Dr. Stanislav A. Grabovskii

(also Stanislav A. Grabovskiy)
Ph.D in Chemistry, MBA, Associate Professor

Personal Information:

Date and Place of Birth: 16 May 1975, Moscow, USSR
Nationality: Russian
WeChat: wxid_c4p7aqi38qxh22
Phone: +7 917 3499696
E-mail: zakhadum.5@gmail.com, stas_g@anrb.ru
Web: http://stas.chem.anrb.ru/
Scopus Author ID: 8257698500

Objective: To advance next-generation biomedical technologies, drugs, and therapeutic strategies through interdisciplinary research, fostering innovations in healthcare, personalized medicine, and longevity science.

Professional Summary

Experienced Physical Organic Chemist (27+ years) with expertise in lipidomics, antioxidants, reaction kinetics, and tissue regeneration. Successfully led international research projects, supervised PhD students, and published 70+ peer-reviewed papers. Developed novel synthetic methods, including the selective synthesis of mono-*trans*-polyunsaturated fatty acids, sulfoxides, and heterocycles. Established the mechanism of C-H bond oxidation by dioxiranes and proposed a method for evaluating their reactivity. Advanced research on the reactivity of 5-amino- and 5-hydroxyuracil derivatives with peroxyl radicals, contributing to antioxidant chemistry and potential medicinal applications. Patented a bioactive compound combination for accelerating nerve and tissue regeneration. Strong background in organic, analytical, and computational chemistry with expertise in kinetic modeling and spectral analysis.

Research Interests

- Low-molecular-weight compounds for regenerating skin, nerve, and bone tissues.
- Lipidomics: Investigating erythrocyte lipid profiles as biomarkers of health and a foundation for healthy longevity.
- Antioxidants and Prooxidants: The Interplay.
- Reaction Kinetics: Investigation of intermediates and reaction mechanisms.
- New Approaches in Organic Chemistry.

Current Projects

- **2025 - Present**: Project Leader, "Individual Lipid Profile: The Key to Healthy Aging and Active Longevity" (Team of 4 researchers)
- **2024 - Present**: Project Leader, Development of Draft Technical Regulation for Vinyl Monomer Production Systems (Team of 3 researchers)
- **2025 - Present**: Project Leader, "Kinetic, Spectral-Luminescent, and Theoretical Investigation of Key Intermediates in Chemical and Biochemical Oxidation Processes" (Team of 25 researchers)

Education

- **Feb 2024 – Dec 2024**: MBA in Science, the World-Class Scientific & Education Center of the Republic of Bashkortostan (Russia).
- **Nov 1997 – Dec 2000**: Ph.D. in Physical Chemistry, Institute of Organic Chemistry, Ufa Research Center, Russian Academy of Science, Ufa, Russia and I.S.O.F., Consiglio Nazionale delle Ricerche, Bologna, Italy.
  Thesis: "The Contribution of Molecular and Radical Directions in the Oxidation of Organic and Silicon Organic Compounds with Dimethyldioxirane."
- **Sep 1992 – Jun 1997**: Master of Science, Chemical Department, Bashkir State University, Ufa, Russia. Diploma with Honors

Professional Experience

- **Aug 2006 – Present**: Senior Research Fellow, Ufa Institute of Chemistry, UFRS, Russian Academy of Science, Ufa, Russia. *Leading research in oxidation chemistry, antioxidants, reaction kinetics, and tissue regeneration (skin, nerve, bone). Supervised multiple PhD students. Published 70+ papers in high-impact journals. Secured research funding and managed international collaborations.*
- **Aug 2001 – Aug 2006**: Research Fellow, Ufa Institute of Chemistry, UFRS, Russian Academy of Science, Ufa, Russia. *Participated as a principal investigator in studies on the oxidation of organic molecules using ozone and dioxiranes.*
- **Apr 2001 – May 2003**: Senior Lecturer, Chemical Department, Ufa State Oil Technical University, Ufa, Russia. *Delivered lectures on electrochemistry and conducted seminars on physical chemistry and physicochemical analysis methods.*

International Experience

- **I.S.O.F., Consiglio Nazionale delle Ricerche, Bologna, Italy**
  Visiting Scientist: Various periods between 1999 and 2007
  Research Topics: Organosilanes reactivity; mono-*trans*-Polyunsaturated fatty acid; Sugar radicals; Biomolecule oxidation.
- **Institut für Organische und Biomolekulare Chemie, Georg-August-Universität Göttingen, Germany**
  Visiting Scientist: Dec 2003 - May 2004, Research Topic: Synthesis and oxidation of highly strained polycyclic compounds by dioxiranes.

Research Skills

- **Synthetic Methods:** Organic synthesis, high-pressure synthesis, oxidation chemistry, free radical chemistry.
- **Analytical Techniques:** UV-Vis, NMR, EPR, IR, Raman, chromatography, mass spectrometry.
- **Computational Chemistry**: Ab initio, DFT, kinetic modeling.
- **Programming & Software:** Fortran, Pascal, Assembler, MS Office, Gaussian, Jandel SigmaPlot.
- **Languages:** Russian (native), English (fluent), Italian (basic), German (basic).

Professional Memberships

Member, American Chemical Society (ACS), since 2013
Member, Asian Council of Science Editors (ACSE), since 2025

Referees

- Dr. Alexei Khalizov, New Jersey Institute of Technology, USA
  E-mail: khalizov@njit.edu
- Dr. Qadir Timerghazin, Marquette University, Wisconsin, USA
  E-mail: qadir.timerghazin@marquette.edu
- Prof. Dr. Ioannis Lykakis, Aristotle University of Thessaloniki, Greece,
  E-mail: lykakis@chem.auth.gr

Publications

73 peer-reviewed publications indexed in Scopus (Author ID: 8257698500). Full list available on **Scopus** and **ORCiD** (0000-0002-7754-5389).

Selected publications:

1. **Murinov, Yu. I.; Kabal'nova, N. N.; Grabovskij, S. A.; Raginov, I. S.; Valiullin, L. R.; Egorov, V. I.** "Composition For Stimulation Of Reparative Regeneration Of Epithelial, Nerve And Bone Tissues" / **Patent RU2677327** (2018).

2. **Grabovskii, S. A.; Andriyashina, N. M.; Lobov, A. N.; Safiullin, R. L.** (2025). High-Pressure Pathway in the Two-Stage Synthesis of 5-Amino-3-Hydroxy-1-Phenyl-1*H*-Pyrazole. *Letters in Organic Chemistry*, 22(5). DOI: 10.2174/0115701786331865241120043030

3. **Golovanov, A. A.; Odin, I. S.; Gordon, K. V.; Itakhunov, R. N.; Gusev, D. M.; Sokov, S. A.; Vologzhanina, A. V.; Grabovskiy, S. A.; Sosnin, I. M.; Ukolov, A. I.; Orlova, O. I.; Lazarenko, V. A.; Dorovatovskii, P. V.; Darmoroz, D. D.; Piven, A. O.; Orlova, T.** (2023). Reactions of 5-(Trialkyl)silylpent-1-en-4-yn-3-ones with Hydrazines: Original Synthetic Routes to Luminescent Substances Containing Azole Motifs. *Synthesis*, 56(02), 243–266. DOI: 10.1055/s-0043-1763601

4. **Egorov, V.; Valiullin, L.; Raginov, I.; Grabovskiy, S. A.; Gafiyatov, R.; Artemenko, A.; Zakharenko, A.; Golokhvast, K.** (2024). Study of the biological properties of new chemical compounds of the pyrimidine series. *E3S Web of Conferences*, 486, 04004. DOI: 10.1051/e3sconf/202448604004

5. **Grabovskii, S. A.; Andrijashina, N. M.; Lobov, A. N.; Antipin, A. V.; Safiullin, R. L.** (2023). Catalyst-Free Oxidation of Sulfides to Sulfoxides by gem-Dihydroperoxide under Mild Conditions. *Synlett*, 34(11), 1247–1252. DOI: 10.1055/a-2015-7526

6. **Grabovskii, S. A.; Andriyashina, N. M.; Safiullin, R. L.** (2023). Decomposition Kinetics of 1,1-Dihydroperoxycyclohexane in Some Organic Solvents. *Letters in Organic Chemistry*, 20(3), 193–196. DOI: 10.2174/1570178619666220727114411

7. **Itakhunov, R. N.; Odin, I. S.; Gusev, D. M.; Grabovskiy, S. A.; Gordon, K. V.; Vologzhanina, A. V.; Sokov, S. A.; Sosnin, I. M.; Golovanov, A. A.** (2022). Cyclization of arylhydrazones of cross-conjugated enynones: synthesis of luminescent styryl-1*H*-pyrazoles and propenyl-1H-pyrazoles. *Organic & Biomolecular Chemistry*, 20(44), 8693–8713. DOI: 10.1039/d2ob01427k

8. **Grabovskiy, S. A.** (2022) Mechanism of the Reaction of Tris(trimethylsilyl)silane with Ozone. *Russian Journal of General Chemistry*, 92(8), 1443–1448. DOI: 10.1134/S1070363221120069

9. **Grabovskiy, S. A.; Kabal'nova, N. N.** (2021). Oxidation of Triorganosilanes and Related Compounds by Chlorine Dioxide. *Russian Journal of General Chemistry*, 91(12), 2391–2402. DOI: 10.1134/S1070363222080114

10. **Golovanov, A. A.; Odin, I.S.; Gusev, D. M.; Vologzhanina, A. V.; Sosnin, I. M.; Grabovskiy, S. A.** (2021). Reactivity of Cross-Conjugated Enynones in Cyclocondensations with Hydrazines: Synthesis of Pyrazoles and Pyrazolines. *The Journal of Organic Chemistry*, 86(10), 7229–7241. DOI: 10.1021/acs.joc.1c00569

11. **Grabovskii, S. A.; Akchurin, T. I.; Dokichev, V. A.** (2021). Heterogeneous Palladium Catalysts in the Hydrogenation of the Carbon-carbon Double Bond. *Current Organic Chemistry*, 25(2), 315–329. DOI: 10.2174/1385272824999201202084812

12. **Grabovskiy, S. A.; Kabal'nova, N. N.; Andriayshina, N.M.; Egorov, V. I.; Valiullin, L. R.; Nabatov, A. A.; Raginov, I. S.; Murinov Yu. I.** (2021) In vitro proliferative activity of 6-substituted uracil derivatives. Journal of *Pharmacy & Pharmacognosy Research*. 9(3), 357-365. DOI: 10.56499/jppres20.944_9.3.357

13. **Grabovskii, S. A.; Andriyashina, N. M.; Grabovskaya, Yu. S.; Antipin, A. V.; Kabal'nova, N. N.** (2020). Reactivity of 5-aminouracil derivatives towards peroxyl radicals. *Journal of Physical Organic Chemistry*, 33(8). DOI: 10.1002/poc.4065

14. **Grabovskiy, S.A.; Grabovskaya, Y.S.; Antipin, A.V.; Kabal'nova, N.N.** (2019). 6-Amino-5-hydroxy-2,3-dimethylpyrimidin-4(3*H*)-one as an efficient inhibitor of free radical oxidation. *Mendeleev Communications*, 29(4), 414–416. DOI: 10.1016/j.mencom.2019.07.019

15. **Mishinkin, V.Y.; Grabovskii, S.A.; Kabal'nova, N.N.; Murinov, Y.I.** (2019). Complexation of 2,3-Dimethyl-5-hydroxy-6-aminopyrimidin-4(3*H*)-one with Copper(II) Ions in Nonaqueous Solutions. *Russian Journal of General Chemistry*, 89(10), 2052–2056. DOI: 10.1134/S1070363219100104

16. **Mishinkin, V.Y.; Grabovskii, S.A.; Kabal'nova, N.N.; Murinov, Y.I.** (2019). CuCl2-Mediated Hydroxylation of 2,3-Dimethyl-5-hydroxy-6-aminopyrimidine-4(3*H*)-one with Molecular Oxygen in Aqueous and Non-Aqueous Solutions. *Russian Journal of General Chemistry*, 89(3), 405–408. DOI: 10.1134/S107036321903006X

17. **Andriyashina, N.M.; Grabovskii, S.A.; Kabal'nova, N.N.** (2019). Decomposition of Benzoyl Peroxide in the Presence of Ferrocene. *Russian Journal of General Chemistry*, 89(8), 1560–1563. DOI: 10.1134/S1070363219080036

18. **Khalitova, L.R.; Grabovskii, S.A.; Kabal'nova, N.N.** (2019). Formation of Singlet Oxygen during Thermal Degradation of Hydrotrioxides of Triorganosilanes. *High Energy Chemistry*, 53(6), 435–437. DOI: 10.1134/S0018143919060109

19. **Murinov, Y.I.; Grabovskii, S.A.; Kabal'nova, N.N.** (2019). Pro- and antioxidant properties of uracil derivatives. *Russian Chemical Bulletin*, 68(5), 946–954. DOI: 10.1007/s11172-019-2505-4

20. **Grabovskiy, S.A.; Muhammadiev, R.S.; Valiullin, L.R.; Raginov, I.S.; Kabal'nova, N.N.** (2019). Synthesis and In Vitro anticancer activity of 6-ferrocenylpyrimidin -4(3H)-one derivatives. *Current Organic Synthesis*, 16(1), 160–164. DOI: 10.2174/1570179415666181113143516

21. **Golubyatnikova, L.G.; Khisamutdinov, R.A.; Grabovskii, S.A.; Meshcheryakova, E.S.; Khalilov, L.M.; Kabalnova, N.N.; Murinov, Y.I.** (2019). Synthesis and Structure of Chloro Complex of Palladium(II) with {[6-Amino-2-(butylsulfanyl)pyrimidin-4-yl]oxy}acetic Acid. *Russian Journal of General Chemistry*, 89(9), 1808–1815. DOI: 10.1134/S1070363219090135

22. **Khalitova, L.R.; Antipin, A.V.; Grabovskii, S.A.; Kabal'nova, N.N.** (2018). The Quantum Yield of Singlet Oxygen in Thermal Degradation of Alcohol Hydrotrioxides. *High Energy Chemistry*, 52(5), 446–448. DOI: 10.1134/S0018143918050089

23. **Mishinkin, V.Y.; Grabovskiy, S.A.; Kabal'nova, N.N.; Murinov, Y.I.** (2017). Activation of molecular oxygen on copper(II) complexes of 5-hydroxy and 5-aminoorotic acids. *Russian Journal of General Chemistry*, 87(7), 1542–1546. DOI: 10.1134/S1070363217070167

24. **Golubyatnikova, L.G.; Khisamutdinov, R.A.; Grabovskii, S.A.; Kabal'nova, N.N.; Murinov, Y.I.** (2017). Complexes of palladium(II) and platinum(II) with 6-tert-butyl-2-thiouracil. *Russian Journal of General Chemistry*, 87(1), 117–121. DOI: 10.1134/S1070363217010182

25. **Grabovskiy, S.A.; Antipin, A.V.; Grabovskaya, Y.S.; Andriayshina, N.M.; Akchurina, O.V.; Kabal'nova, N.N.** (2017). Effect of the 6-methyl group on peroxyl radical trapping by 5-hydroxyand 5-amino-derivatives of 1,3-dimethyluracil. *Letters in Organic Chemistry*, 14(1), 24–32. DOI: 10.2174/1570178614666161121123024

26. **Murinov, Y.I.; Mishinkin, V.Y.; Akchurina, O.V.; Grabovskii, S.A.; Kabal'nova, N.N.** (2017). Oxidation of 5-aminouracil with molecular oxygen in aqueous solution in the presence of copper(II) chloride. *Russian Journal of General Chemistry*, 87(8), 1667–1674. DOI: 10.1134/S1070363217080047

27. **Kabal'nova, N.N.; Grabovskiy, S.A.; Andriayshina, N.M.; Egorov, V.I.; Valiullin, L.R.; Nabatov, A.A.; Raginov, I.S.; Murinov, Y.I.** (2017). The impact of 5-substituted uracil derivatives on immortalized embryo lung cells. *Letters in Drug Design and Discovery*, 14(12), 1409–1414. DOI: 10.2174/1570180814666170502171640

28. **Akchurin, T.I.; Baibulatova, N.Z.; Grabovskii, S.A.; Talipova, P.P.; Galkin, E.G.; Dokichev, V.A.** (2016). Alkene hydrogenation over palladium supported on a carbon-silica material. *Kinetics and Catalysis*, 57(5), 586–591. DOI: 10.1134/S0023158416050025

29. **Akchurina, O.V.; Mishinkin, V.Y.; Grabovskiy, S.A.; Kabal'nova, N.N.; Murinov, Y.I.** (2016). Protonation of 5-aminouracil, 5-amino-1,3,6-trimethyluracil, and 6-aminouracil in aqueous solutions. *Russian Journal of General Chemistry*, 86(10), 2338–2343. DOI: 10.1134/S1070363216100157

30. **Grabovskiy, S.A.; Khalitova, L.R.; Fedorova, A.V.; Lobov, A.N.; Rol'nik, L.Z.; Kabal'nova, N.N.** (2016). Synthesis and kinetic regularities of the thermal decomposition of new hydrotrioxides of cyclic alcohols. *Russian Chemical Bulletin*, 65(2), 464–468. DOI: 10.1007/s11172-016-1322-2

31. **Mishinkin, V.Yu.; Grabovsky, S.A.; Kabal'Nova, N.N.; Murinov, Yu.I.** (2015). Complex formation between 5-aminoorotic acid and copper(II) ions in dimethylsulfoxide

solution. *Russian Journal of General Chemistry*, 85(7), 1686–1691. DOI: 10.1134/S1070363215070208

32. **Bondareva, S.O.; Grabovskiy, S.A.; Spirikhin, L.V.; Murinov, Y.I.** (2015). Interaction of diacylated ethylenediamine with hydrochloric acid. *Russian Chemical Bulletin*, 64(2), 375–378. DOI: 10.1007/s11172-015-0871-0

33. **Khalitova, L.R.; Grabovskiy, S.A.; Antipin, A.V.; Spirikhin, L.V.; Kabal'Nova, N.N.** (2015). Products of ozone oxidation of some saturated cyclic hydrocarbons. *Russian Journal of Organic Chemistry*, 51(12), 1710–1716. DOI: 10.1134/S1070428015120076

34. **Murinov, Y.I.; Grabovskiy, S.A.; Kuramshina, A.R.; Antipin, A.V.; Kabal'Nova, N.N.** (2015). The role of oxygen in the reaction of ferrocene with benzoyl peroxide. *Russian Journal of General Chemistry*, 85(1), 123–125. DOI: 10.1134/S1070363215010211

35. **Murinov, Y.I.; Grabovskiy, S.A.; Islamova, R.M.; Kuramshina, A.R.; Kabal'Nova, N.N.** (2013). Mechanism of methyl methacrylate polymerization initiated by benzoyl peroxide and ferrocene in the presence of oxygen. *Mendeleev Communications*, 23(1), 53–55. DOI: 10.1016/j.mencom.2013.01.020

36. **Vlasova, L.I.; Baibulatova, N.Z.; Grabovski, S.A.; Haukka, M.; Dokichev, V.A.; Tomilov, Yu.V.** (2013). Molecular structure of 3,7-dimethyl-9-thia-3,7-diazabicyclo[3.3.1]nonane-9, 9-dioxide. *Journal of Structural Chemistry*, 54(2), 465–467. DOI: 10.1134/S0022476613020297

37. **Grabovskiy, S.A.; Konkina, I.G.; Murinov, Y.I.; Kabal'nova, N.N.** (2012). 5-Aminouracil as effective inhibitor of peroxyl radicals. experimental and theoretical studies. *Current Organic Chemistry*, 16(11), 1447–1452. DOI: 10.2174/138527212800672619

38. **Grabovskiy, S.A.; Murinov, Y.I.; Kabal'nova, N.N.** (2012). 5-Substituted uracil derivatives as scavengers of peroxyl radicals. *Current Organic Chemistry*, 16(20), 2389–2393. DOI: 10.2174/138527212803520056

39. **Grabovskiy, S.A.; Murinov, Y.I.; Kabal'nova, N.N.** (2012). A new synthesis of 5-hydroxy-6-methyluracil. *Tetrahedron Letters*, 53(45), 6025–6028. DOI: 10.1016/j.tetlet.2012.08.133

40. **Mishinkin, V.Yu.; Grabovskii, S.A.; Kabal'Nova, N.N.; Murinkin, Yu.I.** (2012). Complex formation of 5-hydroxyorotic acid with copper(II) ions in water solutions. *Russian Journal of General Chemistry*, 82(4), 736–738. DOI: 10.1134/S1070363212040214

41. **Ferreri, C.; Grabovskiy, S.A.; Aoun, M.; Melchiorre, M.; Kabal'Nova, N.; Feillet-Coudray, C.; Fouret, G.; Coudray, C.; Chatgilialoglu, C.** (2012). Trans fatty acids: Chemical synthesis of eicosapentaenoic acid isomers and detection in rats fed a deodorized fish oil diet. *Chemical Research in Toxicology*, 25(3), 687–694. DOI: 10.1021/tx200467c

42. **Lykakis, I.N.; Grabovskiy, S.A.; Perchyonok, V.T.** (2011). Artificial enzymes and free radicals: The chemists perspective. *Organic Radical Reactions in Water and Alternative Media*, 207–238.

43. **Kabalnova, N.N.; Grabovskiy, S.A.** (2011). Interaction of the chlorine dioxide with some organic compounds. *Chlorine Properties, Applications and Health Effects*, 125–160.

44. **Nugumanov, T.R.; Antipin, A.V.; Grabovskii, S.A.; Kabal'nova, N.N.; Murinov, Y.I.** (2011). Oxidation of 5-hydroxy-6-methyluracil with molecular oxygen in the presence of copper(II) chloride in aqueous solution. *Russian Journal of General Chemistry*, 81(7), 1543–1546. DOI: 10.1134/S107036321107022X

45. **Amorati, R.; Valgimigli, L.; Pedulli, G.F.; Grabovskiy, S.A.; Kabalnova, N.N.; Chatgilialoglu, C.** (2010). Base-promoted reaction of 5-hydroxyuracil derivatives with peroxyl radicals. *Organic Letters*, 12(18), 4130–4133. DOI: 10.1021/ol1017245

46. **Lykakis, I.N.; Ferreri, C.; Grabovskiy, S.A.; Chatgilialoglu, C.** (2010). Separation of cis/trans geometrical fatty acid isomers by silver-exchanged zeolite Y. *Tetrahedron*, 66(12), 2203–2209. DOI: 10.1016/j.tet.2010.01.032

47. **Grabovskiy, S.A.; Abdrakhmanova, A.R.; Murinov, Y.I.; Kabal'nova, N.N.** (2009). 5-Hydroxy-6-methyluracil, an efficient scavenger of peroxyl radical in water. *Current Organic Chemistry*, 13(17), 1733–1736. DOI: 10.2174/138527209789578081

48. **Grabovskii, S.A.; Markov, E.A.; Galkin, E.G.; Kabal'Nova, N.N.** (2009). Kinetics of the thermal decomposition of 1,2-dioxaspiro[2,5]octane. *Kinetics and Catalysis*, 50(2), 180–185. DOI: 10.1134/S0023158409020062

49. **Kabalnova, N.N.; Grabovskiy, S.A.; Nugumanov, T.R.; Ivanov, S.P.; Murinov, Yu.I.** (2008). 5-Hydroxy-6-methyluracil as an efficient scavenger of peroxy radicals. *Russian Chemical Bulletin*, 57(11), 2265–2270. DOI: 10.1007/s11172-008-0318-y

50. **Ganieva, E.S.; Ganiev, I.M.; Grabovskiy, S.A.; Kabalnova, N.N.** (2008). Oxidation of alcohols by chlorine dioxide in organic solvents. *Russian Chemical Bulletin*, 57(11), 2328–2331. DOI: 10.1007/s11172-008-0330-2

51. **Ganieva, E.S.; Ganiev, I.M.; Grabovskiy, S.A.; Kabalnova, N.N.** (2008). Oxidation of valeraldehyde by chlorine dioxide. *Russian Chemical Bulletin*, 57(11), 2332–2334. DOI: 10.1007/s11172-008-0331-1

52. **Grabovskiy, S.A.; Antipin, A.V.; Ivanova, E.V.; Dokichev, V.A.; Tomilov, Y.V.; Kabal'nova, N.N.** (2007). Oxidation of some cage hydrocarbons by dioxiranes. Nature of the transition structure for the reaction of C-H bonds with dimethyldioxirane: A comparison of B3PW91 density functional theory with experiment. *Organic and Biomolecular Chemistry*, 5(14), 2302–2310. DOI: 10.1039/b707753j

53. **Abdrakhmanova, A.R.; Khalitova, L.R.; Spirikhin, L.V.; Dokichev, V.A.; Grabovskiy, S.A.; Kabal'nova, N.N.** (2007). Synthesis and thermal decomposition of hydrotrioxide obtained by ozonization of exo-bicyclo[2.2.1]heptan-2-ol. *Russian Chemical Bulletin*, 56(2), 271–275. DOI: 10.1007/s11172-007-0044-x

54. **Isupova, A.M.; Andriyashina, N.M.; Grabovskii, S.A.; Galin, F.Z.; Kabal'Nova, N.N.** (2007). Thermolysis of 2-[4-(chloro-tert-butyl)phenyl]propan-2-yl hydroperoxide: Kinetics and mechanism. *Petroleum Chemistry*, 47(5), 354–358. DOI: 10.1134/S0965544107050088

55. **Grabovskiy, S.A.; Kabal'nova, N.N.; Chatgilialoglu, C.; Ferreri, C.** (2006). Epoxidation of polyunsaturated fatty acid double bonds by dioxirane reagent: Regioselectivity and lipid supramolecular organization. *Helvetica Chimica Acta*, 89(10), 2243–2253. DOI: 10.1002/hlca.200690209

56. **Grabovskiy, S.A.; Markov, E.A.; Ryzhkov, A.B.; Kabal'nova, N.N.** (2006). Products, kinetic regularities, and mechanism of thermal decomposition of ethyl(methyl)dioxirane. *Russian Chemical Bulletin*, 55(10), 1780–1787. DOI: 10.1007/s11172-006-0487-5

57. **Grabovskiy, S.A.; Timerghazin, Q.K.; Kabal'nova, N.N.** (2005). Oxidation of ethers with dimethyldioxirane. *Russian Chemical Bulletin*, 54(10), 2384–2393. DOI: 10.1007/s11172-006-0127-0

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60. **Grabovskii, S.A.; Kabal'nova, N.N.; Shereshovets, V.V.; Chatgilialoglu, C.** (2002). Kinetic and product studies of the reaction of triorganosilanes with dimethyldioxirane. *Organometallics*, 21(17), 3506–3510. DOI: 10.1021/om0200095

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