

Publications

Conference materials

2019

Koteja, A., Matusik, J. (2019) Photoactive hybrid nanomaterials derived from layered minerals. W: ICYG 2019: International Conference of Young Geologists: April 3-5 2019, Herl'any, 45-47.

Rybka, K., Matusik, J. (2019) Mg/Al LDH formation via transformation of minerals through the $AlCl_3$ hydrolysis. W: ICYG 2019: International Conference of Young Geologists: April 3-5 2019, Herl'any, 97-98.

Maziarz, P., Matusik, J. (2019) Enhanced removal efficiency of Pb(II) and Cd(II) by kaolin impregnated with zerovalent iron particles. W: ICYG 2019: International Conference of Young Geologists: April 3-5 2019, Herl'any, 64-66.

Maziarz, P., Matusik, J. (2019) Halloysite-supported iron oxide particles for As(V) removal: adsorption mechanism investigation by the XPS and Mössbauer spectroscopy. W: ECMS 2019 [Dokument elektroniczny]: European Conference on Mineralogy and Spectroscopy:[September 11–13, 2019, Prague, Czech Republic], 29.

Rybka, K., Matusik, J. (2019) The effect of M(II)/M(III) molar ratio on the LDH structure derived from chemicals and minerals: a spectroscopic study using FTIR, Raman and XPS. W: ECMS 2019 [Dokument elektroniczny]: European Conference on Mineralogy and Spectroscopy:[September 11–13, 2019, Prague, Czech Republic], 36.

Rybka, K., Matusik, J. (2019) Physico-chemical studies of Mg/Fe and Mg/Al Layered Double Hydroxides obtained via transformation of minerals. W: EUROCLAY 2019 [Dokument elektroniczny] : International Conference on Clay Science and Technology: July 2019, Paris :book of abstracts, 540.

Matusik, J., Rybka, K., Maziarz, P., Hyla, J., Kuzdro, J., Tobała, B. (2019) Halloysite-LDH heterostructured materials: performance in removal of selected anions from aqueous solutions. W: EUROCLAY 2019 [Dokument elektroniczny] : International Conference on Clay Science and Technology: July 2019, Paris :book of abstracts, 428.

Maziarz, P., Matusik, J. (2019) Effectiveness of As(V) removal from wastewaters by layered double hydroxides impregnated with Fe oxide. W: EUROCLAY 2019 [Dokument elektroniczny] : International Conference on Clay Science and Technology: July 2019, Paris :book of abstracts, 430.

Rybka, K., Matusik, J. (2019) Characterization of hydrotalcite/pyroaurite-like anion adsorbents derived from magnesite and dolomite. W: Sorbenty mineralne 2019: surowce, energetyka, ochrona środowiska, nowoczesne technologie. [abstrakty z konferencji: 16–17 września 2019, Jerzmanowice] / red. nauk. Tomasz Bajda. — Kraków: Wydawnictwo Naukowe AKAPIT, 2019. — ISBN: 978-83-65955-37-1, 57–58.

Maziarz, P., Matusik, J. (2019) Enhanced sulphate removal by precipitation and adsorption using $\text{Ca}(\text{OH})_2$ and synthetic layered double hydroxide: acid mine drainage case study. W: Sorbenty mineralne 2019: surowce, energetyka, ochrona środowiska, nowoczesne technologie. [abstrakty z konferencji: 16–17 września 2019, Jerzmanowice] / red. nauk. Tomasz Bajda. — Kraków: Wydawnictwo Naukowe AKAPIT, 2019. — ISBN: 978-83-65955-37-1, 48-49.

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Rybka, K., Matusik, J. (2018) Synthesis of Mg–Fe layered double hydroxides from minerals and their sorption affinity towards Cr(VI). III international conference on Applied mineralogy & advanced materials: MMS 2018 Minerals & Materials Sciences : bridging materials & minerals sciences: Bari, Italy, July, 24–26, 2018. ISSN 2464-9147, s. 77.

Maziarz, P., Matusik, J. (2018) The structural stability of Mg–Al LDH impregnated with iron oxide particles used for As(V) removal. III international conference on Applied mineralogy & advanced materials: MMS 2018 Minerals & Materials Sciences : bridging materials & minerals sciences: Bari, Italy, July, 24–26, 2018. ISSN 2464-9147, s. 58.

Koteja, A., Matusik, J. (2018) Photoresponsive behavior of α -zirconium phosphate functionalized with azobenzenes. III international conference on Applied mineralogy & advanced materials: MMS 2018 Minerals & Materials Sciences : bridging materials & minerals sciences: Bari, Italy, July, 24–26, 2018. ISSN 2464-9147, s. 45.

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Koteja, A., Góra, K., Łepko, A., Biskup, I., Matusik, J. (2018) Photoactivity of organically modified layered minerals. Herl'any 2017: International conference of young geologists, Dobczyce n. Kraków. Wydawnictwo Mineralogiczne MINERALPRESS, cop. 2018. — ISBN: 978-83-933330-1-1, s. 32-33.

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Koteja, A., Matusik, J. (2018) Monitoring the azobenzene isomerization in layered intercalation compounds using the infrared spectroscopy. 55th annual meeting The Clay Minerals Society, University of Illinois at Urbana-Champaign (Illinois, USA) June 11-14, 2018, s. 136.

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Matusik, J., Hyla, J. (2018) Removal of chromates and arsenates by halloysite-LDH composites. 9th Mid-European Clay Conference: Zagreb, September 17–21, 2018, ISBN 978-953-6923-39-7, s. 77.

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Łepko, A., Biskup, I., Koteja, A., Matusik, J. (2017) Insight into the structure of kaolinite and layered zirconium phosphate intercalated with photoactive molecules. W: ICC 2017: XVI International Clay Conference: Granada, Spain, July, 17–21, 2017, Vol. 7, ISSN 2464-9147, ISBN: 978-88-7522-089-1. s. 472.

Matusik, J., Koteja, A., Łepko, A. (2017) The synthesis approach for the intercalation of photoactive molecules into kaolinite and layered zirconium phosphate. W: Living clays : The 54th Annual Clay Minerals Society conference: from nano-scale interactions to incorporation in everyday life : June 2–7, 2017, Edmonton, Alberta Canada, s. 13-14.

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