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## Analysis of Ti nanolayers irradiated with Xeq+ ions using synchrotron radiation based X-ray reflectometry **[1]**

R. Stachura, D. Bana?, A. Kubala-Kuku?, I. Stabrawa, P. Jagodzi?ski, K. Szary, A. Foks, J. Braziewicz, J. Semaniak, M. Pajek, G. Aquilanti, I. Boži?evi? Mihali?, M. Teodorczyk

Nuclear Instruments and Methods in Physics Research Section B 536 (2023), 126-131;

DOI: 10.1016/j.nimb.2023.01.006

J?zyk Polski

- Czytaj dalej wpis Analysis of Ti nanolayers irradiated with Xeq+ ions using synchrotron radiation based X-ray reflectometry [1]

## Energy deposition and formation of nanostructures in the interaction of highly charged xenon ions with gold nanolayers **[2]**

I. Stabrawa, D. Bana?, A. Kubala-Kuku?, ?. Jab?o?ski, P. Jagodzi?ski, D. Sobota, K. Szary, M. Pajek, K. Skrzypiec, E. Mendyk, M. Borysiewicz, M.D. Majki?, N.N. Nedeljkovi?

Vacuum 210 (2023), 111860;

DOI: 10.1016/j.vacuum.2023.111860

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- Czytaj dalej wpis Energy deposition and formation of nanostructures in the interaction of highly charged xenon ions with gold nanolayers [2]

## Modification of gold and titanium nanolayers using slow highly charged Xeq+ ions **[3]**

I. Stabrawa, D. Bana?, A. Kubala-Kuku?, K. Szary, J. Braziewicz, J. Czub, ?. Jab?o?ski, P. Jagodzi?ski, D. Sobota, M. Pajek, K. Skrzypiec, E. Mendyk, M. Teodorczyk
*Modification of gold and titanium nanolayers using slow highly charged Xeq+ ions*
Nuclear Instruments and Methods in Physics Research Section B Volume 408 (2017), 235-240;
doi.org/10.1016/j.nimb.2017.05.001

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- Czytaj dalej wpis Modification of gold and titanium nanolayers using slow highly charged Xeq+ ions [3]

## Effect of temperature on acid treatment of halloysite adsorbent for efficient

## removal of chloroanilines from an aqueous solution **[4]**

Beata Szczepanik, Piotr M. S?omkiewicz, Magdalena Garnuszek, Pawe? Rogala, Dariusz Bana?, Aldona Kubala-Kuku?, Ilona Stabrawa
*Effect of temperature on acid treatment of halloysite adsorbent for efficient removal of chloroanilines from an aqueous solution*
Clays and Clay Minerals in Press (2017); doi.org/10.1346/CCMN.2017.064056

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- Czytaj dalej wpis Effect of temperature on acid treatment of halloysite adsorbent for efficient removal of chloroanilines from an aqueous solution [4]

## Synthesis, characterization and photocatalytic activity of TiO2-halloysite and Fe2O3-halloysite nanocomposites for photodegradation of chloroanilines in water **[5]**

Beata Szczepanik, Pawe? Rogala, Piotr M. S?omkiewicz, Dariusz Bana?, Aldona Kubala-Kuku?, Ilona Stabrawa
*Synthesis, characterization and photocatalytic activity of TiO2-halloysite and Fe2O3-halloysite nanocomposites for photodegradation of chloroanilines in water*
Applied Clay Science in Press (2017); doi.org/10.1016/j.clay.2017.08.016

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- Czytaj dalej wpis Synthesis, characterization and photocatalytic activity of TiO2-halloysite and Fe2O3-halloysite nanocomposites for photodegradation of chloroanilines in water [5]

## Application of TXRF and XRPD techniques for analysis of elemental and chemical composition of human kidney stones **[6]**

A.Kubala-Kuku?, M. Arabski, I. Stabrawa, D. Bana?, W. Ró?a?ski, M. Lipi?ski, U. Majewska, J. Wudarczyk-Mo?ko, J. Braziewicz, M. Pajek, S.Gó?d?

*Application of TXRF and XRPD techniques for analysis of elemental and chemical composition of human kidney stones*

X-Ray Spectrometry 46 (2017) 412-420; doi: 10.1002/xrs.2778

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- Czytaj dalej wpis Application of TXRF and XRPD techniques for analysis of elemental and chemical composition of human kidney stones [6]

## Investigation of gold nanofilms properties using X-ray reflectometry and spectroscopic ellipsometry methods **[7]**

I.Stabrawa, D. Bana?, A. Kubala-Kuku?, J. Braziewicz, M. Pajek, U. Majewska, K. Dworecki, J. Wudarczyk- Mo?ko and S. Gó?d?

*Investigation of gold nanofilms properties using X-ray reflectometry and spectroscopic ellipsometry methods*

**Acta Physica Polonica part A 129 (2016), 233-236**

J?zyk Polski

- Czytaj dalej wpis Investigation of gold nanofilms properties using X-ray reflectometry and spectroscopic ellipsometry methods [7]

## Determination of element levels in human serum: Total Reflection X-ray Fluorescence applications **[8]**

U. Majewska, P. ?y?wa, K. ?y?wa, D. Bana?, A. Kubala-Kuku?, J. Wudarczyk-Mo?ko, I. Stabrawa, J. Braziewicz, M. Pajek, G. Antczak, B. Borkowska, St. Gó?d?

*Determination of element levels in human serum: Total Reflection X-ray Fluorescence applications*

**Spectrochimica Acta B 122 (2016) 56-61**

http://dx.doi.org/10.1016/j.sab.2016.05.001 [9]

J?zyk Polski

- Czytaj dalej wpis Determination of element levels in human serum: Total Reflection X-ray Fluorescence applications [8]

## Determination of lead at physiological level in human biological materials using the total reflection X-ray fluorescence analysis **[10]**

A.Kubala-Kuku?, D. Bana?, J. Braziewicz, U. Majewska, M. Pajek, I. Stabrawa, J. Wudarczyk-Mo?ko, S.Gó?d?

*Determination of lead at physiological level in human biological materials using the total reflection X-ray fluorescence analysis*

**X-Ray Spectrometry 45 (2016) 318-324**

http://onlinelibrary.wiley.com/doi/10.1002/xrs.2707/pdf [11]

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- Czytaj dalej wpis Determination of lead at physiological level in human biological materials using the total reflection X-ray fluorescence analysis [10]

## Dosimetry in radiobiological studies with the heavy ion beam of the Warsaw cyclotron **[12]**

U. Ka?mierczak, D. Bana?, J. Braziewicz, J. Czub, M. Jaskó?a, A. Korman, M. Kruszewski, A. Lankoff, H. Lisowska, A. Malinowska, T. St?pkowski, Z. Szefli?ski, M. Wojewódzka
*Dosimetry in radiobiological studies with the heavy ion beam of the Warsaw cyclotron*
**Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials**

**and Atom 365 (2015) 404–408**

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- Czytaj dalej wpis Dosimetry in radiobiological studies with the heavy ion beam of the Warsaw cyclotron [12]

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- 2 [13]
- nast?pna › [13]
- ostatnia » [13]



**Links**
[1] https://onkol.kielce.pl/pl/nauka/analysis-ti-nanolayers-irradiated-xeq-ions-using-synchrotron-radiation-based-x-ray [2] https://onkol.kielce.pl/pl/nauka/energy-deposition-and-formation-nanostructures-interaction-highly-charged-xenon-ions-gold [3] https://onkol.kielce.pl/pl/nauka/modification-gold-and-titanium-nanolayers-using-slow-highly-charged-xeq-ions [4] https://onkol.kielce.pl/pl/nauka/effect-temperature-acid-treatment-halloysite-adsorbent-efficient-removal-chloroanilines [5] https://onkol.kielce.pl/pl/nauka/synthesis-characterization-and-photocatalytic-activity-tio2-halloysite-and-fe2o3-halloysite [6] https://onkol.kielce.pl/pl/nauka/application-txrf-and-xrpd-techniques-analysis-elemental-and-chemical-composition-human-kidney [7] https://onkol.kielce.pl/pl/nauka/investigation-gold-nanofilms-properties-using-x-ray-reflectometry-and-spectroscopic [8] https://onkol.kielce.pl/pl/nauka/determination-element-levels-human-serum-total-reflection-x-ray-fluorescence-applications [9] http://dx.doi.org/10.1016/j.sab.2016.05.001 [10] https://onkol.kielce.pl/pl/nauka/determination-lead-physiological-level-human-biological-materials-using-total-reflection-x-ray [11] http://onlinelibrary.wiley.com/doi/10.1002/xrs.2707/pdf [12] https://onkol.kielce.pl/pl/nauka/dosimetry-radiobiological-studies-heavy-ion-beam-warsaw-cyclotron [13] https://onkol.kielce.pl/pl/publikacje-naukowe-kategorie/zaklad-metod-fizycznych?page=1