

**Списък на публикациите и учебните помагала
на гл. ас. д-р инж. Мария Атанасова Петрова
представени за участие в конкурса за “доцент”
4.2. Химически науки (Неорганична химия)**

Международни списания с импакт фактор

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18. M. Atanassova, *ADDUCT FORMATION CONSTANTS IN THE SYNERGISTIC SOLVENT EXTRACTION OF SEVERAL LANTHANIDS WITH TWO CHELATING EXTRACTANTS: β -DIKETONE AND BIDENTATE NITROGEN BASES*, **J. Chem. Eng. Data** 55 (2010) 5791-5796.
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Забележка: Списанието Chemistry има SJR (Scopus Journal Rank) за 2009 (0,036) за сравнение J. Chem. Educ. издавано от Am. Chem. Soc. SJR 0,041 (2009).

д-р Атанасова е съавтор и автор на 9 публикации (в списанията Sep. Purif. Technol.–2; Polyhedron–2; Acta Chim. Slov.–1; Sep. Sci. Technol.–1; J.Inclus. Phenom. Macrocycl. Chem.–1; Ind. Eng. Res.Chem.–1; Microchim. Acta.–1), които не са представени за участие в настоящия конкурс.

Глави от книги

Ivan Dukov, Maria Atanassova, HIGH MOLECULAR WEIGHT AMINES AND QUATERNARY AMMONIUM SALTS AS SYNERGISTIC AGENTS IN THE SOLVENT EXTRACTION OF METAL IONS WITH CHELATING EXTRACTANTS, **Chapter 7, In Handbook of Inorganic Chemistry Research**, Editors: Desiree A. Morrison 2010, Nova Science Publishers, Inc, ISBN 978-1-61668-010-7.

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1. M. Atanassova and I. Dukov, *Solvent extraction of lanthanoid(III) ions with ternary mixtures of 4-benzoyl-3-methyl-1-phenyl-2-pyrazolin-5-one, 1-(2-thienyl)-4,4,4-trifluoro-1,3-butanedione and the quaternary ammonium salt Aliquat 336*. 40th IUPAC Congress, Aug 14-19, 2005, Beijing, Session 6: Innovation in Methodology, Techniques, and Instrumentation in Analytical Chemistry, Aug 17, Wednesday, Reg.№ 5093, Paper № 6-P-073 (book of abstracts).
2. M. Atanassova, V. Lachkova, N. Vassilev, S. Varbanov, I. Dukov, *Effect of p-tert-butylcalix[4]arene fitted with phosphinoyl pendant arms as synergistic agent in the solvent extraction and separation of some trivalent lanthanoids with 4-benzoyl-3-methyl-1-phenyl-5-pyrazolone*. International Symposium on Organic Chemistry, December 9-12, 2006, Sofia, Bulgaria, p. 56 (book of abstracts).
3. M. Atanassova and I. Dukov, *Synergistic solvent extraction and separation of La(III), Eu(III) and Lu(III) with mixtures of chelating extractant and crown ethers*. Scientific Conference 115 years Inorganic Chemistry, New materials for industry, Sofia University "Св. Kliment Ohridski", 23 November 2004, ДОЗ, p.16 (book of abstracts).

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4. I. Dukov, M. Atanassova, S. Zhivkova, A. Lirkov, *Solvent extraction of lanthanoid(III) ions with ternary mixtures of 4-benzoyl-3-methyl-1-phenyl-2-pyrazoline, 1-(2-thienyl)-4,4,4-trifluoro-1,3-butanedione and the quaternary ammonium salt Aliquat 336*. Scientific Conference with international participations: 60 years Department "Inorganic Chemistry", UCTM, Sofia, 11 November 2005 (book of abstracts)

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5. M. Atanassova, *Synergistic solvent extraction of La(III), Eu(III) and Lu(III) with mixtures of 5,7-dibromo-8-hydroxyquinoline and crown ethers*. Scientific Conference with international participations: 60 years Department "Inorganic Chemistry", UCTM, Sofia, 11 November 2005 (book of abstracts).

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(устен доклад изнесен от д-р Атанасова)

Участие в международни конференции по обучение по химия

1. ECTN, 2006, Vienna.
2. ECTN, 2007, San Sebastian.
3. ECTN, 2008, Helsinki: ECEN (*устен доклад изнесен от д-р Атанасова*)
4. ECTN, 2009, Poznan.

Учебни помагала

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3. М. Атанасова, съавтор *Ръководство за лабораторни упражнения по неорганична химия*, изд. ХТМУ-София, 2006, 2008. ISBN-13: 978-954-8954-80-8.
4. Съавтор на EchemTest, ECTN. 120 авторски въпроса: General Chemistry level 1 (Database status: 394 questions – 30 topics) и level 2 (Database status: 531 questions – 30 topics) като всяко ниво си има три поднива на сложност (Easy, Intermediate и Advanced).
5. М.А.Петрова съавтор на глава 20(лантаноиди) и глава 21(актиноиди), И.Дуков, *Неорганична химия, Химия на елементите*, ЕсПринт, София 2007, 547 стр., ISBN: 978-954-91913-4-9.
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