

Volodymyr Zaitsev
Curriculum Vitae

Janeiro/202

Nome civil

Nome Volodymyr Zaitsev

Dados pessoais

Filiação Nikalay Zaitsev e Tatiana Kanivets
Nascimento 11/10/1958 - Kiev/ - Ucrânia
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Endereço profissional Pontifícia Universidade Católica do Rio de Janeiro, departamento de Química
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Endereço eletrônico

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Formação acadêmica/titulação

- 1981 - 1984** Doutorado em química inorganica.
Taras Shevchenko National University of Kyiv, KNU, Ucrânia
Título: Metal complexes with silica with covalently immobilised quinolines, Ano de obtenção: 1984
Orientador: Viktor Skopenko
Bolsista do(a): Ministério da Educação Superior da Ucrânia
- 1979 - 1981** Mestrado em Química inorganica.
Taras Shevchenko National University of Kyiv, KNU, Ucrânia
Título: Copper complexes with immobilised amines, Ano de obtenção: 1981
Orientador: Viktor Skopenko
- 1975 - 1979** Graduação em Química.
Taras Shevchenko National University of Kyiv, KNU, Ucrânia

Pós-doutorado e livre-docência

- 1995 - 1995** Pós-Doutorado .
Texas A&M University System, TAMUS, College Station, Estados Unidos
Bolsista do(a): Fulbright Scholar Program
- 1990 - 1991** Pós-Doutorado .
University of Southampton, SOUTHAMPTON, Southampton, Inglaterra
Bolsista do(a): British Council
- 1997** Livre Docência .
Taras Shevchenko National University of Kyiv, KNU, Ucrânia
Título: Complexing silicas: preparation, structure of bonded layer, surface chemistry, Ano de obtenção: 1997

Atuação profissional

1. Pontifícia Universidade Católica do Rio de Janeiro - PUC-Rio

Vínculo institucional

2014 - Atual Vínculo: Celetista , Enquadramento funcional: Professor Associado 1 , Carga horária: 40, Regime: Dedicção exclusiva

Atividades

03/2019 - Atual Conselhos, Comissões e Consultoria, departamento de Química

Especificação:

Comissão Geral

2014 - 2017 Conselhos, Comissões e Consultoria, departamento de Química

Especificação:

Comissão Geral

06/2014 - Atual Pesquisa e Desenvolvimento, departamento de Química

Linhas de pesquisa:

Química Analítica , QUÍMICA DE MATERIAIS , nanomateriais , Adsorventes para análise química , nanoquímica

2. Taras Shevchenko National University of Kyiv - KNU

Vínculo institucional

2012 - 2014 Vínculo: Celetista , Enquadramento funcional: Professor titular , Carga horária: 40, Regime: Dedicção exclusiva

2000 - 2012 Vínculo: Celetista , Enquadramento funcional: Department chair , Carga horária: 40, Regime: Dedicção exclusiva

1997 - 2000 Vínculo: Celetista , Enquadramento funcional: Professor titular , Carga horária: 40, Regime: Dedicção exclusiva

1992 - 1997 Vínculo: Celetista , Enquadramento funcional: Associate professor , Carga horária: 40, Regime: Dedicção exclusiva

1985 - 1992 Vínculo: Celetista , Enquadramento funcional: Assistant Professor , Carga horária: 40, Regime: Dedicção exclusiva

1984 - 1985 Vínculo: Celetista , Enquadramento funcional: young researcher , Carga horária: 40, Regime: Dedicção exclusiva

Atividades

05/2012 - 05/2014 Pesquisa e Desenvolvimento, chemistry faculty, analytical chemistry

Linhas de pesquisa:

Química Analítica

04/2002 - 05/2014 Conselhos, Comissões e Consultoria, chemistry faculty

Especificação:

membro do conselho científico departamento

2000 - 2012 Direção e Administração, chemistry faculty, analytical chemistry

Cargos ocupados:

chair

3. Institut National des Sciences Appliquées de Lyon - INSA LYON

Vínculo institucional

2004 - 2005 Vínculo: Professor Visitante , Enquadramento funcional: visiting researcher , Carga horária: 40, Regime: Integral

4. Universidade Estadual de Campinas - UNICAMP

Vínculo institucional

2000 - 2000 Vínculo: Professor Visitante, Enquadramento funcional: lectures in surface chemistry, Carga horária: 20, Regime: Parcial

Linhas de pesquisa

1. Química Analítica
2. Adsorventes para análise química
3. Nanomateriais
4. Nano-química

Revisor de periódico

1. TRAC-TRENDS IN ANALYTICAL CHEMISTRY

Vínculo
2020 - Atual Regime: Parcial
2. **CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY**

Vínculo
2017 - Atual Regime: Parcial
3. **APPLIED SURFACE SCIENCE**

Vínculo
2017 - Atual Regime: Parcial
4. **ACS Applied Materials & Interfaces (Online)**

Vínculo
2016 - Atual Regime: Parcial
5. **CLEAN - Soil, Air, Water**

Vínculo
2016 - Atual Regime: Parcial
Outras informações:
WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim Impact Factor: 1.945 ISSN: 1863-0669

6. **Microchimica Acta**

Vínculo
2014 - Atual Regime: Parcial
7. **TALANTA**

Vínculo
2014 - Atual Regime: Parcial
9. **Sensors and Actuators. B, Chemical**

Vínculo
2010 - Atual Regime: Parcial
10. **Journal of Colloid and Interface Science (Print)**

Vínculo
2009 - Atual Regime: Parcial
12. **Microporous and Mesoporous Materials (Print)**

Vínculo
2007 - Atual Regime: Parcial
13. **Colloids and Surfaces. A, Physicochemical and Engineering Aspects (Print)**

Vínculo
2006 - Atual Regime: Parcial
14. **Analytica Chimica Acta (Print)**

Vínculo
2005 - Atual Regime: Parcial
15. **Langmuir**

Vínculo
1998 - 2008 Regime: Parcial

Membro de corpo editorial

1. **Chemical Papers (Print)**

Vínculo
2012 - Atual Regime: Parcial
2. **CHEMISTRY, PHYSICS AND TECHNOLOGY OF SURFACE**

Vínculo
2012 - Atual Regime: Parcial
3. **Journal of Analytical Chemistry (Moscow)**

Vínculo
2009 - Atual Regime: Parcial
4. **J WATER CHEM TECHNO+**

Vínculo
2008 - Atual Regime: Parcial
5. **METHODS AND OBJECTS OF CHEMICAL ANALYSIS**

Vínculo
2006 - Atual Regime: Parcial
Outras informações:
Editor-in-Chief
6. **Ukrainian Chemistry Journal**

Vínculo
2001 - Atual Regime: Parcial

Membro de comitê de assessoramento

1. **National Science Foundation of Ukraine - NSFU**

Vínculo
2020 - Atual Regime: Parcial
2. **European Chemical Society - EUCHEMS**

Vínculo
2005 - Atual Regime: Parcial
Outras informações:
<https://www.euchems.eu/divisions/analytical-chemistry/>
3. **Academy of sciences of Ukraine - NASU**

Vínculo
2007 - Atual Regime: Parcial
Outras informações:
<http://ionc.kiev.ua/councils/c-inorg.html>
4. **Organisation for the Prohibition of Chemical Weapons - OPCW**

Vínculo
2008 - 2015 Regime: Parcial

Revisor de projeto de agência de fomento

1. **Conselho Nacional de Desenvolvimento Científico e Tecnológico - CNPq**

Vínculo
2019 - Atual Regime: Parcial
2. **Italian Ministry of Education, University and Research - MIUR**

Vínculo
2013 - Atual Regime: Parcial
Outras informações:
Expert for evaluation of research projects from MIUR (Italian Ministry of Education, University and Research)
3. **European Union Horizon 2020 - H2020**

Vínculo
2013 - Atual Regime: Parcial
Outras informações:
expert for Horizon 2020 programs <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
4. **European Union's Research and Innovation funding programme - FP7**

Vínculo
2007 - 2013 Regime: Parcial
Outras informações:
FP7 the European Union's Research and Innovation funding programme for 2007-2013 titled: 7 th Framework Programme for

5. International Association for the Promotion of Co-operation with Scientists - INTAS

Vínculo

1998 - 2006

Regime: Parcial

Outras informações:

The International Association for the Promotion of Co-operation with Scientists from the New Independent States of the Former Soviet Union http://cordis.europa.eu/programme/rcn/493_en.html

Áreas de atuação

1. Análise de Traços e Química Ambiental
2. Química Analítica
3. chemistry of surface
4. Campos de Coordenação
5. Separação
6. Química de Interfaces

Idiomas

Inglês	Compreende Bem, Fala Bem, Escreve Bem, Lê Bem
Russo	Compreende Bem, Fala Bem, Escreve Bem, Lê Bem
Ucraniano	Compreende Bem, Fala Bem, Escreve Bem, Lê Bem

Prêmios e títulos

2015	Bolsista de Produtividade em Pesquisa 2, CNPq
2015	Prêmio Santander Universidades – Categoria Ciência e Inovação (Finalist), Partículas híbridas para libertação controlada de fármacos e nanobiotecnologia
2012	Membro estrangeiro da "Conselho Científico da analytycheskoy Química RAS, Rússia, Russian Academy of Sciences
2010	Member of Scientific advisory board, The Organisation for the Prohibition of Chemical Weapons (OPCW)
2009	Corresponding member of Academy of Sciences of Ukraine, Academy of Sciences of Ukraine
2007	State Prize of Ukraine in science and engineering, President of Ukraine
2006	Academician, Ukrainian academy of high schools
2004	O representante da Ucrânia à Federação Europeia de Sociedades de Química e organizações profissionais, European Association for Chemical and Molecular Sciences
2001	Presidente do Conselho Científico da NAS da Ucrânia em Química Analítica, Academy of Sciences of Ukraine
1995	Fulbright scholarship, The United States Information Agency
1995	Soros' docent, Open Society Foundations (OSF)
1991	British Council Scholar, the British Council

Produção

Produção bibliográfica

Artigos completos publicados em periódicos

1. ARTIUSHENKO, OLENA; **Zaitsev, Vladimir***; ROJANO, WENDY S.; FREITAS, GABRIEL A.; NAZARKOVSKY, MICHAEL; SAINT'PIERRE, TATIANA D.; KAI, JIANG
Rationally designed dipicolinate-functionalized silica for highly efficient recovery of rare-earth elements from e-waste.
Journal of Hazardous Materials, v.408, p.124976, 2021.
2. ZAKHARKIV, IGOR; ZUI, MARYNA; **Zaitsev, Vladimir***
Determination of Phthalate Esters in Water and Liquid Pharmaceutical Samples by Dispersive Liquid-Liquid Microextraction (DLLME) and Gas Chromatography with Flame Ionization Detection (GC-FID).
Analytical Letters, v.53, p.1536 - 1553, 2020.
3. MIKHRALIEVA, ALBINA; **Zaitsev, Vladimir***; XING, YUTAO; COELHO-JÚNIOR, HORÁCIO; SOMMER, RUBEM LUIS
Excitation-Independent Blue-Emitting Carbon Dots from Mesoporous Aminosilica Nanoreactor for Bioanalytical Application.
ACS Applied Nano Materials, v.3, p.3652 - 3664, 2020.
4. MIKHRALIEVA, ALBINA; **Zaitsev, Vladimir***; TKACHENKO, OLEG; NAZARKOVSKY, MICHAEL; XING, YUTAO; BENVENUTTI, EDILSON V.
Graphene oxide quantum dots immobilized on mesoporous silica: preparation, characterization and electroanalytical application.
RSC Advances, v.10, p.31305 - 31315, 2020.
5. NAZARKOVSKY, MICHAEL; DE MELLO, HEBER L.; BISAGGIO, RODRIGO C.; ALVES, LUIZ A.; **ZAITSEV, VOLODYMYR***
Hybrid suspension of nanodiamonds-nanosilica/titania in cytotoxicity tests on cancer cell lines.
Inorganic Chemistry Communications, v.111, p.107673, 2020.
6. ARTIUSHENKO, O.; KOSTENKO, LIUDMILA; **Vladimir Zaitsev***
Influence of competitive eluting agents on REEs recovery from silica gel adsorbent with immobilized aminodiphosphonic acid.
Journal Of Environmental Chemical Engineering, v.8, p.103883, 2020.
7. MIKHRALIEVA, ALBINA; **Zaitsev, Vladimir***; AUCÉLIO, RICARDO Q; DA MOTTA, HENRIQUE B; NAZARKOVSKY, MICHAEL
Benefit of porous silica nanoreactor in preparation of fluorescence carbon dots from citric acid.
Nano Express, v.1, p.010011, 2020.
8. ARTIUSHENKO, OLENA; ÁVILA, ELOAH PEREIRA; NAZARKOVSKY, MICHAEL; **Zaitsev, Vladimir***
Reusable hydroxamate immobilized silica adsorbent for dispersive solid phase extraction and separation of rare earth metal ions.
Separation And Purification Technology, v.231, p.115934, 2020.
9. IABLOKOV, V.; ALEKSEEV, S.A.; GRYN, S.; BEZVERKHYY, I.; **Zaitsev, V.**; KOVARIK, L.; VISART DE BOCARME, T.; KRUSE, N*.
Superior Fischer-Tropsch performance of uniform cobalt nanoparticles deposited into mesoporous SiC.
Journal Of Catalysis, v.383, p.297 - 303, 2020.
10. TIMPERLEY*, CHRISTOPHER M.; FORMAN, JONATHAN E.; ABDOLLAHI, MOHAMMAD; AL-AMRI, ABDULLAH SAEED; BAULIG, AUGUSTIN; BENACHOUR, DJAFER; BORRETT, VERONICA; CARIÑO, FLERIDA A.; GEIST, MICHAEL; GONZALEZ, DAVID; KANE, WILLIAM; KOVARIK, ZRINKA; MARTÍNEZ-ÁLVAREZ, ROBERTO; FUSARO MOURÃO, NICIA MARIA; NEFFE, SLAWOMIR; RAZA, SYED K.; RUBAYLO, VALENTIN; SUÁREZ, ALEJANDRA GRACIELA; TAKEUCHI, KOJI; TANG, CHENG; TRIFIRÒ, FERRUCCIO; VAN STRATEN, FRANCOIS MAURITZ; VANNINEN, PAULA S.; VUčINI', SLAVICA; **ZAITSEV, VOLODYMYR**; ZAFAR-UZ-ZAMAN, MUHAMMAD; ZINA, MONGIA SAÏD; HOLEN, STIAN; ALWAN, WESAM S.; SURI, VIVEK
Advice on assistance and protection from the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons: Part 2. On preventing and treating health effects from acute, prolonged, and repeated nerve agent exposure, and the identification of medical countermeasures able to reduce or eliminate the longer term health effects of nerve agents.
Toxicology, v.413, p.13 - 23, 2019.

11. TIMPERLEY*, CHRISTOPHER M.; FORMAN, JONATHAN E.; ABDOLLAHI, MOHAMMAD; AL-AMRI, ABDULLAH SAEED; BAULIG, AUGUSTIN; BENACHOUR, DJAFER; BORRETT, VERONICA; CARIÑO, FLERIDA A.; GEIST, MICHAEL; GONZALEZ, DAVID; KANE, WILLIAM; KOVARIK, ZRINKA; MARTÍNEZ-ÁLVAREZ, ROBERTO; MOURÃO, NICIA MARIA FUSARO; NEFFE, SLAWOMIR; RAZA, SYED K.; RUBAYLO, VALENTIN; SUÁREZ, ALEJANDRA GRACIELA; TAKEUCHI, KOJI; TANG, CHENG; TRIFIRÒ, FERRUCCIO; VAN STRATEN, FRANCOIS MAURITZ; VANNINEN, PAULA S.; VUčINI', SLAVICA; **ZAITSEV, VOLODYMYR**; ZAFAR-UZ-ZAMAN, MUHAMMAD; ZINA, MONGIA SAÏD; HOLEN, STIAN

Advice on assistance and protection provided by the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons: Part 1. On medical care and treatment of injuries from nerve agents.

Toxicology, v.415, p.56 - 69, 2019.

12. KOSTENKO, LIUDMYLA; ARTIUSHENKO, O.; KOVALCHUK, TATIANA; TOMASHCHUK, IRYNA; **Vladimir Zaitsev***

Preparation and characterization of organofunctionalized bentonite clay bearing aminophosphonic groups in heavy metal uptake.

Journal Of Environmental Chemical Engineering, v.7, p.103434, 2019.

13. NAZARKOVSKY, MICHAEL; ALEKSEEV, SERGEI; HUCZKO, ANDRZEJ; **ZAITSEV, VOLODYMYR***; DUPONT, JAIRTON; KAI, JIANG; XING, YUTAO; SCOFIELD, ARTHUR L.; CHACÓN, GUSTAVO; CARREIRA, RENATO S.

Structural and photocatalytic properties of silicon carbide powder and nanowires modified by gold nanoparticles.

Research On Chemical Intermediates, v.45, p.4081 - 4100, 2019.

14. TIMPERLEY*, CHRISTOPHER M.; FORMAN, JONATHAN E.; ABDOLLAHI, MOHAMMAD; AL-AMRI, ABDULLAH SAEED; ALONSO, ISEL PASCUAL; BAULIG, AUGUSTIN; BORRETT, VERONICA; CARIÑO, FLERIDA A.; CURTY, CHRISTOPHE; GONZALEZ, DAVID; KOVARIK, ZRINKA; MARTÍNEZ-ÁLVAREZ, ROBERTO; MIKULAK, ROBERT; FUSARO MOURÃO, NICIA MARIA; RAMASAMI, PONNADURAI; NEFFE, SLAWOMIR; RAZA, SYED K.; RUBAYLO, VALENTIN; TAKEUCHI, KOJI; TANG, CHENG; TRIFIRÒ, FERRUCCIO; VAN STRATEN, FRANCOIS MAURITZ; VANNINEN, PAULA S.; **ZAITSEV, VOLODYMYR**; WAQAR, FARHAT; ZINA, MONGIA SAÏD; HOLEN, STIAN; WEINSTEIN, HOPE A.

Advice from the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons on isotopically labelled chemicals and stereoisomers in relation to the Chemical Weapons Convention.

Pure And Applied Chemistry, v.10, p.1647 - 1670, 2018.

15. TIMPERLEY*, CHRISTOPHER M.; FORMAN, JONATHAN E.; ÅAS, PAL; ABDOLLAHI, MOHAMMAD; BENACHOUR, DJAFER; AL-AMRI, ABDULLAH SAEED; BAULIG, AUGUSTIN; BECKER-ARNOLD, RENATE; BORRETT, VERONICA; CARIÑO, FLERIDA A.; CURTY, CHRISTOPHE; GONZALEZ, DAVID; GEIST, MICHAEL; KANE, WILLIAM; KOVARIK, ZRINKA; MARTÍNEZ-ÁLVAREZ, ROBERTO; MIKULAK, ROBERT; FUSARO MOURÃO, NICIA MARIA; NEFFE, SLAWOMIR; DE SOUZA NOGUEIRA, EVANDRO; RAMASAMI, PONNADURAI; RAZA, SYED K.; RUBAYLO, VALENTIN; SAEED, AHMED E. M.; TAKEUCHI, KOJI; TANG, CHENG; TRIFIRÒ, FERRUCCIO; MAURITZ VAN STRATEN, FRANCOIS; SUÁREZ, ALEJANDRA G.; WAQAR, FARHAT; VANNINEN, PAULA S.; ZAFAR-UZ-ZAMAN, MOHAMMAD; **ZAITSEV, VOLODYMYR**; ZINA, MONGIA SAÏD; HOLEN, STIAN; IZZATI, FAUZIA NURUL

Advice from the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons on riot control agents in connection to the Chemical Weapons Convention.

RSC Advances, v.8, p.41731 - 41739, 2018.

16. TIMPERLEY*, CHRISTOPHER M.; FORMAN, JONATHAN E.; ABDOLLAHI, MOHAMMAD; AL-AMRI, ABDULLAH SAEED; ALONSO, ISEL PASCUAL; BAULIG, AUGUSTIN; BORRETT, VERONICA; CARIÑO, FLERIDA A.; CURTY, CHRISTOPHE; BERRUTTI, DAVID GONZÁLEZ; KOVARIK, ZRINKA; MARTÍNEZ-ÁLVAREZ, ROBERTO; MIKULAK, ROBERT; MOURÃO, NICIA MARIA FUSARO; PONNADURAI, RAMASAMI; NEFFE, SLAWOMIR; RAZA, SYED K.; RUBAYLO, VALENTIN; TAKEUCHI, KOJI; TANG, CHENG; TRIFIRÒ, FERRUCCIO; MAURITZ VAN STRATEN, FRANCOIS; VANNINEN, PAULA S.; **ZAITSEV, VOLODYMYR**; WAQAR, FARHAT; ZINA, MONGIA SAÏD; BLUM, MARC-MICHAEL; GREGG, HUGH; FISCHER, ELENA; SUN, SIQING; YANG, PEI

Advice on chemical weapons sample stability and storage provided by the Scientific Advisory Board of the Organisation for the Prohibition of Chemical Weapons to increase investigative capabilities worldwide.

Talanta, v.188, p.808 - 832, 2018.

17. KOSTENKO, L.S.; TOMASHCHUK, I.I.; KOVALCHUK, T.V.; ZAPOROZHETS, O.A.; **Zaitsev*, V.N.**

Bentonites With Immobilized Organophosphorus Complexing Ligands As Adsorbents For The Removal Of Toxic Metals From Natural Water.

Methods And Objects Of Chemical Analysis, v.13, p.35 - 43, 2018.

18. FORMAN*, JONATHAN E.; TIMPERLEY, CHRISTOPHER M.; AAS, PÅL; ABDOLLAHI, MOHAMMAD; ALONSO, ISEL PASCUAL; BAULIG, AUGUSTIN; BECKER-ARNOLD, RENATE; BORRETT, VERONICA; CARIÑO, FLERIDA A.; CURTY, CHRISTOPHE; GONZALEZ, DAVID; KOVARIK, ZRINKA; MARTÍNEZ-ÁLVAREZ, ROBERTO; MIKULAK,

ROBERT; DE SOUZA NOGUERIA, EVANDRO; RAMASAMI, PONNADURAI; RAZA, SYED K.; SAEED, AHMED E. M.; TAKEUCHI, KOJI; TANG, CHENG; TRIFIRÒ, FERRUCCIO; VAN STRATEN, FRANCOIS MAURITZ; WAQAR, FARHAT; **ZAITSEV, VOLODYMYR**; ZINA, MONGIA SAÏD; GROLMUSOVÁ, KATARÍNA; VALENTE, GUY; PAYVA, MARLENE; SUN, SIQING; YANG, AMY; VAN EERTEN, DARCY
Innovative technologies for chemical security.
Pure And Applied Chemistry, v.90, p.1527 - 1557, 2018.

19. ARTIUSHENKO, O.; **Vladimir Zaitsev***; SANDOVAL, W.; SAINTPIERRE, T. D.
Recovery of Lanthanide Ions on Silica Adsorbent with Covalently Immobilized Derivative of 2,6-Pyridinedicarboxylic Acid.
Methods And Objects Of Chemical Analysis, v.13, p.192 - 199, 2018.

20. SYROTCHUK, O.A.; DIDUKH, I.R.; **Zaitsev*, V.N.**
Separation of Parabens by the RP HPLC on Cyanopropyl Chromatographic Phases from Different Manufacturers, using a Mobile Phase with High Water Content.
Methods And Objects Of Chemical Analysis, v.13, p.79 - 84, 2018.

21. FEDORCHUK, O. I.; Kobylinska, N. G.; **ZAITSEV*, V. N.**
Headspace gas chromatographic determination of 1,4-dioxane with adsorption preconcentration on silica modified with carrageenan.
Journal of Analytical Chemistry, v.72, p.295 - 302, 2017.

22. Vladimir Zaitsev

In memory of Professor Yuri Kholin.
Methods And Objects Of Chemical Analysis, v.12, p.99 - 102, 2017.

23. CHUBAR, NATALIA; GILMOUR, ROBERT; GERDA, VASYL; OMASTOVA, MARIA; HEISTER, KATJA; MAN, PASCAL; FRAISSARD, JACQUES; **Zaitsev, Vladimir***
Layered double hydroxides as the next generation inorganic anion exchangers: Synthetic methods versus applicability.
Advances In Colloid And Interface Science, v.245, p.62 - 80, 2017.

24. KOBYLINSKAYA, N. G.; KHAINAKOVA, E. A.; DIAZ-GARCIA, M. E.; **ZAITSEV*, V. N.**
Nanocomposites based on magnetite modified by chelate groups for a solid-phase concentration of heavy-metal ions from aqueous solutions.
Protection of Metals and Physical Chemistry of Surfaces, v.53, p.675 - 684, 2017.

25. GONCHAROVA, L. A.; Kobylinska, N. G.; DÍAZ-GARCIA, M. E.; **ZAITSEV*, V. N.**
Solid-phase luminescence determination of tetracycline in bottled water using chemically modified silica.
Journal Of Analytical Chemistry, v.72, p.724 - 733, 2017.

26. TURCHENIUK, VOLODYMYR; TURCHENIUK, KOSTIANTYN; BOUCKAERT, JULIE; BARRAS, ALEXANDRE; DUMYCH, TETIANA; BILYY, ROSTYSLAV; **Zaitsev, Vladimir**; SIRIWARDENA, ALOYSIUS; WANG, QI; BOUKHERROUB, RABAH; SZUNERITS*, SABINE
Affinity of Glycan-Modified Nanodiamonds towards Lectins and Uropathogenic.
ChemNanoMat., v.2, p.307 - 314, 2016.

27. FEDORCHUK, O. I.; Kobylinska, N. G.; **Zaitsev, V.N.**
Application of silica modified by molecules of carrageenan for the selective preconcentration and determination of trace amount of 1,4-dioxane.
Ukrainian Chemistry Journal, v.82, p.73 - 83, 2016.

28. KOSTENKO, L.S.; ANDREEV, S.; FRAISSARD, J.; ALEKSEEV, S.; **Zaitsev*, V.N.**
Investigation of the local environment of aminodiphosphonic acid covalently immobilized on silica surface by XPS and solid-state ³¹P NMR.
Himia, Fizika ta Tehnologija Poverhni, v.7, p.20 - 30, 2016.

29. KORYTKO, DMYTRO; GRYN, SVITLANA; ALEKSEEV, SERGEI; IABLOKOV, VIACHESLAV; KHAYNAKOVA, OLENA; **Zaitsev, Vladimir**; BEZVERKHYY, IGOR; KRUSE*, NORBERT
Mesoporous silicon carbide via nanocasting of Ludox® xerogel.
RSC Advances, v.6, p.108828 - 108839, 2016.

30. TURCHENIUK, KOSTIANTYN; DUMYCH, TETIANA; BILYY, ROSTYSLAV; TURCHENIUK, VOLODYMYR; BOUCKAERT, JULIE; VOVK, VOLODYMYR; CHOPYAK, VALENTYNA; **Zaitsev, Vladimir**; MARIOT, PASCAL; PREVARSKAYA, NATACHA; BOUKHERROUB, RABAH; SZUNERITS*, SABINE

Plasmonic photothermal cancer therapy with gold nanorods/reduced graphene oxide core/shell nanocomposites.
RSC Advances, v.6, p.1600 - 1610, 2016.

31. SYROTCHUK, O.; DIDUKH, I.; MARKIN, R.; **Vladimir Zaitsev***
SEPARATION OF THE COMPLEX MEDICAL PREPARATIONS USING EMBEDDED POLAR COLUMNS.
Visnyk of the Lviv University. Series Chemistry, v.57, p.188 - 195, 2016.

32. ZAITSEVA, NATALIYA; ALEKSEEV, SERGEI; **Zaitsev, Vladimir***; RAKS, VIKTORIA
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