

Списък на научни трудове и учебни помагала

Представени за защита на докторска степен

Публикации в списания с импакт фактор:

1. Veleva S., Valcheva E., Valchev I., Radeva G., Application of an Exponential Kinetic Equation to the Interaction of Optical Brighteners with Pulp, *Reaction Kinetics and Catalysis Letters*, 72 (2), 2001, 355-364.
2. Valcheva E, Veleva S, Radeva G, Valchev I., Enzyme action of the laccase-mediator system in the pulp delignification process, *Reaction Kinetics and Catalysis Letters.*, 2003. 78 ; 183-191.

Публикации в български специализирани списания:

3. Вълчев И., Радева Г., Вълчева Е., Гражданска Ц., Влияние на оптични избелители върху белотата на хартията и нейната реверсия, *Целулоза и хартия*, 1, 1999.

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9. G. Radeva, I. Valchev, S. Petrin, E. Valcheva, P. Tsekova, Kinetic model of enzymatic hydrolysis of steam–exploded wheat straw, *Carbohydrate Polymers*, 87(2), (2012), 1280-1285.
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11. G. Radeva, I. Valchev, S. Petrin, E. Valcheva, P. Tsekova, Comparative Kinetic Analysis of Enzyme Hydrolysis of Steam-Exploded Wheat Straw, *Cellulose Chem. Technol.*, 1-2, 2012, 61-67.

Публикации в международни специализирани списания:

12. G. Radeva, I. Valchev, S. Petrin, Kinetic Dependencies of Two-Stage Dilute Acid and Enzyme Hydrolysis of *Poulownia tomentosa*, *Chemistry and Chemical Engineering*, Vol 5, No11, 2011, 985-989.

Публикации на доклади в пълен текст изнесени на международни конференции:

13. G. Radeva, P. Bikov, I. Valchev, Kinetic model of cellulase treatment of pulp, *Italic 5: Science & Technology of Biomasses*, Proceeding book, Editors M. Orlandi and C. Crestini, p. 129-132, Sept 1-4, 2009, Varena (Como), Italy.
14. G. Radeva, I. Valchev, P. Tsekova, Kinetics of Enzyme Hydrolysis of Lignocellulosic Raw Materials, XXI TECNICELPA Conference and Exhibition / VI Congress CIADICYP, Editor TECNICELPA, P 75, 12-15 October, 2010– Lisbon, Portugal.
15. G. Radeva, I. Valchev, E. Valcheva, Effect of the Laccase-Mediator System on the

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17. P. Tsekova, S. Petrin, I. Valchev, S. Nenkova, V. Blyahovski, G. Radeva, Comparative consideration of the Pretreatment Methods Used in Bioethanol Production on the Basis of Wheat Straw and Maize Stalks, *Italic 6: Science &Technology of Biomasses*, Proceeding book, Editors M. Orlandi and C. Crestini, p. 311-314, Sept 5-8, 2011, Viterbo, Italy.
18. S. Petrin, P. Tsekova, I. Valchev, S. Nenkova, G. Radeva, Paulownia Biomass as a Promising Source of Reducing Sugars, *Italic 6: Science &Technology of Biomasses*, Proceeding book, Editors M. Orlandi and C. Crestini, p. 335-338, Sept 5-8, 2011, Viterbo, Italy.
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23. G. Radeva, R. Boeva, P. Hinkov and E. Hinkov, Thermal Ageing of Different Kinds of Fiber Materials: A Kinetic Study, *J Univ Chem Tech Met*, 47(1), 2012, 37-42.

Доклади изнесени на международни конференции (публикувани абстракти).

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21. П. Грънчарова, С. Петрин, Г. Радева, И. Вълчев, Кинетика на ензимната хидролиза на паровзривно обработена *PaulowniaTomentosa* до глюкоза, IX Научна постерна сесия на ХТМУ, 18 май 2012, София, България.

Учебници и учебни пособия:

1. „Ръководство за упражнения по физикохимия на немски език” –

Автори: доц. Едуард Клайн, и гл. ас. Грета Радева