Foundation* (CHE-0702734), "Chemistry of Hypervalent Organoiodine Compounds", \$375,000; 09/01/07 to 09/01/10. (Principal Investigator).

TEACHING EXPERIENCE

Moscow State University (Russia)

- *Chemistry of Heterocyclic Compounds* (a two semester course for seniors majoring in organic chemistry), 1986-1987
- *Organic Synthesis* (a two semester course for seniors majoring in organic chemistry), 1988-1989

Department of Chemistry, University of Minnesota Duluth

- *General Organic Chemistry* (accelerated summer course at sophomore level), 1988

Department of Chemistry, University of Utah

- Chemistry 331, 332, 333 (*General Organic Chemistry*, full year course in three quarters), 1991-1993
Note: Official results of student evaluations are available for Chem 331 – 333. Overall rating of V. Zhdankin's teaching performance was 4.39 (5.0 maximum; average rating of all lecturers in chemistry at U. of Utah was 3.66)

Department of Chemistry, University of Minnesota Duluth

- Chem. 2521, 2522 (*General Organic Chemistry*, two semesters), 1999-2008
- Chem. 5524 (*Advanced Organic Chemistry I*, graduate level course), 2005-2008
- Chem. 5714 (*Applications of Spectroscopy*, graduate level course), 1999-2006
- Chem. 3540, 3541, 3542 (*Organic Chemistry for chemistry majors*, full year course in three quarters), 1993-1995

- Chem. 3512, 3513 (*General Organic Chemistry for non-majors in chemistry*, two quarters), 1995-1999
- Chem. 3514 (*Intermediate Organic Chemistry for chemistry majors*), 1999
- Chem. 8540 (*Organic Reaction Mechanisms*, advanced graduate level course), 1995-2000
- Chem. 5750 (*Kinetics and Mechanisms*, senior undergraduate/graduate level course), 1995-1996
- Chem. 5710 (*Structural Chemistry*, senior undergraduate/graduate level course), 1995-1998
- Chem. 3181 (*Undergraduate Chemistry Seminar*, a four quarter seminar class), 1996-1999
- Chem. 8180 (*Graduate Seminar*, a three quarter seminar class), 1996-1999
- Chem. 3192 (*Undergraduate Chemistry Research*), 1993-2008
- Chem. 8777 (*Graduate Chemistry Research*), 1993-2008

Note: Official results of student evaluations are available for all classes taught at UMD. Overall rating of V. Zhdankin's effectiveness as an instructor in large chemistry classes is in the range of 5.5 to 5.1 (6.0 is maximum). Independent rating is also available at the national website <http://www.ratemyprofessors.com/>.

GRADUATE STUDENT EDUCATION

Ph.D. Thesis Advisor at Moscow State University (Russia) during 1982-1989:

Yury V. Dankov, Sergei O. Safronov, Igor V. Trushkov, Irina G. Plokhikh

Ph.D. Thesis Co-Advisor at University of Utah during 1990-1993:

Rik Tykwinski, Charles M. Crittall, Bobby L. Williamson

Thesis Advisor at University of Minnesota Duluth:

Chris J. Kuehl (M.S., Chemistry), 1995; Thesis title: "New Perfluoroalkyliodonium Reagents"

Alexei P. Krasutsky (M.S., Chemistry), 1996; Thesis title: "Synthesis and Reactions of New Benziodoxoles"

Ruslan M. Arbit (M.S., Chemistry), 1997; Thesis title: "Preparation and Chemistry of New Benziodazoles"

Scott A. Erickson (M.S., Chemistry), 1997; Thesis title: "Development of New Polyvalent Iodine Reagents"

Liu Zaigang (M.S., Chemistry), 1997; Thesis title: "Synthesis and Reactions of New Fluoroalkyl Iodonium Salts"

Jeffrey A. Callies (M.S., Chemistry), 1998; Thesis title: "New Alkyliodonium Derivatives Stabilized by Electron-Withdrawing Groups"

Lu Zhang (M.S., Chemistry), 1998; Thesis title: "Synthesis of Benzoboroxoles"

Peng Zhao (M.S., Chemistry), 1999; Thesis title: "Synthesis of Chiral Benziodazoles"

Rong Cui (M.S., Chemistry), 1999; Thesis title: "Preparation and Study of New Alkynylborates"

Jason A. Agnich (M.S., Chemistry), 1999, Discontinued; Thesis title: "Synthesis of New Benziodazoles"

Kari J. Hanson (M.S., Chemistry), 2000; Thesis title: "Preparation and Study of New Organic Derivatives of Polyvalent Iodine"

Yan Jin (M.S., Chemistry), 2000; Thesis title: "Chemistry of Alkynylboronic Esters"

Jason T. Smart (M.S., Chemistry), 2001; Thesis title: "Synthesis of New Hypervalent Iodine Heterocycles"

Jessica Bruno (M.S., Chemistry), 2001; Thesis title: "New Phosphonium-Iodonium Ylides"

Alexey Y. Koposov (M.S., Chemistry), 2002; Thesis title: "Chemistry of Benziodazoles: Synthesis and Structure of Novel Hypervalent Iodine Macrocycles"

Olena Maydanovych (M.S., Chemistry), 2002; Thesis title: "Preparation, Structure, and Chemistry of Phosphoranyl Derived Iodanes"

Liansheng Su (M.S., Chemistry), 2003; Thesis title: "Synthesis and Structure of Amino Acid-Derived Benziodazoles and Iodonium Salts"

Vyacheslav V. Boyarskikh, (M.S., Chemistry) 2004; Thesis title: "Amino Acid-Derived Iodobenzene Dicarboxylates: Preparation and Reactions"

Dmitry N. Litvinov (M.S., Chemistry), (M.S., Chemistry) 2004; Thesis title: "Synthesis and Structure of IBX Esters: New Periodinane Oxidizing Reagents"

Rostyslav Goncharenko (M.S., Chemistry), 2005, Thesis title: "Preparation, Structure and Chemistry of Amides and Esters of 2-Iodoxybenzenesulfonic Acid"

Brian Netzel (M.S., Chemistry), 2005, Thesis title: "Benziodazoles and Iodobenzene Sulfates: New Derivatives of Hypervalent Iodine Reagents"

Alexey Y. Koposov (Ph.D., Chemistry), 2005, Thesis title: "Preparation, Structure and Chemistry of New Hypervalent Iodine Based Reagents"

Uladzimir Ladziata (M.S., Chemistry), 2006, Thesis title: "Synthesis, Structure and Chemoselective Reactivity of N-(2-Iodol-Phenyl)-Acylamides, New Hypervalent Iodine Reagents Bearing a Pseudo Benziodoxazine Scaffold"
Rashad Karimov (M.S., Chemistry), 2007, Thesis title: "Development of New Iodine(V) Reagents and Synthetic Metodologies"
Ravikrishna Vallakati (M.S., Chemistry), 2007, Thesis title: "Synthesis and Applications of New Chiral Hypervalent iodine (V) Oxidizing Reagents"
Zeinul Kazhkenov (M.S., Chemistry), 2008, Thesis title: "Development of New Cyclic and Pseudocyclic Iodine(V) Reagents"
Ivan Geraskin (M.S., Chemistry), Current
Hughes Ackom (M.S., Chemistry), Current
Aleksandra Zagulyaeva (M.S., Chemistry), Current

Member, Thesis Examining Committee:

Jianchun Gong (M.S., Chemistry) 1994; Mark A. Lovdahl (M.S., Chemistry) 1997; Yuhua Huang (M.S., Chemistry) 1997; William Roberts (M.S., Chemistry) 1998; Brett Steurer (M.S., Chemistry) 1998; Oleksandr Buzko (M.S., Chemistry) 1998; Bill Roberts (M.S., Chemistry) 1998; Haifeng Wu (M.S., Chemistry) 1999; Rahima Benhabbour (M.S., Chemistry) 2001; Sara Moen (M.S., Chemistry) 2001; Sergiy Krasutsky (M.S., Chemistry) 2002; Bo Yang (M.S., Chemistry) discontinued; Nadiya Sydorenko (M.S., Chemistry) 2002; Yini Wang (M.S., Chemistry) 2003; Suad Nadi (M.S., Chemistry) 2003; Carl Sandness (M.S., Chemistry) 2003; Michael Bulinski (M.S., Chemistry) 2003; Robin Beck (M.S., Chemistry) 2004; Nan Shao (M.S., Chemistry) 2006; Ben Lien (M.S., Chemistry) 2006.

Visiting Ph.D. Students:

Maria Arrica (Cardiff University, Spring 2004)
Michael Nechaev (Moscow State University, Fall 2002)
Akira Yoshimura (University of Tokushima, Summer 2009)

UNDERGRADUATE RESEARCH ASSISTANTS

Andreas Schwarz (1992-1993), Thorsten Blume (1992-1993), Michael Scheuller (1993), Jason Bolz (1994-1995), Mark Formanek (Summer 1994), Angela Simonsen (1994-1996), Brian Mismash (1995-1997), Mark McSherry (1995-1998), Kevin Hace (1995-1997), Jessica Woodward (1995-1997), Kari Hanson (1996-1998), Jessica Bruno (1997-1999), Karissa Jannett (1997-1999), Craig Berry (1997-1999), Shannon Fix (1998-1999), Jason Smart (1998-1999), Jeremy Beer (1998-1999), Amy Miller (1998-1999), Travis Ohly (1998-2000), Erin Blomquist (1999-2001), Alexey Kuposov (Summer 2000), Robin Beck (2000-2001), Jon Herschbach (2000-2002), Vyacheslav Boyarskikh (Summer 2001), Nikolai Yashin (Summer 2001); Brian Netzel (2001-2003); Dan Delf (2004); Joyce Sayers (American Indian, MARC program, 2004); Rashad Karimov (Summer 2004); Ka Lo (2004-2005); Jeff Willging (2004-2006); Konstantin Motovilov (Summer 2005); Ivan Geraskin (Summer 2005); Jeff Carlson (2005-2006); Matthew Modjewski (2006-2007); Tatiana Skrupskaya (Summer 2006); Andrey Pronin (Summer 2006); Eric Peterson (2006-2007); Matt Luedtke (2007-2009); Artur Mailyan (Summer 2008); Olga Pavlova (Summer 2008); Ben Mattila (2008-present); Chris Banek (2008-present).

POSTDOCTORAL RESEARCH ASSOCIATES and VISITING PROFESSORS

Dr. Phillip J. Persichini III, Camille & Henry Dreyfus Fellow (1998-2000)
Professor Mekhman S. Yusubov (2006, 2009), The Siberian State Medical University, Tomsk, Russia

SERVICE AT UNIVERSITY OF MINNESOTA DULUTH

Associate Department Head, 2006-2008; Member: University of Minnesota System Research Safety Committee (2007-2010); Member: University of Minnesota Distinguished McKnight Professor Selection Committee (2007-2010); Director of Graduate Studies (Chemistry-Duluth program), 2002-2006, 2008-present; Chair, Departmental Safety Committee, 1995-2003 and 2005-2006; Chair, Summer Undergraduate Research Program, 1995; Chair, External Seminar Program, 1996-1999; Member: Graduate Studies Committee (1996-2008), Physical Resources Committee (1993-2000), Summer Undergraduate Research Program (1994, 1996), CS&E Academic Standards Committee (1994-1997), CS&E UROP Evaluations Committee (1997-1998), New Faculty Search Committees: Chair, Temporary Organic Faculty, 2004; Member, Organic Chemistry, 2006-2007; Inorganic Chemistry, 1996, 2003; Analytical Chemistry, 1997; Biochemistry, 1997, 1998, 2002; School of Medicine, 1997; NRRI, 2003-2004).

CONSULTING

DuPont, Central Research & Development, Wilmington, DE
OmegaChem, Quebec, CA (member of scientific advisory board)
Chromaline Corporation, Duluth, MN
Northshore Mining Company, Silver Bay, MN
LiphaTech, Inc, Milwaukee, WI

REVIEWER/REFEREE

- *J. Amer. Chem. Soc.; J. Org. Chem.; Inorg. Chem.; Tetrahedron; Tetrahedron Letters; Org. Prep. and Proc. International; J. Chem. Soc., Perkin Transactions 1; J. Chem. Soc., Perkin Transactions 2; Chemical Communications; Mendeleev Communications; Chemical Reviews; Russian Chemical Reviews; Synthesis; Synlett; Organic Letters; ARKIVOC; Molecules; Angewandte Chemie; Current Organic Chemistry; Organic & Biomolecular Chemistry; Sulfur Chemistry; Journal of Fluorine Chemistry*
- *National Science Foundation; International Science Foundation; Civilian Research and Development Foundation; Petroleum Research Fund; Research Corporation; proposals for Jeffres Research Grants from Jeffres Memorial Trust.*

ABSTRACTS OF MAJOR PRESENTATIONS

1. Doping-addition of Arylsulfonylchlorides to the Derivatives of Tricyclo[4.2.2.0^{2,5}]decane. Zefirov, N.S.; Koz'min, A.S.; Kirin, V.N.; Zhdankin, V.V. *Abstracts of IX International Symposium on Chemistry of Organosulfur Compounds*, Riga, **1980**, 41.
2. Synthesis, Molecular Structure and Biological Activity of Cage Covalent Perchlorates. Zhdankin, V.V.; Potekhin, K.A. *Abstract of VIII Conference on Synthetic and Natural Physiologically Active Compounds*, Erevan, **1984**, 77.
3. Organic Perchlorates: New Approaches to the Synthesis and Biological Activity. Kirin, V.N.; Averina, N.V.; Zhdankin, V.V.; Koz'min, A.S.; Zefirov, N.S. *Abstracts of the National Conference "Advances of Chemistry to Industry"*, Vilnyus, **1984**, 8.
4. Skeletal Rearrangements in the Reactions of Norbornene and Norbornadiene with the Organic Derivatives of Polyvalent Iodine Containing Sulfonate Anions as the Ligands. Zhdankin, V.V.; Dan'kov, Yu.V.; Sorokin, V.D.; Semerikov, V.N.; Zefirov, N.S. *Abstracts of the All-Union Conference "Molecular Rearrangements"*, Erevan, **1985**, 62-63.
5. Vicinal Dipperchlorates and Ditriflates: the Preparation on Properties. Zhdankin, V.V.; Dan'kov, Yu.V.; Koz'min, A.S.; Zefirov, N.S. *Abstracts of the IVth Moscow Conference of the Mendeleev's All-Union Chemical Society on Organic Chemistry and Technology*, Moscow, **1985**, 153.
6. Synthesis of Organic Perchlorates and Sulfonates by Electrophilic Addition of Hypervalent Iodine Compounds to Olefins. Koz'min, A.S.; Zhdankin, V.V.; Dan'kov, Yu.V.; Sorokin, V.D.; Semerikov, V.N.; Zefirov, N.S. *Abstracts of VI International Conference on Organic Synthesis*, Moscow, **1986**, 60.
7. Nucleofugic Anions as Nucleophilic Addends in Ad_E-reactions of Olefins. Zhdankin, V.V.; Koz'min, A.S.; Zefirov, N.S. *Abstracts of the All-Union Conference "Chemistry of Unsaturated Compounds"*, Kazan, **1986**, 2, 52.
8. Functionalization of Olefins by Electrophilic Compounds of Trivalent Iodine. Zhdankin, V.V.; Koz'min, A.S.; Dan'kov, Yu.V.; Sorokin, V.D.; Semerikov, V.N.; Zefirov, N.S. *Abstracts of the All-Union Conference "Chemistry of Unsaturated Compounds"*, Kazan, **1986**, 1, 30.
9. Synthesis, Structural Investigation and Physiological Activity of Covalent Organic Sulfonates. Zhdankin, V.V.; Sorokin, V.D.; Potekhin, K.A. *Abstract of IX Conference on Synthetic and Natural Physiologically Active Compounds*, Erevan, **1986**, 76.
10. Synthesis of Biologically Active Covalent Perchlorates on the Basis of the Discovery of Nucleophilic Properties for the Nucleofugic Anions. Zhdankin, V.V.; Sorokin, V.D.; Potekhin, K.A. *Abstract of IX Conference on the Synthesis and Investigation of Biologically Active Compounds*, Riga, **1987**, 33.
11. Sulfur-containing Leaving Groups: Introduction into Organic Molecules and Nucleofugal Properties. Zefirov, N.S.; Zhdankin, V.V.; Zyk, N.V.; Kutateladze, A.G.; Koz'min, A.S.; Zhdankin, V.V. *Abstracts of the All-Union Conference "Chemistry and Practical Application of Organosulfur Compounds"*, Kazan, **1987**, 5.
12. 1,4-Dipolar Reagents: Generation from Sulfur Trioxide and 1,2-Dipoles -I⁺-X⁻ and Reactions with Olefins. Koz'min, A.S.; Zhdankin, V.V.; Semerikov, V.N.; Galin, A.M.; Zefirov, N.S. *Abstracts of the All-Union Conference "Chemistry and Practical Application of Organosulfur Compounds"*, Kazan, **1987**, 34.
13. Unusual Skeletal Rearrangements in the Reactions of Iodine(III) Derivatives with Caged Olefins. Zefirov, N.S.; Koz'min, A.S.; Zhdankin, V.V.; Glinskiy, A.I. *Abstracts of the All-Union Conference "Advances in Chemistry of Caged Compounds and their Practical Application"*, Kuibyshev, **1989**, 40.
14. Interaction of the Complex *N*-Tosyliminophenyliodinane-Sulfur Trioxide with Polycyclic Olefins. Zhdankin, V.V.; Semerikov, V.N.; Koz'min, A.S. *Abstracts of XVIII All-Union Conference "Synthesis and Chemistry of Organosulfur Compounds"*, Tbilisi, **1989**, 228.

15. Synthesis and Structure of Organic Covalent Perchlorates. Koz'min, A.S.; Zhdankin, V.V.; Zefirov, N.S.; Yufit, D.S.; Potekhin, K.A. *Abstracts of the All-Union Conference "Diffractional Methods in Chemistry"*, Suzdal, **1988**, 46.
16. Regio-, Chemo- and Stereoselectivity in the Reactions of Cyclic Dienes and Trienes with Electrophiles. Zyk, N.V.; Kutateladze, A.G.; Koz'min, A.S.; Zhdankin, V.V.; Magerramov, A.M.; Zefirov, N.S. *Abstracts of XIV Mendeleev's Congress on General and Applied Chemistry*, Moscow, **1989**, N 1, 17.
17. Silyl Enol Ethers as the Reagents for the preparation 1,4-diketones. Zhdankin, V.V.; Koz'min, A.S. *Abstracts of the III All-Union Conference on Chemical Reagents*, Ashhabad, **1989**, 2, 120.
18. Polyvalent Iodine Derivatives as Reagents in Organic Synthesis. Zhdankin, V.V.; Koz'min, A.S. *Abstracts of the III All-Union Conference on Chemical Reagents*, Ashhabad, **1989**, 2, 121.
19. Reactions of Fluoroxenonium Triflate, Fluorosulfate and Nitrate with Alkenes. Zhdankin, V.V.; Stang, P.J. *Abstracts of Joint 45 Northwest/10th Rocky Mountain Regional ACS Meeting*, Salt Lake City, **1990**, 83.
20. A General Approach to New Types of Alkynyl(phenyl)iodonium Salts via an Iodonium Transfer Process. Williamson, B.L.; Tykwinski, R.R.; Zhdankin, V.V.; Stang, P.J. *Abstracts of 32nd National Organic Chemistry Symposium*, Minneapolis-St.Paul, **1991**, 288.
21. [Hydroxy(sulfonyloxy)iido]perfluoroalkanes - New, Stable, Hypervalent Iodine Species and Promising Reagents for Organic Synthesis. Zhdankin, V.V.; Kuehl, C. *Abstracts of 207th American Chemical Society National Meeting*, San Diego, CA, **1994**, ORGN 0061.
22. New Fluoroalkyl Iodonium Reagents. Kuehl, C.J.; Simonsen, A.J.; Zhdankin, V.V. *Abstracts of the Eleventh Annual Sigma Xi Scientific Research Society Poster Exhibition*, UMD, Duluth, MN, February 13-17, **1995**.
23. New Perfluoroalkyl Iodonium Reagents. Kuehl, C.J.; Zhdankin, V.V. *Abstracts of 209th American Chemical Society National Meeting*, Anaheim, CA, **1995**, ORGN 0100.
24. Adducts of 2-Iodosobenzoic Acid with Sulfonic Acids: New Electrophilic, Hypervalent Iodine Reagents. Bolz, J.T.; Zhdankin, V.V. *Abstracts of 209th American Chemical Society National Meeting*, Anaheim, CA, **1995**, ORGN 0101.
25. Preparation and Chemistry of Stable Azidoiodinanes. Krasutsky, A.P.; Kuehl, C.J.; Bolz, J.T.; Zhdankin, V.V. *Abstracts of 209th American Chemical Society National Meeting*, Anaheim, CA, **1995**, ORGN 0102.
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