

UNIVERSITATEA DIN CRAIOVA
FACULTATEA DE ȘTIINȚE
DEPARTAMENTUL DE CHIMIE
Școala Doctorală de Științe

Prof. dr. MUREȘEANU Mihaela

LISTA DE LUCRĂRI

1a. Teza de doctorat

- Doctorand in Chimie – perioada: 1993-1998
- Facultatea: Chimie; Universitatea din București
- **Coordonator științific:** Prof. Univ. Dr Ion Gănescu
- **Titlul tezei de doctorat:** Contribuții la chimia analitică a ruteniului
- Susținută la: 9.11.1998
- **Confirmare:** OMedC 3460/15.03.1999

1b. Teza de abilitare

- **Titlul tezei de abilitare:** ”Nanostructured hybrid (bio)organic-inorganic materials from molecular design to green chemistry applications”
- Susținută la: 11.03.2016
- **Atestat de abilitare și conducere de doctorat în domeniul ”Chimie”; OM nr. 3970/07.06.2016**

2. Articole științifice, publicate în reviste de specialitate recunoscute la nivel național și internațional

2.1. Articole publicate în reviste cotate ISI

1. Title: FeTi- SBA-15 magnetic nanocomposites with photocatalytic properties
Author(s) Mihaela Filip, Gabriela Petcu, Elena M. Anghel , Simona Petrescu , Bogdan Trica ,
Petre Osiceanu , Nicolae Stanica, Irina Atkinson , Cornel Munteanu, Mihaela Mureseanu,
Viorica Parvulescu
Source: CATALYSIS TODAY, 2020,<https://doi.org/10.1016/j.cattod.2020.08.003> IF 2019:
5,825

2. Title: New photoactive mesoporous Ce-modified TiO₂ for simultaneous wastewater treatment and electric power generation
Author(s) Mihaela Mureseanu, Valentina Chivu, Mariana Osiac, Madalina Ciobanu, Cristina Bucur, Viorica Parvulescu, Nicoleta Cioatera
Source: CATALYSIS TODAY, 2020, <https://doi.org/10.1016/j.cattod.2020.08.003>) IF 2019: 5,825
3. Title: Heterostructures of Ce-Ti/layered double hydroxides and the derived MMOs for photoenergy applications
Author(s) Chivu, V. ; Gilea, D. ; Cioatera, N. ; Carja, G.; Mureseanu, M
Source: APPLIED SURFACE SCIENCE, volume: 513, Article Number: 145853, Published: MAY 30 2020 DOI: 10.1016/j.apsusc.2020.145853
Times Cited: 1 (from Web of Science) IF 2019: 6,182
4. Title: Biosorption of Pb(II) from Aqueous Solution Using Mushroom (*Pleurotus ostreatus*) Biomass and Spent Mushroom Substrate
Author(s) Eliescu, Andreea; Georgescu, Andreea Antonia; Nicolescu, Cristina Mihaela; Bumbac Marius, Cioatera Nicoleta, Mureseanu Mihaela, Buruleanu Lavinia Claudia
Source: ANALYTICAL LETTERS Volume: 53 Pages: 2292-2319 Published: SEP 21 2020
Times Cited: 2 (from Web of Science) IF 2019: 1,248
5. Title: Performance of *Pleurotus ostreatus* Mushrooms and Spent Substrate for the Biosorption of Cd(II) From Aqueous Solution
Author(s) Georgescu Andreea, Eliescu Andreea, Nicolescu Cristina Mihaela, Bumbac Marius, Cioatera Nicoleta, Mureseanu, Mihaela; Buruleanu Lavinia Claudia
Source: ANALYTICAL LETTERS Volume: 52 Pages: 2007-2027 Published: SEP 2 2019
Times Cited: 4 (from Web of Science) IF 2019: 1,248
6. Title: Ce, Ti modified MCM-48 mesoporous photocatalysts: Effect of the synthesis route on support and metal ion properties
Author(s) Mureseanu, Mihaela; Filip, Mihaela; Somacescu, Simona; et al.
Source: APPLIED SURFACE SCIENCE Volume: 444 Pages: 235-242 Published: JUN 30 2018
Times Cited: 5 (from Web of Science) IF 2019: 6,182
7. Title: Plasmonic photocatalysts based on silver nanoparticles-layered double hydroxides for efficient removal of toxic compounds using solar light
Author(s) D. Gilea, T. Radu, M. Mureseanu, G. Carja
Source: APPLIED SURFACE SCIENCE Volume: 444 Pages: 407-413 Published: JUN 30 2018
Times Cited: 11 (from Web of Science) IF 2019: 6,182
8. Title: Cerium modified mesoporous TiO₂ photocatalysts obtained by sol-gel method
Author(s) T. Diaconu, M. Ciobanu, G. Petcu, D. Culita, S. Preda, J. Pandeale, M. Mureseanu, V. Parvulescu
Source: REVUE ROUMAINE DE CHIMIE Volume: 63 Issue: 5-6 Pages:467-474 Published: NOV-DEC 2018
Times Cited: 0 (from Web of Science) IF 2019: 0,381
9. Title: Removal of Cu(II) Ions from Aqueous Solutions by an Ion-Exchange Process: Modeling and Optimization

Author(s): Bleotu, Irina; Dragoi, Elena Niculina; Mureseanu, Mihaela; et al.
Source: ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY Volume: 37 Issue: 1
Pages: 605-612 Published: JAN 2018
Times Cited: 9 (from Web of Science) IF 2019: 1,989

10. Title: A family of solar light responsive photocatalysts obtained using $Zn^{2+} Me^{3+}$ (Me = Al/Ga) LDHs doped with Ga_2O_3 and In_2O_3 and their derived mixed oxides: a case study of phenol/4-nitrophenol decomposition
Author(s): Carja, Gabriela; Grosu, Elena Florentina; Mureseanu, Mihaela; et al.
Source: CATALYSIS SCIENCE & TECHNOLOGY Volume: 7 Issue: 22 Pages: 5402-5412
Published: NOV 21 2017
Times Cited: 18 (from Web of Science) IF 2019: 5,721

11. Title: Biocatalysts obtained by enzyme immobilization on functionalized mesoporous silica supports
Author(s): Filip, Mihaela; Mureseanu, Mihaela; Paun, Gabriela; et al.
Source: REVUE ROUMAINE DE CHIMIE Volume: 61 Issue: 11-12 Pages:927-933
Published: NOV-DEC 2016
Times Cited: 1 (from Web of Science) IF 2019: 0,381

12. Title: Green synthesis of g- C_3N_4 /CuONP/LDH composites and derived g- C_3N_4 /MMO and their photocatalytic performance for phenol reduction from aqueous solutions
Author(s): Mureşeanu, M., Radu, T., Andrei R., Darie, M., Cârjă, G.
Source: APPLIED CLAY SCIENCE, Volume 141 Pages 1-12 Published: FEBRUARY 2017
Times Cited: 14 (from Web of Science) IF 2019: 4,605

13. Title: Cu^{II} (Sal-Ala)/CuAILDH Hybrid as Novel Efficient Catalyst for Artificial Superoxide Dismutase (SOD) and Cyclohexene Oxidation by H_2O_2
Author(s): Mureşeanu, M., Puşcaşu, M., Somacescu, S., Carja, G.,
Source: CATALYSIS LETTERS, Published: Volume 145 Issue: 8 Pages:1529-1540
Published: AUG 2015
Times Cited: 0 (from Web of Science) IF 2017/2018: 2,372

14. Title: Mesoporous CeTiSiMCM-48 as novel photocatalyst for degradation of organic compounds
Author(s): Mureşeanu, M., Pârvulescu, V., Radu, T., Filip, M., Cârjă, G.
Source: JOURNAL OF ALLOYS AND COMPOUNDS Volume: 648 Issue: 5 Pages: 864-873
Published: JULY 2015
Times Cited: 12 (from Web of Science) IF 2019: 4,65

15. Title: Ni-exchanged AISBA-15 mesoporous materials as outstanding catalysts for ethylene oligomerization
Author(s): Andrei, R.D., Mureseanu, M., Popa, M.I., Cammarano, C., Fajula, F., Hulea, V.
Source: EUROPEAN PHYSICAL JOURNAL SPECIAL TOPICS Volume: 224 Pages: 1833-1843 Published: JUNE 2015
Times Cited: 9 (from Web of Science) IF 2019: 1,67

16. Title: Laccase immobilized on mesoporous silica supports as an efficient system for wastewater bioremediation
Author(s): Mureşeanu, M., Trandafir, I., Băbeanu, C., Pârvulescu, V., Păun, G.
Source: ENVIRONMENT PROTECTION ENGINEERING, Volume: 42 Issue:2 Pages: 81-95
Published: 2016
Times Cited: 3 (from Web of Science) IF 2017/2018: 0,812

17. Title: Selective Removal of Cu(II) from Diluted Aqueous Media by an Iminodiacetic Acid Functionalized Resin. Thermodynamic and kinetic studies in batch
Author(s): Bleotu, Irina; Dorneanu, Sorin-Aurel; Mureseanu, Mihaela; et al.
Source: REVISTA DE CHIMIE Volume: 66 Issue: 6 Pages: 797-802 Published: JUN 2015
Times Cited: 9 (from Web of Science) IF 2019: 1,755
18. Title: Cu^{II}(Sal-Ala)/MgALDH and Cu^{II}(Sal-Phen)/MgALDH as novel catalytic systems for cyclohexene oxidation by H₂O₂
Author(s): Mureseanu, Mihaela; Georgescu, Irina; Bibire, Livia Elena; Carja, Gabriela
Source: CATALYSIS COMMUNICATIONS Volume: 54 Pages: 39-44 Published: SEP 5 2014
Times Cited: 9 (from Web of Science) IF 2019: 3,612
19. Title: Copper Electrochemical Detection with Hybrid Mesoporous Silica-Gly-Gly-His Modified Electrodes
Author(s): Mureseanu, Mihaela; Popa, Dana Elena; Buleandra, Mihaela; et al.
Source: INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 9 Issue: 9 Pages: 5035-5048 Published: SEP 2014
Times Cited: 7 (from Web of Science) IF 2019: 1,573
20. Title: New Methods for Claritine Determination Based on Pt(IV) Complex Anions
Author(s): Ganescu, Anca; Mureseanu, Mihaela; Ionescu, Elena; et al.
Source: REVISTA DE CHIMIE Volume: 65 Issue: 5 Pages: 512-515 Published: MAY 2014
Times Cited: 4 (from Web of Science) IF 2019: 1,755
21. Title: Adsorptive Removal of Cadmium and Copper from Water by Mesoporous Silica Functionalized with N-(Aminothioxomethyl)-2-Thiophen Carboxamide
Author(s): Georgescu, Irina; Mureseanu, Mihaela; Carja, Gabriela; et al.
Source: JOURNAL OF ENVIRONMENTAL ENGINEERING Volume: 139 Issue: 10 Pages: 1285-1296 Published: OCT 1 2013
Times Cited: 8 (from Web of Science) IF 2019: 1,264
22. Title: Supported monocationic copper(II) complexes obtained by coordination with dialkylphosphonate groups on styrene-divinylbenzene copolymer as catalysts for oxidation of organic compounds
Author(s): Parvulescu, Viorica; Niculescu, Violeta; Ene, Ramona; Popa, Adriana; Mureseanu, Mihaela; Ene, C.D; Andruh, Marius
Source: JOURNAL OF MOLECULAR CATALYSIS A: CHEMICAL Volume: 366 Pages: 275-281 Published: SEP 2013
Times Cited: 9 (from Web of Science) IF /2019: 5,008
23. Title: Transition metal complexes with ligand containing thioamide moiety: Synthesis, characterization and antibacterial activities
Author(s): Reiss, Aurora; Mureseanu, Mihaela
Source: JOURNAL OF CHILIAN CHEMICAL SOCIETY Volume: 57 Issue 4 Pages: 1409-1414 Published: AUG. 2012
Times Cited: 14 (from Web of Science) IF 2019: 0,617
24. Title: Hystidine-Salicylaldehyde Schiff Base Cu(II) Complexes Immobilized on Mesoporous Materials as Potentially Biomimetic Oxidation Catalyst
Author(s): Georgescu, Irina; Mureseanu, Mihaela; Carja, Gabriela; et al.
Source: REVISTA DE CHIMIE Volume: 63 Issue: 9 Pages: 962-966 Published: SEP 2012
Times Cited: 1 (from Web of Science) IF 2019: 1,755

25. Title: Organofunctionalized Mesoporous Silica Carbon Paste Electrode for Simultaneously Determination of Copper, Lead and Cadmium
Author(s): Popa, Dana Elena; Mureseanu, Mihaela; Tanase, Ion Gh.
Source: REVISTA DE CHIMIE Volume: 63 Issue: 5 Pages: 507-512 Published: MAY 2012
Times Cited: 10 (from Web of Science) IF 2019: 1,755
26. Title: Synthesis and Characterization of Cu(II), Ni(II) and Co(II) Binuclear Complexes with a new Schiff base (1,3-bis[ortho-(2-carboxy-phenyliminomethyl)-phenoxy]propane)
Author(s): Ciolan, Florina; Patron, Luminita; Mureseanu, Mihaela; et al.
Source: REVISTA DE CHIMIE Volume: 63 Issue: 1 Pages: 34-39 Published: JAN 2012
Times Cited: 5 (from Web of Science) IF 2019: 1,755
27. Title: Synthesis and Characterization of Zn(II) Binuclear Complexes with three Schiff bases derived from some Amino Acids and 2,2'-(propane-1,3-diylidioxy)dibenzaldehyde
Author(s): Ciolan, Florina; Patron, Luminita; Marinescu, Gabriela, Mureșeanu, Mihaela; et al.
Source: REVISTA DE CHIMIE Volume: 62 Issue: 12 Pages: 1145-1149 Published: DEC 2011
Times Cited: 1 (from Web of Science) IF 2019: 1,755
28. Title: Selective Cu²⁺ adsorption and recovery from contaminated water using mesoporous hybrid silica bio-adsorbents
Author(s): Mureseanu, Mihaela; Cioatera, Nicoleta; Trandafir, Ion; et al.
Source: MICROPOROUS AND MESOPOROUS MATERIALS Volume: 146 Issue: 1-3 Pages: 141-150 DOI: 10.1016/j.micromeso.2011.04.026 Published: DEC 2011
Times Cited: 40 (from Web of Science) IF 2019: 4,551
29. Title: Composite Beads Containing Copper-metallothionein for the Catalase Immobilization
Author(s): Roman, Gabriela Paun; Tache, Andreia; Neagu, Elena, Mureșeanu, Mihaela; et al.
Source: MATERIALE PLASTICE Volume: 47 Issue: 4 Pages: 497-502 Published: DEC 2010
Times Cited: 0 (from Web of Science) IF 2017/2018: 1,517
30. Title: Metal-organic hybrids obtained by functionalization of mesoporous silica
Author(s): Parvulescu, Viorica; Mureseanu, Mihaela; Reiss, Aurora; et al.
Source: REVUE ROUMAINE DE CHIMIE Volume: 55 Issue: 11-12 Pages: 1001-1008
Published: NOV-DEC 2010
Times Cited: 9 (from Web of Science) IF 2019: 0,381
31. Title: Mesoporous silica functionalized with 1-furoyl thiourea urea for Hg(II) adsorption from aqueous media
Author(s): Mureseanu, Mihaela; Reiss, Aurora; Cioatera, Nicoleta; et al.
Source: JOURNAL OF HAZARDOUS MATERIALS Volume: 182 Issue: 1-3 Pages: 197-203
DOI: 10.1016/j.jhazmat.2010.06.015 Published: OCT 15 2010
Times Cited: 88 (from Web of Science) IF 2019: 9,038
32. Title: Solid Phase Extraction of Copper Ions using a Chemically Modified SBA-15 Mesoporous Silica
Author(s): Mureseanu, Mihaela; Trandafir, Ion; Reiss, Aurora; et al.
Source: REVISTA DE CHIMIE Volume: 61 Issue: 10 Pages: 915-919 Published: OCT 2010
Times Cited: 2 (from Web of Science) IF 2019: 1,755

33. Title: Organofunctionalized mesoporous silica carbon paste electrode for voltammetric determination of Pb(II)
Author(s): Popa, Dana Elena; Buleandra, Mihaela; Mureseanu, Mihaela; et al.
Source: REVUE ROUMAINE DE CHIMIE Volume: 55 Issue: 9 Pages: 565-751 Published: SEP 2010
Times Cited: 6 (from Web of Science) IF 2019: 0,381
34. Title: Carbon Paste Electrode Modified with Organofunctionalized Mesoporous Silica for Electrochemical Detection and Quantitative Determination of Cadmium (II) Using Square Wave Anodic Stripping Voltammetry
Author(s): Popa, Dana Elena; Buleandra, Mihaela; Mureseanu, Mihaela; et al.
Source: REVISTA DE CHIMIE Volume: 61 Issue: 2 Pages: 162-167 Published: FEB 2010
Times Cited: 11 (from Web of Science) IF 2019: 1,755
35. Title: Carbon paste electrode modified with organofunctionalized mesoporous silica for electrochemical detection and determination of copper(II) using cyclic voltammetry and anodic stripping voltammetry
Author(s): Popa, Dana Elena; Buleandra, Mihaela; Mureseanu, Mihaela; et al.
Source: REVUE ROUMAINE DE CHIMIE Volume: 55 Issue: 2 Pages: 123-130 Published: FEB 2010
Times Cited: 6 (from Web of Science) IF 2019: 0,381
36. Title: Cu(II) complexes immobilized on functionalized mesoporous silica as catalysts for biomimetic oxidations
Author(s): Mureseanu, M.; Parvulescu, V.; Ene, R.; et al.
Source: JOURNAL OF MATERIALS SCIENCE Volume: 44 Issue: 24 Pages: 6795-6804 DOI: 10.1007/s10853-009-3682-6 Published: DEC 2009
Times Cited: 32 (from Web of Science) IF 2019: 3,553
37. Title: Modified SBA-15 mesoporous silica for heavy metal ions remediation
Author(s): Mureseanu, Mihaela; Reiss, Aurora; Stefanescu, Ioan; et al.
Source: CHEMOSPHERE Volume: 73 Issue: 9 Pages: 1499-1504 DOI: 10.1016/j.chemosphere.2008.07.039 Published: NOV 2008
Times Cited: 210 (from Web of Science) IF 2019: 5,778
38. Title: Spectrophotometric determination of copper(II) with 5-hydroxy-6-mercapto-benzo[alpha]phenazine
Author(s): Reiss, Aurora; Mureseanu, Mihaela; Muresan, Nicolae
Source: REVISTA DE CHIMIE Volume: 59 Issue: 1 Pages: 3-7 Published: JAN 2008
Times Cited: 1 (from Web of Science) IF 2019: 1,755
39. Title: Synthesis of sponge mesoporous silicas from lecithin/dodecylamine mixed-micelles in ethanol/water media: A route towards efficient biocatalysts
Author(s): Galarneau, A.; Renard, G.; Mureseanu, M.; et al.
Source: MICROPOROUS AND MESOPOROUS MATERIALS Volume: 104 Issue: 1-3 Pages: 103-114 DOI: 10.1016/j.micromeso.2007.01.017 Published: AUG 23 2007
Times Cited: 36 (from Web of Science) IF 2019: 4,551
- 40 Title: Heavy metals on a MCM-41 mesoporous silica functionalized with N-propylsalicylaldehyde
Author(s): Mureseanu, Mihaela; Reiss, Aurora; Parvulescu, Viorica; et al.
Source: REVISTA DE CHIMIE Volume: 58 Issue: 6 Pages: 502-506 Published: JUN 2007
Times Cited: 3 (from Web of Science) IF 2019: 1,755

41. Title: Synthesis and characterization of MCM-41 mesoporous silica modified with N-propylsalicylaldimine
Author(s): Mureseanu, Mihaela; Reiss, Aurora; Parvulescu, Viorica; et al.
Source: REVISTA DE CHIMIE Volume: 57 Issue: 10 Pages: 1030-1033 Published: OCT 2006
Times Cited: 1 (from Web of Science) IF 2019: 1,755
42. Title: Immobilization of lipase on silicas. Relevance of textural and interfacial properties on activity and selectivity
Author(s): Galarneau, A; Mureseanu, M; Atger, S; et al.
Source: NEW JOURNAL OF CHEMISTRY Volume: 30 Issue: 4 Pages: 562-571 DOI: 10.1039/b517104k Published: APR 200
Times Cited: 79 (from Web of Science) IF 2019: 3,288
43. Title: Determination of trace amounts of ruthenium from catalytic hydrogen currents by differential pulse polarography and voltammetry
Author(s): Mureseanu, M; Tanase, IG
Source: REVISTA DE CHIMIE Volume: 56 Issue: 6 Pages: 624-627 Published: JUN 2005
Times Cited: 0 (from Web of Science) IF 2019: 1,755
44. Title: A new mesoporous micelle-templated silica route for enzyme encapsulation
Author(s): Mureseanu, M; Galarneau, A; Renard, G; et al.
Source: LANGMUIR Volume: 21 Issue: 10 Pages: 4648-4655 DOI: 10.1021/la0502241
Published: MAY 10 2005
Times Cited: 60 (from Web of Science) IF 2019: 3,557
45. Title: Immobilisation of a biological chelate in porous mesostructured silica for selective metal removal from wastewater and its recovery
Author(s): Renard, G; Mureseanu, M; Galarneau, A; et al.
Source: NEW JOURNAL OF CHEMISTRY Volume: 29 Issue: 7 Pages: 912-918 DOI: 10.1039/b500302b Published: 2005
Times Cited: 26 (from Web of Science) IF 2019: 3,288
46. Title: A demonstration model for a selective and recyclable uptake of metals from water: Fe(III) ions complexation and release by a supported natural fluorescent chelator
Author(s): Mureseanu, M; Renard, G; Galarneau, A; et al.
Source: TALANTA Volume: 60 Issue: 2-3 Pages: 515-522 DOI: 10.1016/S0039-9140(03)00103-6 Published: JUN 13 2003
Times Cited: 12 (from Web of Science) IF 2019: 5,339
47. Title: The study of electrochemical behaviour of some osepines by cyclic voltammetry
Author(s): Tănase, I.Gh., Mureşeanu, M., Florea, I., Buleandă, M.
Source: UPB SCIENTIFIC BULLETIN, SERIES B CHEMISTRY AND MATERIALS SCIENCE
Volume: 63 Issue: 3 Pages: 37-44 Published: 2001
Times Cited: 0 (from Web of Science) IF 2019: 0,365
48. Title: Spectrophotometric determination of Ru(III) using rhodanine
Author(s): Pleniceanu, M; Mureseanu, M; Ganescu, I; et al.
Source: INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 40 Issue: 9 Pages: 1019-1020 Published: SEP 2001
Times Cited: 5 (from Web of Science) IF 2014: 0,851
49. Title: Complex Cr(III) anions in drugs analysis and control. Caffeine determination
Author(s): Ganescu, I; Mureseanu, M; Popescu, A; et al.

Source: REVISTA DE CHIMIE Volume: 51 Issue: 3 Pages: 182-185 Published: MAR 2000
Times Cited: 1 (from Web of Science) IF 2019: 1,755

50. Title: Spectrophotometric study of binary system Bi(III)-solochrom violet RS and determination of Bi(III)

Author(s): Pleniceanu, M; Rusu, O; Mureseanu, M; et al.

Source: INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY Volume: 36 Issue: 12 Pages: 1101-1102 Published: DEC 1997

Times Cited: 2 (from Web of Science) IF 2014: 0,851

51. Title: Spectrophotometric study of the binary system ruthenium(III)-1,2,3-cyclohexanetrioxime. Spectrophotometric determination of ruthenium(III)

Author(s): Ganescu, I; Pleniceanu, M; Mureseanu, M; et al.

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 74 Issue: 1 Pages: 70-71 Published: JAN 1997

Times Cited: 2 (from Web of Science) IF 2019: 0,233

52. Title: New substitution products of $K_3[Cr(SCN)_6]$ with some higher aliphatic monoamines

Author(s): Ganescu, I; Chirigiu, L; Mureseanu, M; et al.

Source: JOURNAL OF THE INDIAN CHEMICAL SOCIETY Volume: 73 Issue: 2-3 Pages: 129-131 Published: FEB-MAR 1996

Times Cited: 1 (from Web of Science) IF 2019: 0,233

53. Title: Substitution-reactions of $K_3[Cr(SCN)_6]$ with benzotriazole

Author(s): Ganescu, I; Mureseanu, M; Chirigiu, L; et al.

Source: REVUE ROUMAINE DE CHIMIE Volume: 40 Issue: 3 Pages: 217-224 Published: MAR 1995

Times Cited: 1 (from Web of Science) IF 2017/2018: 0,395

54. Title: Chrome complex anions (III) in chemical-analysis-bismuth determination as hexathiocyanatochromate

Author(s): Ganescu, I; Rusu, O; Mureseanu, M; et al.

Source: REVISTA DE CHIMIE Volume: 46 Issue: 1 Pages: 70-75 Published: JAN 1995

Times Cited: 1 (from Web of Science) IF 2019: 1,755

55. Title: Carbochromen determination with reinecke salt analogs

Author(s): Ganescu, I; Chirigiu, L; Mureseanu, M

Source: REVISTA DE CHIMIE Volume: 45 Issue: 4 Pages: 323-329 Published: APR 1994

Times Cited: 4 (from Web of Science) IF 2019: 1,755

56. Title: Vibramicine (doxycycline) determination as thiocyanate - chromium complex salts

Author(s): Ganescu, I; Chirigiu, L; Mureseanu, M

Source: REVISTA DE CHIMIE Volume: 44 Issue: 8 Pages: 757-761 Published: AUG 1993

Times Cited: 0 (from Web of Science) IF 2019: 1,7555

Factor de impact cumulat: 139.311

Factor de impact cumulat (50 articole): 133.185

2.2. Articole publicate în reviste internaționale indexate BDI

1. „Spectrophotometric study of the binary system Ru(III)-Solochrom violet RS and determination of Ru(III)”

M. Pleniceanu, M. Mureșeanu, I. Gănescu, O. Rusu
South. Braz.J.Chem., 8, 2000, 45-51.

2. „Novel artificial superoxide dismutase (SOD) based on CuII(Sal-Ala)/MgAILDH and CuII(Sal-Phen)/MgAILDH hybrids”

M. Mureșeanu, C. Băbeanu, L. Bibire, G. Cârjă
Int.J.Curr.Res.Chem.Pharma.Sci.1(7) (2014) 155-163.1

3. „Behavior of Cd accumulation in *Sinapis alba* L. in the presence of essential elements (Ca, Mg, Fe, Zn, Mn, Cu, Ni)”

Anda Gabriela Tenea, Gabriela Geanina Vasile, Cristina Dinu, Stefania Gheirghe, Luoana Florentina Pascu, Mihaela Mureseanu, Corina Ene
Reista de Chimie, 71(6), 2020, 378-379.

4. „ Matrix-type certified reference materials for quality control of metal determination from solid environmental and vegetation samples”

Anda Gabriela Tenea, Gabriela Geanina Vasile, Gina Alina Catrina, Mihaela Mureseanu
Romanian Journal of Ecology and Environmental Chemistry, Vol 2 (1), 2020, 21-27

2.3. Articole publicate în reviste din țară indexate BDI / recunoscute CNCSIS – categoria: B și B+

1. „The study of electrochemical behaviour of some osepines by cyclic voltametry”

I. Tănase, M. Mureșeanu, S. Florea, M. Buleandă
U.P.B.Sci.Bull., Series D, 63, 2001, 1-7.

2. „Spectrophotometric study of Ru(III)- 1,2,3-cyclohexanetrione-dioxime binary system. Spectrophotometric determination of Ru(III)”

M. Mureșeanu, I. Gănescu, M. Pleniceanu, O. Rusu
Anal. Univ „A.I. Cuza” Iași, seria Chimie, tomul VII, nr. 2, 1999, 256-262.

3. „Chrom(III) complex anions in the chemical analysis. Ruthenium determination as [Ru(rhodanine)₂][Cr(SCN)₄(aniline)₂”

I. Gănescu, M. Mureșeanu, O. Rusu, A. Popescu
Anal. Univ „A.I. Cuza” Iași, seria Chimie, tomul V, nr. 2, 1998, 36-42.

4. „Analytische Bestimmung des Erythromycins mit Hexathiocyanato-platinat (IV)”

I. Gănescu, M. Mureșeanu, I. Papa, A. Popescu
Anal.St. Univ. „A.I. Cuza” vol.IV, 1996, 77-85.

5. „Thiocyanato-chrom(III)-complexes with urotropine”

I. Gănescu, M. Mureșeanu, I. Papa, A. Popescu
Anal. Univ „A.I. Cuza” Iași, seria Chimie, tomul VII, nr. 2, 1999, 247-253.

6. „Laccase immobilized on silica supports - an efficient catalyst for polycyclic aromatic hydrocarbons oxidation”

M. Mureșeanu, I. Trandafir, N. Cioatera, G. Renard
Analele Univ. Craiova, seria Chimie, vol. XXXVIII (1), 2009, 10-15.

7. „Solid-Phase Extraction of Trace Cu(II) with Silica Gel Modified with a Schiff Base Ionophore”
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19th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE), Sibiu (Romania), 02-05 September, 2015

53. „Functionalized mesoporous silica nanoparticles as efficient supports for enzymes immobilization”
M. Filip, M. Ciobanu, M. Mureseanu, D. Culita, C. Munteanu, V. Parvulescu
11th International Symposium of Heterogeneous Catalysis, Varna (Bulgaria), 06-09 September, 2015

54. „Thermodynamic and kinetic studies of Cu(II) sorption onto an iminodiacetic acid chelating resin”
I. Bleotu, M. Mureseanu, S.-A. Dorneanu, E. Galca, P. Ilea
3th Central and Eastern European Conference on Thermal Analysis and Calorimetry, Ljubljana (Slovenia), 25-28 August, 2015

55. „Efficient allylic oxidation of olefin with H₂O₂ using copper salicylidene-amino acid Schiff bases anchored SBA-15 catalysts”
M. Mureseanu, I. Georgescu, G. Carja
The 11th International Symposium of the Romanian Catalysis Society (RomCat2016), Timisoara (Romania), 06-08 June, 2016

56. „Influence of ligands and support properties on functionalization of mesoporous silicas with Cu(II) Schiff base complexes”
M. Filip, I. Georgescu, M. Mureseanu, G. Munteanu, V. Parvulescu
The 11th International Symposium of the Romanian Catalysis Society (RomCat2016), Timisoara (Romania), 06-08 June, 2016

57. „Effect of the synthesis method on photocatalytic properties of CeTi-MCM-48 catalysts”
M. Mureseanu, M. Filip, G. Carja, V. Parvulescu
The 11th International Symposium of the Romanian Catalysis Society (RomCat2016), Timisoara (Romania), 06-08 June, 2016

58. „Self-supported nanoparticles of gallium and indium on ZnMeLDHs (Me:Al, Ga) and derived mixtures of mixed oxides for efficient photocatalysis under solar irradiation”
M. Mureseanu, E. F. Grosu, L. Dartu, V. Parvulescu, G. Carja
The 11th International Symposium of the Romanian Catalysis Society (RomCat2016), Timisoara (Romania), 06-08 June, 2016

59. „Mixed oxides derived from layered double hydroxides as novel catalysts for phenol photodegradation”
Puscasu, C. M.; Carja, G.; Mureseanu, M.; Zaharia C
5th International Conference on Modern Technologies in Industrial Engineering (ModTech) Location: Lucian Blaga Univ Sibiu, Sibiu, ROMANIA Date: JUN 14-17, 2017

60. „Photoelectrode materials with TiO₂-Fe₂O₃ nano-oxides for water treatment and energy generation”
V. Parvulescu, M. Ciobanu, S. Petrescu, E.M. Anghel, C. Hornoiu, C. Munteanu and M. Mureseanu
The 9th International Conference on Advanced Materials: ROCAM 2017, Bucharest, Romania, 11-14 July 2017

61. „Effect of synthesis conditions on photocatalytic activity and conductivity of Ti-modified Fe₂O₃ PEC anode materials”
M. Filip, M. Ciobanu, S. Petrescu, C. Hornoiu, M. Mureseanu and V. Parvulescu
The 9th International Conference on Advanced Materials: ROCAM 2017, Bucharest, Romania, 11-14 July 2017

62. „Photocatalytic activity of Fe modified CeO₂/TiO₂ oxide nanomaterials in degradation of organic pollutants from wastewaters”
V. Parvulescu, G. Petcu, T. Diaconu, D. Negoescu, D. Culiță, S. Petrescu, S. Preda and M. Mureseanu
The 9th International Conference on Advanced Materials: ROCAM 2017, Bucharest, Romania, 11-14 July 2017

63. "Mesoporous TiO₂ oxides templates by tri-block copolymer and modified with nano-sized CeO₂ as catalysts for photoenergy applications"
M. Mureseanu, G.Petcu, T.Diaconu, M.Ciobanu, I.Trandafir, G.Carja, V.Parvulescu
The 2nd International Workshop Advances on Photocatalysis-AdvPhotoCat-E 2017, Heraklion, Greece, 14-16 July 2017
64. " Composite of the self-assemblies of plasmonic nanoparticles-layered double hydroxides for efficient UV and solar-driven photocatalysis"
G.Carja, T.Radu, D.Gilea and M. Mureseanu
The 2nd International Workshop Advances on Photocatalysis-AdvPhotoCat-E 2017, Heraklion, Greece, 14-16 July 2017
65. "Green synthesis of LDH/g-C₃N₄/CuONP nanocomposites for high-performance photocatalysis and base catalysis"
M. Mureseanu, G. Carja, R.-D. Andrei, G. Ceoana, F. Papa, V. Parvulescu
EUROPACAT 2017, Florence, Italy, 27-31 August 2017
66. "Ti-doped Fe₂O₃ nanoparticles synthesized by hydrothermal treatment and their photocatalytic activity in organic compounds degradation"
V. Parvulescu, M. Filip, M. Ciobanu, E. M. Anghel, S. Petrescu, I. Trandafir, M. Mureseanu
EUROPACAT 2017, Florence, Italy, 27-31 August 2017
67. "Nanohybrid Copper (II) Schiff base complex immobilized into mesoporous silica as efficient biomimetic catalyst"
M. Mureseanu, C. Spinu, I. Bleotu, I. Trandafir, V. Parvulescu
8th World Congress on Oxidation Catalysis (2017), 3rd-8th September 2017 Krakow, Poland
68. "Influence of synthesis conditions on activity of PtCeTi-modified SBA-15 catalysts for oxidation of organic compounds"
M. Ciobanu, M. Mureseanu, M. Filip, S. Somacescu, F. Papa, G. Petcu, C. Munteanu, V. Parvulescu
8th World Congress on Oxidation Catalysis (2017), 3rd-8th September 2017 Krakow, Poland
69. " Rare earth effect on Ti-KIT6 photocatalytic performances in phenols degradation from aqueous solution"
M. Ciobanu, M. Mureseanu, D.Negoescu, G.Petcu, S.Petrescu, I.Trandafir, V. Parvulescu
8th World Congress on Oxidation Catalysis (2017), 3rd-8th September 2017 Krakow, Poland
70. "Cerium modified mesoporous titania with photocatalytic and photoelectrochemical properties"
M. Mureseanu, T.Diaconu, M.Ciobanu, G.Petcu, N.Cioatera, M.Ionica, V. Parvulescu
5th International School-Conference on Catalysis for Young Scientists "Catalyst Design: From Molecular to Industrial Level" 20-23 May, 2018 Moscow, Russia
71. "Synthesis dependent ceria-titania interaction and its effect on the performance of PtCeTi-SBA-15 catalysts in photodegradation of phenol from aqueous solution"
M. Ciobanu, M. Mureseanu, G. Petcu, A. Baran, S. Somacescu, F. Papa, V. Parvulescu
5th International School-Conference on Catalysis for Young Scientists "Catalyst Design: From Molecular to Industrial Level" 20-23 May, 2018 Moscow, Russia
72. „New electrodes based on mesoporous Ce-doped TiO₂ for simultaneous wastewater treatment and electricity generation"
V. Chivu, M. Mureseanu, T. Diaconu, M. Ciobanu, N. Cioatera, M. Ionica, V. Parvulescu
The 12 th International Symposium of the Romanian Catalysis Society (RomCat2019), Bucuresti (Romania), 05-07 June, 2019
73. „ FeTi- SBA-15 magnetic nanocomposites with photocatalytic properties"
M.Filip, G.Petcu, E.M.Anghel, S.Petrescu, S.Somacescu, N.Stanica, C.Munteanu, M.Mureseanu, V.Parvulescu
The 12 th International Symposium of the Romanian Catalysis Society (RomCat2019), Bucuresti (Romania), 05-07 June, 2019
- 74.„ Heterostructures of Ce-Ti/layered double hydroxides and derived MMOs for photoenergy applications"
V. Chivu, D.Gilea, N.Cioatera, G.Carja, M. Mureseanu,
3rd International Conference on Applied Surface Science , Pisa (Italy), 17-20 June 2019

75., Effect of Pb contaminated soil on germination and development of *Sinapis alba* sps.”

A.G.Tenea, G.G.Vasile, C.Dinu, M.Mureseanu,
3rd International Conference on Traditional Medicine, Phytochemistry and Medicinal Plants
(Online Meeting) November 2-4, 2021

5. Proiecte de cercetare pe baza de contract/grant obținute prin competiție

5.1. Proiecte de cercetare pe baza de contract/grant obținute prin competiție națională

1. „Sistem fotocatalitic integrat pentru decontaminarea apei și producerea de electricitate”
PN-III-P2-2.1-PED-2016-0473-director
2. „Materiale hibride obținute prin grefarea complexilor metalici pe suportți funcționalizați și aplicațiile lor în oxidări biomimetice”
CEEX 50/2006 – responsabil.
3. „Tehnologie integrată de evaluare și reducere a gradului de poluare cu substanțe anorganice din medii apoase”
Program Parteneriate PN-II 71.1-106/2007 – responsabil.
4. „Sistem încorporat pentru monitorizarea și controlul gradului de poluare cu substanțe anorganice a apelor reziduale”
Proiect de cercetare interdisciplinară, competiția granturi UCV 2013/2014 – responsabil.
5. „Catalizatori hibridi cu specii metalice oxo(peroxo) obținuți prin funcționalizarea silicei mezostructurate utilizați în oxidarea selectivă a hidrocarburilor nesaturate”
Grant al Academiei Române nr. 46/2005 – responsabil Viorica Pîrvulescu; membru în echipa de cercetare
6. „Studiul biochimic complex al modificărilor metabolice la stres hidric al soiurilor autohtone de grâu din Oltenia” Program Parteneriate PN-II 51024/2007 – director Cristina Băbeanu; membru în echipa de cercetare
7. „Self-Assemblies of Nanoparticles of Metal Oxides-Layered Double Hydroxides as Novel Formulations of Photocatalytic Applications”
PN-II-ID-PCE-2012-4-0057 – director prof. dr. ing. Gabriela Cârjă; membru în echipa de cercetare
8. „Sistem automat de monitorizare a parametrilor de securitate și ai calității mediului la obiectivele miniere închise”
MENER 2003-2005 – director dr. ing. Gabriel Vlăduț; membru în echipa de cercetare
9. „Sistem informatic destinat asistării deciziilor, monitorizării și analizei calitatii mediului”
MENER 2004-2006 – director dr. ing. Gabriel Vlăduț; membru în echipa de cercetare
10. „Sistem automat pentru optimizarea proceselor de analiză, testare, recirculare și deversare a apelor uzate în rețeaua de canalizare a orașelor”
MENER 2004-2006 – director dr. ing. Gabriel Vlăduț; membru în echipa de cercetare
11. „Sistem de prevenire a poluării mediului în unități industriale chimice situate în apropierea aglomerărilor urbane și zonelor transfrontaliere”
MENER 2003-2005 – director dr. ing. Gabriel Vlăduț; membru în echipa de cercetare

5.1. Proiecte de cercetare pe baza de contract/grant obținute prin competiție internațională

1. „Sinteza de materiale mezoporoase conținând biomolecule complexante pentru metale. Utilizarea acestor materiale pentru fixarea și reciclarea selectivă a metalelor conținute într-o soluție polimetalică”
Contract de cercetare ACI-Jeunes Chercheurs, finanțat de Ministère de la Recherche, Franța –director dr. Anne Galarnau; cercetător post-doctorat.

2. „Concepts to reduce environmental impact and attain optimal transport performance by inland navigation”

FP6/Stree – director dr. ing. Gabriel Vlăduț; membru în echipa de cercetare.

6. Brevete de invenție

1. COBALT OXIDE NANOPARTICLES ASSEMBLED WITH LAYERED DOUBLE HYDROXIDES, WITH APPLICATIONS IN CARBON DIOXIDE CAPTURE FROM WET GASES AND PHOTOCATALYTIC REDUCTION THEREOF

Patent Number: RO132424-A2

Patent Assignee: UNIV IASI TEHNICA ASACHI GHEORGHE

Inventor(s): CARJA G; DARIE M; MURESEANU M.

7. Aplicații - Resurse umane - Premiarea rezultatelor cercetării

15 articole premiate

8. Alte contribuții științifice

8.1. Citări / *h*-index

Web of Science: 761; *h*-index: 12

Scopus: 830; *h*-index: 13

Google Scholar: 994 ; *h*-index: 13

8.2. Referent la reviste de specialitate cotate ISI sau BDI

- 1) Journal of Environmental Management
- 2) Journal of Chemical Technology & Biotechnology
- 3) Chemical Papers
- 4) Separation Science and Technology
- 5) International Journal of Environmental Analytical Chemistry
- 6) Chemical Engineering Journal
- 7) Journal of Molecular Structure
- 8) Catalysis Communications
- 9) Catalysis Letters
- 10) IEEE Sensors Journal
- 11) Applied Organometallic Chemistry
- 12) Catalysis Today
- 13) Applied Surface Science
- 14) Journal of Environmental Engineering
- 15) IEEE Sensors Journal
- 16) Biomass Conversion and Biorefinery
- 17) Journal of Optoelectronics and Advanced Materials
- 18) Chemistry Journal of Moldova, General, Industrial and Ecological Chemistry
- 19) Dalton Transactions
- 20) New Journal of Chemistry
- 21) Environmental Engineering and Management Journal
- 22) Catalysis Science and Technology
- 23) Water Environment Research
- 24) Asian Journal of Chemical Sciences

8.3. Editor/Membru - Editorial Advisory Board

Data

Octombrie 2020

Semnătura

Prof. dr. Mureşeanu Mihaela