

## Publications of Dr. János KRISTÓF

1. **J. Kristóf, J. Inczédy, J. Paulik and F. Paulik:**  
A Simple Device for Continuous and Selective Detection of Water Vapour Evolved During Thermal Decomposition Reactions.  
*Journal of Thermal Analysis*, **15**, 151-157 (1979). If.: 0.506
2. **Kristóf J., Inczédy J., Paulik J. és Paulik F.:**  
Termoanalitikai vizsgálatok során felszabaduló vízgőz folyamatos, szelektív meghatározására alkalmas detektor vizsgálata.  
*Magyar Kémiai Folyóirat*, **85**, 380-382 (1979). If.: 0.322
3. **J. Kristóf and J. Inczédy:**  
Application of Water Detector in Thermal Analysis of Soils.  
*Journal of Thermal Analysis*, **18**, 111-115 (1980). If.: 0.478
4. **J. Kristóf and J. Inczédy:**  
Application of Continuous and Selective Water Detector for Quantitative Measurements. Determination of the Water Content of Anion-exchange Resins.  
*Journal of Thermal Analysis*, **19**, 51-59 (1980). If.: 0.478
5. **J. Papp, J. Kristóf and J. Inczédy:**  
Thermoanalytical Studies on the Decomposition of Papermaking Pulps Using Continuous Selective Water Detector.  
*Cellulose Chemistry and Technology*, **15**, 589-595 (1981).
6. **J. Kristóf, G. Gárdos and Á. Rédey:**  
Thermoanalytical Investigations on Ion-Exchanged Y-Zeolites.  
*Journal of Thermal Analysis*, **22**, 123-128 (1981). If.: 0.625
7. **G. Gárdos, J. Kristóf, L. Péchy and Á. Rédey:**  
Activity Investigation on Ion-Exchanged Zeolites.  
*Hungarian Journal of Industrial Chemistry*, **9**, 21-26 (1981). If.: 0.012
8. **J. Kristóf, J. Inczédy, J. Paulik and F. Paulik:**  
Application of a Continuous and Selective Water Detector in Thermoanalytical Investigations.  
*Thermochimica Acta*, **56**, 285-290 (1982). If.: 0.835
9. **G. Gárdos, J. Kristóf, L. Péchy and Á. Rédey:**  
The Effect of Rare Earth Metal Content of Ion-Exchanged Y-Zeolite on Catalytic Activity.  
*Hungarian Journal of Industrial Chemistry*, **10**, 251-256 (1982). If.: 0.025
10. **J. Hlavay, J. Kristóf, J. Borszéki, F. László and P. Literáthy:**  
Investigations on Bottom Sediments of Hungarian Rivers and Reservoirs. Determination of Mineralogical Compositions by Instrumental Analytical Methods.  
*Water Research*, **17**, 327-332 (1983). If.: 1.454
11. **J. Kristóf and G.G. Guilbault:**  
Application of Uncoated Piezoelectric Crystals for the Detection of an Organic Phosphonate.  
*Analytica Chimica Acta*, **149**, 337-341 (1983). If.: 1.677
12. **G. Gárdos, Á. Rédey, M. Kovács and J. Kristóf:**  
The Activity Change of the H(NH<sub>4</sub>)La-FAU-Y Zeolite with the Time in the Alkylating Reaction of Isobutane.  
*Hungarian Journal of Industrial Chemistry*, **11**, 403-408 (1983). If.: 0.030
13. **G. Gárdos, Á. Rédey, M. Kovács and J. Kristóf:**  
Study on Alkylate Composition.  
*Hungarian Journal of Industrial Chemistry*, **11**, 409-415 (1983). If.: 0.030
14. **G. Gárdos, Á. Rédey and J. Kristóf:**  
The Catalytic Activity of Ion-Exchanged FAU, Y-Zeolite in the Alkylating Reaction of Isobutane.  
*Proc. 5<sup>th</sup> International Symposium on Heterogeneous Catalysis*, Varna, Bulgaria, Part I. 477-451 (1983).
15. **Gárdos Gy., Kristóf J., Péchy L. és Rédey Á.:**  
A ritkaföldfém tartalom hatása ioncserélt Y-zeolit katalizátor aktivitására.  
*Magyar Kémikusok Lapja*, **39(6)**, 263-265 (1984).

16. G. Gárdos, Á. de Jonge, F. Halmos, **J. Kristóf** and Á. Rédey:  
Investigation of Y-FAU-Zeolites Containing Rare Earth Cations.  
*Hungarian Journal of Industrial Chemistry*, **12**, 281-286 (1984). If.: 0.047
17. G.G. Guilbault, **J. Kristóf** and D. Owen:  
Detection of Organophosphorus Compounds with a Coated Piezoelectric Crystal.  
*Analytical Chemistry*, **57**, 1754-1756 (1985). If.: 3.405
18. **J. Kristóf**, I. Vassányi, E. Nemezc and J. Inczédy:  
Study of the Dehydroxylation of Clay Minerals Using Continuous Selective Water Detector.  
*Thermochimica Acta*, **95**, 625-628 (1985). If.: 0.729
19. **J. Kristóf** and J. Inczédy: Continuous and Selective Determination of H<sub>2</sub>O and CO Evolved  
During Thermal Decomposition Reactions.  
*Proc. Journées de Calorimétrie d'Analyse Thermique '86*, Ferrara, Italy, 84-87 (1986).
20. G. Lodi, A. De Battisti, A. Benedetti, G. Fagherazzi and **J. Kristóf**:  
Formation of Iridium Metal in Thermally Prepared Iridium Dioxide Coatings.  
*Journal of Electroanalytical Chemistry*, **256**, 441-445 (1988). If.: 2.286
21. F. Paulik, J. Paulik, M. Arnold, J. Inczédy, **J. Kristóf** and A. Langier-Kuzniarowa:  
Simultaneous TG, DTG, DTA and EGA Examination of Argillaceous Rocks. Part I.  
*Journal of Thermal Analysis*, **35**, 1849-1860 (1989). If.: 0.302
22. A. Langier-Kuzniarowa, J. Inczédy, **J. Kristóf**, F. Paulik, J. Paulik and M. Arnold:  
Simultaneous TG, DTG, DTA and EGA Examination of Argillaceous Rocks. Part II.  
*Journal of Thermal Analysis*, **36**, 67-84 (1990). If.: 0.315
23. **J. Kristóf**, A. Horváth and P. Szabó:  
Simultaneous Thermoanalytical Investigations on the Rapid Decomposition of  
Pentamminecobalt(III) Complexes.  
*Journal of Thermal Analysis*, **36**, 1191-1204, (1990). If.: 0.315
24. **J. Kristóf**, J. Inczédy and G. Mohácsi:  
Continuous Determination of Carbon Monoxide Evolved During Thermal Decomposition  
Reactions.  
*Journal of Thermal Analysis*, **36**, 1401-1409, (1990). If.: 0.315
25. A. Horváth and **J. Kristóf**:  
Thermoanalytical Investigations on the Decomposition of Transition Metal Oxalate Complexes  
Using Selective CO, CO<sub>2</sub> and H<sub>2</sub>O Monitors.  
*Journal of Thermal Analysis*, **36**, 1471-1480 (1990). If.: 0.315
26. **J. Kristóf**, J. Inczédy, J. Paulik and F. Paulik:  
Continuous and Selective Determination of Water Vapour Evolved During Thermal  
Decomposition Reactions.  
*Journal of Thermal Analysis*, **37**, 111-120, (1991). If.: 0.210
27. **J. Kristóf**, J. Liszi, P. Szabó, A. Barbieri and A. De Battisti:  
Thermoanalytical Investigation on the Formation of IrO<sub>2</sub>-based Mixed Oxide Coating.  
*Journal of Applied Electrochemistry*, **23**, 615-624 (1993). If.: 1.003
28. H. Moselhy, G. Pokol, F. Paulik, M. Arnold, **J. Kristóf**, K. Tomor, S. Gál and E. Pungor:  
Aluminium Sulphate Hydrates. Thermal Decomposition and Preparation of Different  
Crystalline Hydrate Phases at Elevated Temperatures.  
*Journal of Thermal Analysis*, **39**, 595-606 (1993). If.: 0.382
29. **J. Kristóf**, J. Liszi, A. De Battisti, G. Battaglin and A. Barbieri:  
Thermoanalytical Investigation on the Formation of Mixed Oxide Coatings Based on  
Ruthenium Oxide and Iridium Oxide.  
*Proc. 3<sup>rd</sup> Meeting on Syntheses and Methodologies in Inorganic Chemistry: New Compounds and  
Materials*,  
Bressanone(BZ), Italy, Vol.3, 295-300 (1993).
30. **J. Kristóf**, J. Mink, E. Horváth and Cs. Németh:  
Emission FTIR Studies on the Formation of Ruthenium-based Electrocatalytic Thin Films.  
*in 9<sup>th</sup> International Conference on Fourier Transform Spectroscopy*,  
John E. Bertie, Hal Wieser, Editors, Proc. SPIE 2089, 408-409 (1993).

31. **J. Kristóf**, J. Mink, E. Horváth and M. Gábor:  
Intercalation Study of Clay Minerals by Fourier Transform Infrared Spectrometry.  
*Vibrational Spectroscopy*, **5**, 61-67 (1993). If.: 1.100
32. **J. Kristóf** and J. Inczédy:  
Determination of Carbon Dioxide Evolved During Thermal Decomposition Reactions.  
*Journal of Thermal Analysis*, **40**, 993-998 (1993). If.: 0.382
33. **J. Kristóf**, J. Liszi, A. De Battisti, A. Barbieri and P. Szabó:  
Thermoanalytical Investigation of the Formation of RuO<sub>2</sub>-based Mixed-Oxide Electrodes.  
*Materials Chemistry and Physics*, **37**, 23-28 (1994). If.: 0.561
34. **J. Kristóf**:  
A Piezoelectric Crystal Detector for Continuous Monitoring of Water Evolved During  
Thermal Decomposition Reactions.  
*Talanta*, **41**, 1083-1087 (1994). If.: 1.167
35. **J. Kristóf**, J. Mink, A. De Battisti and J. Liszi:  
Emission FTIR Studies on the Formation Mechanism of IrO<sub>2</sub>/TiO<sub>2</sub> Based Coatings.  
*Electrochimica Acta*, **39**, 1531-1535 (1994). If.: 1.481
36. J. Mink and **J. Kristóf**:  
FTIR Emission and FT-Raman Spectroscopy of Electrode Coatings.  
*Egyptian Journal of Analytical Chemistry*, **3**, 39-47 (1994). If.: -
37. S. Daolio, B. Facchin, C. Pagura, A. De Battisti and **J. Kristóf**:  
Characterization of RuO<sub>2</sub>-based Film Electrodes by Secondary Ion Mass Spectrometry.  
*Journal of Materials Chemistry*, **4**, 1255-1258 (1994). If.: 1.524
38. M. Gábor, M. Tóth, **J. Kristóf** and G. Komáromy-Hiller:  
Thermal Behaviour and Decomposition of Intercalated Kaolinite.  
*Clays and Clay Minerals*, **43**, 223-228 (1995). If.: 1.127
39. A. De Battisti, G. Battaglin, A. Benedetti, **J. Kristóf** and J. Liszi:  
Preparation and Characterization of Mixed-Oxide Electrocatalysts Based on RuO<sub>2</sub> and IrO<sub>2</sub>.  
*Chimia*, **49**, 17-22 (1995). If.: 0.517
40. J. Mink, **J. Kristóf**, A. De Battisti, S. Daolio and Cs. Németh:  
Investigation on the Formation of RuO<sub>2</sub>-based Mixed Oxide Coatings by Spectroscopic  
Methods.  
*Surface Science*, **335**, 252-257 (1995). If.: 2.851
41. J. Mink, E. Horváth, **J. Kristóf**, T. Gál and T. Veress:  
Direct Analysis of Thin-Layer Chromatographic Spots of Narcotics by Means of Diffuse  
Reflectance Fourier Transform Infrared Spectroscopy.  
*Mikrochimica Acta*, **119**, 129-135 (1995). If.: 0.836
42. G. Keresztury, J. Mink and **J. Kristóf**:  
Quantitative Aspects of FT-IR Emission Spectroscopy and Simulation of Emission-Absorption  
Spectra.  
*Analytical Chemistry*, **67**, 3782-3787 (1995). If.: 4.509
43. **J. Kristóf**, S. Daolio, C. Piccirillo, B. Facchin and C. Pagura:  
Secondary Ion Mass Spectrometric Studies on the Formation Mechanism of IrO<sub>2</sub>/TiO<sub>2</sub>  
Based Coatings.  
*Rapid Communications in Mass Spectrometry*, **9**, 1475-1479 (1995). If.: 2.515
44. S. Daolio, **J. Kristóf**, C. Piccirillo, B. Facchin and C. Pagura:  
Secondary Ion Mass Spectrometric Studies on the Formation of the Valve Metal Oxide in  
Ruthenium- and Iridium-based Mixed Oxide Electrodes.  
*International Journal of Mass Spectrometry and Ion Processes*, **152** 87-96 (1996)  
If.: 1.909
45. S. Daolio, **J. Kristóf**, C. Piccirillo, C. Pagura and A. De Battisti:  
Investigation on the Formation of RuO<sub>2</sub>-Based Mixed Oxide Coatings by Secondary Ion  
Mass Spectrometry.  
*Journal of Materials Chemistry*, **6**, 567-571 (1996). If.: 0.792

46. **J. Kristóf**, S. Daolio, C. Piccirillo, B. Facchin and J. Mink:  
Investigation on the Formation of RuO<sub>2</sub> Film Electrode by Secondary Ion Mass Spectrometry.  
*Surface Science*, **348**, 287-298 (1996). If.: 2.783
47. C. Piccirillo, S. Daolio, S. Gelosi, C. Pagura, B. Facchin and **J. Kristóf**:  
SIMS Characterization of Noble Metal-based Thin Film Electrodes.  
*Materials Science Forum*, **236**, 625-630 (1997). If.: -
48. S. Daolio, **J. Kristóf**, C. Piccirillo, S. Gelosi, B. Facchin and C. Pagura:  
Study of ZrO<sub>2</sub> Film Evolution by Secondary Ion Mass Spectrometry.  
*Rapid Communications in Mass Spectrometry*, **10**, 1769-1773 (1996). If.: 2.273
49. S. Daolio, **J. Kristóf**, J. Mink, A. De Battisti, J. Mihály and C. Piccirillo:  
Secondary Ion Mass Spectrometric Studies on the Formation Mechanism of IrO<sub>2</sub>/ZrO<sub>2</sub>-Based  
Electrocatalytic Thin Films.  
*Rapid Communications in Mass Spectrometry*, **10**, 1881-1886 (1996). If.: 2.273
50. J. Mihály, **J. Kristóf**, J. Mink, L. Nanni, D. Patracchini and A. De Battisti:  
Study of ZrO<sub>2</sub> Coatings by Thermoanalytical and Fourier Spectroscopic Methods.  
*Mikrochimica Acta*, **14**, 617-619 (1997). If.: 1.087
51. **J. Kristóf**, R.L. Frost, A. Felinger and J. Mink:  
FT-IR Spectroscopic Studies of Intercalated Kaolinites.  
*Journal of Molecular Structure*, **410-411**, 119-122 (1997). If.: 0.884
52. R.L. Frost, T.H. Tran and **J. Kristóf**:  
FT-Raman Spectroscopy of the Lattice Region of Kaolinites and Its Intercalates.  
*Vibrational Spectroscopy*, **13**, 175-186 (1997). If.: 1.147
53. C. Piccirillo, S. Daolio, **J. Kristóf**, J. Mihály, B. Facchin and C. Pagura:  
The Influence of the Support Material on the Formation of Electrocatalytic Thin Films –  
a Secondary Ion Mass Spectrometry Study.  
*International Journal of Mass Spectrometry and Ion Mass Processes*,  
**161**, 141-149 (1997). If.: 1.601
54. **J. Kristóf**, J. Mihály, S. Daolio, A. De Battisti, L. Nanni and C. Piccirillo:  
Hydrolytic Reactions in Hydrated Iridium Chloride Coatings.  
*Journal of Electroanalytical Chemistry*, **434**, 99-104 (1997). If.: 1.590
55. R.L. Frost, T.H. Tran and **J. Kristóf**:  
Intercalation of an Ordered Kaolinite - A Raman Microscopy Study.  
*Clay Minerals*, **32**, 587-596 (1997). If.: 0.640
56. E. Horváth, J. Mink and **J. Kristóf**:  
Surface Enhanced Raman Spectroscopy as a Technique for Drug Analysis.  
*Mikrochimica Acta (Suppl.)*, **14**, 745-746 (1997). If.: 1.087
57. R.L. Frost and **J. Kristóf**:  
Intercalation of Halloysite - a Raman Spectroscopic Study.  
*Clays and Clay Minerals*, **45**, 551-563 (1997). If.: 1.206
58. **J. Kristóf**, M. Tóth, M. Gábor, P. Szabó and R.L. Forst:  
Study of the Structure and Thermal Behaviour of Intercalated Kaolinite.  
*Journal of Thermal Analysis* **49**, 1441-1448 (1997). If.: 0.322
59. R.L. Frost, T.H. Tran and **J. Kristóf**:  
The Structure of Intercalated Kaolinite - A Raman and Infrared Spectroscopic Study.  
*Proc. 11<sup>th</sup> International Clay Conference*, 397-401 (1997).
60. R.L. Frost, T.H. Tran, L. Rintoul and **J. Kristóf**:  
The Raman Microscopy of Dickite, Kaolinite and Their Intercalates.  
*Analyst*, **123**, 611-616 (1998). If.: 1.843
61. R.L. Frost, **J. Kristóf** and T.H. Tran:  
Kinetics of Deintercalation of Potassium Acetate from Kaolinite - A Raman Spectroscopic Study.  
*Clay Minerals*, **33**, 605-617 (1998). If.: 1.126
62. R.L. Frost, G.N. Paroz, T.H. Tran and **J. Kristóf**:  
FT-Raman and FTIR Spectroscopy of Intercalated Kaolinites.  
*Fourier Transform Spectroscopy: 11<sup>th</sup> International Conference*, J.A. de Haseth (ed.),  
The American Institute of Physics, **CP430**, 681-684 (1998).

63. R.L. Frost, **J. Kristóf**, G.N. Paroz and J.T. Kloprogge:  
Molecular Structure of Dimethyl Sulfoxide Intercalated Kaolinites.  
*Journal of Physical Chemistry B*, **102**, 8519-8532 (1998). If.: 2.385
64. J. Mink, G. Keresztury, **J. Kristóf** and J. Mihály:  
FT-IR and FT-Raman Study of Surfaces and Thin Layers. Interfacial Science in Ceramic Joining  
by A. Bellosi, T. Kosmac, A.P. Tomsia (ed.),  
*NATO ASI Series*, **3/58**, 233-245 (1998).
65. **J. Kristóf**, R.L. Frost, E. Horváth, L. Kocsis and J. Inczédy:  
Thermoanalytical Investigations on Intercalated Kaolinites.  
*Journal of Thermal Analysis and Calorimetry*, **53**, 467-475 (1998). If.: 0.655
66. R.L. Frost, **J. Kristóf**, J.T. Kloprogge and T.H. Tran:  
The Effect of Pressure on the Intercalation of an Ordered Kaolinite.  
*American Mineralogist*, **83**, 1182-1187 (1998). If.: 2.124
67. R.L. Frost, W. Forsling, A. Holmgren, J.T. Kloprogge and **J. Kristóf**:  
Raman Spectroscopy at Temperatures Between 298 and 423 K and at 77 K of Kaolinites  
Intercalated with Formamide.  
*Journal of Raman Spectroscopy*, **29**, 1065-1069 (1998). If.: 1.176
68. E. Horváth, J. Gajári, **J. Kristóf**, L. Kocsis and Á. Rédey:  
Monitoring of Enzyme Catalytic Reaction by FT-Raman Spectroscopy.  
*Analytica Chimica Acta*, **370**, 191-197 (1998). If.: 1.692
69. R.L. Frost, **J. Kristóf**, G.N. Paroz, T.H. Tran and J.T. Kloprogge:  
The Role of Water in the Intercalation of Kaolinite with Potassium Acetate.  
*Journal of Colloid and Interface Science*, **204**, 227-236 (1998). If.: 1.679
70. R.L. Frost, **J. Kristóf**, G.N. Paroz and J.T. Kloprogge:  
The Role of Water in the Intercalation of Kaolinite with Hydrazine.  
*Journal of Colloid and Interface Science*, **208**, 216-225 (1998). If.: 1.679
71. R.L. Frost, **J. Kristóf**, G.N. Paroz and J.T. Kloprogge:  
Modification of the Kaolinite Hydroxyl Surfaces through Intercalation with Potassium  
Acetate under Pressure.  
*Journal of Colloid and Interface Science*, **208**, 478-486 (1998). If.: 1.679
72. **J. Kristóf**, S. Daolio, A. De Battisti, C. Piccirillo, J. Mihály and E. Horváth:  
Investigations on the formation of RuO<sub>2</sub>/ZrO<sub>2</sub> based electrocatalytic thin films by surface  
analysis techniques.  
*Langmuir*, **15**, 1498-1502 (1999). If.: 2.937
73. R.L. Frost, J.T. Kloprogge, **J. Kristóf** and E. Horváth:  
Deintercalation of Hydrazine Intercalated low Defect Kaolinite.  
*Clays and Clay Minerals*, **47**, 732-741 (1999). If.: 1.411
74. R.L. Frost, **J. Kristóf**, G.N. Paroz and J.T. Kloprogge:  
Intercalation of Kaolinite with Acetamide.  
*Physics and Chemistry of Minerals*, **26**, 257-263 (1999). If.: 1.399
75. R.L. Frost, **J. Kristóf**, E. Horváth and J. T. Kloprogge:  
Modification of Kaolinite Surfaces with Caesium Acetate at 25, 120 and 220 °C.  
*Langmuir*, **15**, 8787-8794 (1999). If.: 2.937
76. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Kloprogge:  
Modification of Kaolinite Surfaces through Intercalation with Potassium Acetate,  
Part II.  
*Journal of Colloid and Interface Science*, **214**, 109-117 (1999). If.: 1.614
77. R.L. Frost, **J. Kristóf**, and J.T. Kloprogge:  
Modification of Kaolinite Hydroxyl Surfaces Through the Application of Pressure and  
Temperature. Part III.  
*Journal of Colloid and Interface Science*, **214**, 380-388 (1999). If.: 1.614
78. L. Kocsis, E. Horváth, **J. Kristóf**, R.L. Frost, Á. Rédey and J. Mink:  
Effect of the Preparation Conditions on the Surface Enhanced  
Raman Spectrometric Identification of Thin Layer Chromatographic Spots.  
*Journal of Chromatography A*, **845**, 197-202 (1999). If.: 2.520

79. **J. Kristóf**, R.L. Frost, J.T. Klopogge, E. Horváth and M. Gábor:  
Thermal Behaviour of Kaolinite Intercalated with Formamide, Dimethylsulphoxide and Hydrazine.  
*Journal of Thermal Analysis*, **56**, 885-891 (1999). If.: 0.607
80. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Deintercalation of Dimethylsulphoxide Intercalated Kaolinites - a DTA/TGA and Raman Spectroscopic Study.  
*Thermochimica Acta*, **327**, 155-166 (1999). If.: 0.887
81. R.L. Frost, **J. Kristóf** and J.T. Klopogge:  
Complex Expansion of Kaolinite with Hydrazine: Some Preliminary Observations.  
*Neues Jahrbuch für Mineralogie, Monatshefte*, **2**, 49-61 (1999). If.: 0.121
82. J.T. Klopogge, R.L. Frost and **J. Kristóf**:  
Application of Infrared Emission Spectroscopic Study for the Dehydroxylation of Synthetic Paragonite.  
*Canadian Journal of Analytical Sciences and Spectroscopy*, **44**, 33-36 (1999). If.: 0.633
83. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Molecular Structure of Dimethyl Sulphoxide in DMSO-intercalated Kaolinites at 298 and 77 K.  
*The Journal of Physical Chemistry A*, **103**, 9654-9660 (1999). If.: 2.695
84. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Kaolinite Hydroxyls in Dimethylsulphoxide Intercalated Kaolinites at 77K – A Raman Spectroscopic Study.  
*Clay Minerals*, **35**, 443-454 (2000). If.: 1.090
85. E. Horváth, Gy. Kátai, E. Tyihák, **J. Kristóf** and Á. Rédey:  
Critical Evaluation of Experimental Conditions Influencing the Surface-Enhanced Raman Spectroscopic Detection of Substances Separated by Layer Liquid Chromatographic Techniques.  
*Chromatographia*, **51**, 297-301 (2000). If.: 1.741
86. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Vibrational Spectroscopy of Formamide-intercalated Kaolinites.  
*Spectrochimica Acta A*, **56**, 1191-1204 (2000). If.: 1.012
87. R.L. Frost, **J. Kristóf**, É. Makó and J.T. Klopogge:  
Modification of the Hydroxyl Surfaces in Potassium Acetate-intercalated Kaolinites Between 25 and 300°C  
*Langmuir*, **16**, 7421-7428 (2000). If.: 2.937
88. R.L. Frost, **J. Kristóf**, J.T. Klopogge and E. Horváth:  
Rehydration of Potassium Acetate-intercalated Kaolinite at 298 K.  
*Langmuir*, **16**, 5402-5408 (2000). If.: 2.937
89. R.L. Frost, **J. Kristóf**, É. Makó and J.T. Klopogge:  
Modification of the Hydroxyl Surfaces in Potassium Acetate-intercalated Halloysite Between 25 and 300°C  
*American Mineralogist*, **85**, 1735-1743 (2000). If.: 1.842
90. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Effect of Water on the Formamide-intercalation of Kaolinite.  
*Spectrochimica Acta A*, **56**, 1711-1729 (2000). If.: 1.012
91. E. Horváth, **J. Kristóf**, R.L. Frost, L. Rintoul, Á. Rédey and W. Forsling:  
Investigation of Mandelic Acid Bonding on Pirkle Type Chromatographic Stationary Phases by Raman Spectroscopy.  
*Journal of Chromatography A*, **893**, 37-46 (2000). If.: 2.520
92. R.L. Frost, **J. Kristóf**, L. Rintoul and J.T. Klopogge:  
Raman spectroscopy of Urea and Urea-intercalated Kaolinites at 77 K.  
*Spectrochimica Acta A*, **56**, 1681-1691 (2000). If.: 1.012
93. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Rehydration and Phase Changes of Potassium Acetate-intercalated Halloysite at 298 K.  
*Journal of Colloid and Interface Science*, **226**, 318-327 (2000). If.: 1.614

94. R.L. Frost, J. Kristóf and J.T. Klopogge:  
New phases of Kaolinite Expanded with Potassium Acetate -A XRD and Raman Study.  
*Proceedings of the 1<sup>st</sup> Latin American Clay Conference*, 292-305 (2000).
95. **J. Kristóf**, E. Horváth, R.L. Frost and J.T. Klopogge:  
Thermoanalytical Investigation of Formamide-Intercalated Kaolinites under Quasi-isothermal Conditions.  
*Journal of Thermal Analysis and Calorimetry*, 63, 279-289 (2001). If.: 0.545
96. **J. Kristóf**, A. De Battisti, G. Keresztury, E. Horváth and T. Szilágyi:  
Investigation of Ta<sub>2</sub>O<sub>5</sub> Thin Film Evolution.  
*Langmuir*, 17, 1637-1640 (2001). If.: 2.963
97. R.L. Frost, **J. Kristóf**, J.M. Schmidt and J.T. Klopogge:  
Raman Spectroscopy of Potassium Acetate-intercalated Kaolinites at Liquid Nitrogen Temperature.  
*Spectrochimica Acta A*, 57, 603-609 (2001). If.: 0.838
98. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Raman Spectroscopy of Potassium Acetate-intercalated Kaolinites Over the Temperature Range 25 to 300°C.  
*Journal of Raman Spectroscopy*, 32(4), 271-277 (2001) If.: 1.316
99. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Separation of Adsorbed Formamide and Intercalated Formamide Using Controlled Rate Thermal Analysis Methodology.  
*Langmuir*, 17(11), 3216-3222 (2001). If.: 2.963
100. R.L. Frost, O.B. Locos, **J. Kristóf** and J.T. Klopogge:  
Infrared Spectroscopic Study of Potassium and Cesium Acetate-intercalated Kaolinites.  
*Vibrational Spectroscopy*, 26(1), 33-42 (2001) If.: 1.167
101. R.L. Frost, **J. Kristóf**, J.T. Klopogge and E. Horváth:  
Modification of the Hydroxyl Surface of Cesium Acetate-intercalated Kaolinite.  
*Langmuir*, 17(13), 4067-4073 (2001) If.: 2.963
102. R.L. Frost, É. Makó, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Modification of Kaolinite Surfaces by Mechanochemical Treatment.  
*Langmuir*, 17(16), 4731-4738, (2001) If.: 2.963
103. R.L. Frost, É. Makó, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Mechanochemical Treatment of Kaolinite.  
*Journal of Colloid and Interface Science*, 239(2), 458-466 (2001) If.: 1.530
104. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
The Modification of Hydroxyl Surfaces of Formamide-intercalated Kaolinites Synthesized by Controlled-rate Thermal Analysis.  
*Journal of Colloid and Interface Science*, 239(1), 126-133 (2001) If.: 1.530
105. R.L. Frost, **J. Kristóf**, E. Horváth and J.T. Klopogge:  
Raman Microscopy of Formamide-intercalated Kaolinites Treated by Controlled-rate Thermal Analysis Technology.  
*Journal of Raman Spectroscopy*, 32, 873-880 (2001). If.: 1.316
106. É. Makó, R.L. Frost, **J. Kristóf** and E. Horváth:  
The Effect of the Quartz Content on the Mechanochemical Activation of Kaolinite.  
*Journal of Colloid and Interface Science*, 244, 359-364 (2001) If.: 1.530
107. W.N. Martens, Z. Ding, R.L. Frost, **J. Kristóf** and J.T. Klopogge:  
Raman Spectroscopy of Hydrazine-intercalated Kaolinite at 77, 298, 323, 343 and 358K.  
*Journal of Raman Spectroscopy*, 33, 31-36 (2002). If.: 0.895
108. R.L. Frost, **J. Kristóf**, J.T. Klopogge and E. Horváth:  
Deintercalation of Hydrazine-Intercalated Kaolinite in Dry and Moist Air.  
*Journal of Colloid and Interface Science*, 246(1), 164-174 (2002). If.: 1.466
109. **J. Kristóf**, R.L. Frost, W.N. Martens, E. Horváth:  
Separation of Adsorbed and Intercalated Hydrazine in Hydrazine-hydrate Intercalated Kaolinite by Controlled-rate Thermal Analysis.  
*Langmuir*, 18(4), 1244-1249 (2002). If.: 3.248

110. W. N. Martens, R.L. Frost, **J. Kristóf**, and J.T. Klopogge:  
Raman Spectroscopy of Dimethyl Sulphoxide and Deuterated Dimethyl Sulphoxide at 298 and 77K.  
*Journal of Raman Spectroscopy*, **33**, 84-91 (2002). If.: 0.895
111. **J. Kristóf**, J.T. Klopogge, R.L. Frost, E. Horváth and É. Makó:  
Detection of Four Different OH-groups in Ground Kaolinite with Controlled-rate Thermal Analysis.  
*Journal of Thermal Analysis and Calorimetry*, **69**, 77-83 (2002) If.: 0.598
112. W.N. Martens, R.L. Frost, **J. Kristóf** and E. Horváth:  
Modification of Kaolinite Surfaces through Intercalation with Deuterated Dimethyl-Sulphoxide.  
*Journal of Physical Chemistry B*, **106(16)**, 4162-4171 (2002). If.: 3.611
113. R.L. Frost, **J. Kristóf**, É. Makó and W.N. Martens:  
Modification of the Hydroxyl Surface of Kaolinite Through Mechanochemical Treatment Followed by Intercalation with Potassium Acetate.  
*Langmuir*, **18(17)**, 6491-6498 (2002) If.: 3.248
114. R. L. Frost, J. T. Klopogge and **J. Kristóf**:  
Raman and Infrared Spectroscopic Study of the Modification of Kaolinite Surfaces by Intercalation with Organic Molecules.  
In: A. Hubbard (Ed.): *Encyclopedia of Surfaces and Colloid Science*, Marcel Dekker, Inc., Santa Barbara, California (USA) 2002, p. 4338-4452.
115. J. T. Klopogge, **J. Kristóf** and R. L. Frost:  
Thermogravimetric Analysis-Mass Spectrometry (TGA-MS) of Hydrotalcites Containing  $\text{CO}_3^-$ ,  $\text{NO}_3^-$ ,  $\text{Cl}^-$ ,  $\text{SO}_4^{2-}$ , or  $\text{ClO}_4^-$  Ions".  
*Proceedings of the 12<sup>th</sup> International Clay Conference*, Bahia Blanca, Argentina, July 22-28, 2001.
116. R. L. Frost, **J. Kristóf**, E. Horváth, W. N. Martens and J. T. Klopogge:  
Complexity of Intercalation of Hydrazine into Kaolinite - A Controlled Rate Thermal Analysis and DRIFT Spectroscopic Study.  
*Journal of Colloid and Interface Science*, **251**, 350-359 (2002). If.: 1.466
117. **J. Kristóf** and R. L. Frost:  
Termoanalitikai és spektroszkópiai módszerek alkalmazásának új lehetőségei az agyagásvány kutatásban.  
*Magyar Kémikusok Lapja*, **57(10)**, 375-377 (2002). If.: -
118. L. Kótai, K. K. Banerji, I. Sajó, **J. Kristóf**, B. Sreedhar, S. Holly, G. Keresztury and A. Rockenbauer:  
An Unprecedented-Type Intramolecular Redox Reaction of Solid Tetraammine-copper(2+) Bis(permanganate) ( $[\text{Cu}(\text{NH}_3)_4](\text{MnO}_4)_2$ ) - A Low-Temperature Synthesis of Copper Dimanganese Tetraoxide-Type ( $\text{CuMn}_2\text{O}_4$ ) Nanocrystalline Catalyst Precursors.  
*Helvetica Chimica Acta*, **85**, 2316-2327 (2002). If.: 1.949
119. R. L. Frost, É. Makó, **J. Kristóf** and J. T. Klopogge:  
Modification of Kaolinite Surfaces through Mechanochemical Treatment -a mid-IR and near-IR Spectroscopic study.  
*Spectrochimica Acta A*, **58**, 2849-2859 (2002). If.: 1.046
120. E. Horváth, **J. Kristóf**, R. L. Frost, Á. Rédey, V. Vágvölgyi and T. Cseh:  
Hydrazine-Hydrate Intercalated Halloysite under Controlled-Rate Thermal Analysis Conditions.  
*Journal of Thermal Analysis and Calorimetry*, **71**, 707-714 (2003). If.: 1.094
121. R. L. Frost, **J. Kristóf**, É. Makó and E. Horváth:  
A DRIFT Spectroscopic Study of Potassium Acetate Intercalated Mechanochemically Activated Kaolinite.  
*Spectrochimica Acta A*, **59**, 1183-1194 (2003). If.: 1.315
122. E. Horváth, R. L. Frost, É. Makó, **J. Kristóf** and T. Cseh:  
Thermal Treatment of Mechanochemically Activated Kaolinite.  
*Thermochimica Acta*, **404**, 227-234 (2003). If.: 0.956



123. R. L. Frost, E. Horváth, É. Makó, **J. Kristóf** and T. Cseh:  
The effect of Mechanochemical Activation upon the Intercalation of a High-Defect Kaolinite with formamide.  
*Journal of Colloid and Interface Science*, **265**, 386-395 (2003). If.: 1.582
124. R. L. Frost, E. Horváth, É. Makó, **J. Kristóf** and Á. Rédey:  
Slow Transformation of Mechanochemically Dehydroxylated Kaolinite to Kaolinite - an Aged Mechanochemically Activated Formide-intercalated Kaolinite Study.  
*Thermochimica Acta*, **408**, 103-113 (2003). If: 0.956
125. R. L. Frost, E. Horváth, É. Makó and **J. Kristóf**:  
Modification of Low- and High-Defect Kaolinite Surfaces: Implication for Kaolinite Mineral Processing.  
*Journal of Colloid and Interface Science*, **270**, 337-346 (2004) If.: 1.784
126. **J. Kristóf**, T. Szilágyi, E. Horváth, A. De Battisti R.L. Frost and Á. Rédey:  
Investigation of IrO<sub>2</sub>/Ta<sub>2</sub>O<sub>5</sub> Thin Film Evolution.  
*Thermochimica Acta*, **413**, 93-99, 2004. If.: 1.161
127. E. Horváth, **J. Kristóf**, R. L. Frost, N. Heider and V. Vágvolgyi:  
Investigation of IrO<sub>2</sub>/SnO<sub>2</sub> Thin Film Evolution by Thermoanalytical and Spectroscopic Methods.  
*Journal of Thermal Analysis and Calorimetry*, **78**, 687-695, 2004. If.: 1.478
128. R. Frost and **J. Kristóf**:  
Raman and Infrared Spectroscopic Studies of Kaolinite Surfaces Modified by Intercalation.  
*Interface Science and Technology*, Vol 1 (Clay Surfaces – Fundamentals and Applications), 184-215. Eds.: F. Wypych and K. G. Satyanarayana, Elsevier-Acadamic Press, 2004.
129. E. Horváth, **J. Kristóf**, H. Nasser, R. L. Frost, Á. Rédey and A. De Battisti:  
Investigation of SnO<sub>2</sub> Thin Film Evolution by Thermoanalytical and Spectroscopic Methods.  
*Applied Surface Science*, **242**, 13-20, 2005. If.: 1.263
130. O. Carmody, **J. Kristóf**, R. L. Frost, É. Makó, J. T. Kloprogge and S. Kokot:  
A Spectroscopic Study of Mechanochemically Activated Kaolinite with the Aid of Chemometrics.  
*Journal of Colloid and Interface Science*, **287**, 43-56, 2005. If.: 2.023
131. R. L. Frost, **J. Kristóf**, M. L. Weier, W. N. Martens and E. Horváth:  
Thermal Decomposition of Metatorbernite - a Controlled Rate Thermal Analysis Study.  
*Journal of Thermal Analysis and Calorimetry*, **79**, 721-725, 2005. If.: 1.425
132. **J. Kristóf**, T. Szilágyi, E. Horváth and R.L. Frost:  
Investigation of RuO<sub>2</sub>/Ta<sub>2</sub>O<sub>5</sub> Thin Film Evolution by Thermogravimetry Combined with Mass Spectrometry.  
*Thin Solid Films*, **485**, 90-94, 2005. If.: 1.569
133. E. Horváth, **J. Kristóf**, R. L. Frost, E. Jakab, É. Makó and V. Vágvolgyi:  
Identification of Super-Active Centers in Thermally Treated Formamide-Intercalated Kaolinites.  
*Journal of Colloid and Interface Science*, **289**, 132-138, 2005. If.: 2.023
134. R. L. Frost, M. L. Weier, W. N. Martens, J. T. Kloprogge and **J. Kristóf**:  
Thermo-Raman Spectroscopic Study of the Uranium Mineral Sabugalite.  
*Journal of Raman Spectroscopy*, **36**, 797-805, 2005. If.: 1.884
135. É. Makó, Zs. Senkár, **J. Kristóf** and V. Vágvolgyi:  
Surface Modification of Mechanochemically Activated Kaolinites by Selective Leaching.  
*Journal of Colloid and Interface Science*, **294**, 362-370, 2006. If.: 2.233
136. R. L. Frost, **J. Kristóf**, W. N. Martens, M. L. Weier and E. Horváth:  
Thermal Decomposition of Sabugalite – a controlled rate thermal analysis study.  
*Journal of Thermal Analysis and Calorimetry*, **83**, 675-679, 2006. If.: 1.438
137. E. Horváth, **J. Kristóf**, L. Vázquez-Gómez, Á. Rédey and V. Vágvolgyi:  
Investigation of RuO<sub>2</sub>-IrO<sub>2</sub>-SnO<sub>2</sub> Thin Film Evolution – a Thermoanalytical and Spectroscopic Study.  
*Journal of Thermal Analysis and Calorimetry*, **86**, 141-146, 2006. If.: 1.438

138. L. Vázquez-Gómez, E. Horváth, **J. Kristóf**, Á. Rédey and A. De Battisti: Investigation of IrO<sub>2</sub>-SnO<sub>2</sub> Thin Film Evolution from Aqueous Media. *Applied Surface Science*, **253**, 1178-1184, 2006. If.: 1.436
139. L. Vázquez-Gómez, E. Horváth, **J. Kristóf** and A. De Battisti: Investigation of RuO<sub>2</sub>-SnO<sub>2</sub> Thin Film Formation by Thermogravimetry-Mass Spectrometry and Infrared Emission Spectroscopy. *Thin Solid Films*, **515**, 1819-1824, 2006. If.: 1.666
140. O. Carmody, R. L. Frost, **J. Kristóf**, S. Kokot, J. T. Klopogge and É. Makó: Modification of Kaolinite Surfaces through Mechanochemical Activation with Quartz: A Diffuse Reflectance Infrared Fourier Transform and Chemometrics Study. *Applied Spectroscopy*, **60**, 1414-1422, 2006. If.: 1.879
141. **J. Kristóf**, E. Horváth, V. Vágvolgyi and A. De Battisti: In Situ Thermoanalytical Studies on Mixed Oxide Thin Film Evolution. *Proceedings of the 1st Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 30-31 May, 2007, Sopron, Hungary. pp. 19-23.* If.: -
142. V. Vágvolgyi, **J. Kristóf**, E. Horváth and J. Kovács: Surface Acidity and Reactivity Investigation of Mechanochemically Activated Kaolinite. *Proceedings of the 1st Czech-Hungarian-Polish-Slovakian Thermoanalytical Conference, 30-31 May, 2007, Sopron, Hungary. pp. 49-52.* If.: -
143. V. Vágvolgyi, J. Kovács, E. Horváth, **J. Kristóf** and É. Makó: Investigation of mechanochemically modified kaolinite surfaces by thermoanalytical and spectroscopic methods. *Journal of Colloid and Interface Science*, **317**, 523-529, 2008. If.: 2.443
144. V. Vágvolgyi, S. J. Palmer, **J. Kristóf**, R. L. Frost, E. Horváth: Mechanism for hydrotalcite decomposition: a controlled rate thermal analysis study. *Journal of Colloid and Interface Science*, **318**, 302-308, 2008. If.: 2.443
145. V. Vágvolgyi, L.M. Daniel, **J. Kristóf**, R. L. Frost and E. Horváth: Dynamic and controlled rate thermal analysis of attapulgite. *Journal of Thermal Analysis and Calorimetry*, **92**, 589-594, 2008. If.: 1.630
146. V. Vágvolgyi, R.L. Frost, M. Hales, A. Locke, **J. Kristóf** and E. Horváth: Controlled rate thermal analysis of hydromagnesite. *Journal of Thermal Analysis and Calorimetry*, **92**, 893-897, 2008. If.: 1.630
147. V. Vágvolgyi, M. Hales, W. Martens, **J. Kristóf**, E. Horváth and R. L. Frost: Dynamic and controlled rate thermal analysis of hydrozincite and smithsonite. *Journal of Thermal Analysis and Calorimetry*, **92**, 911-916, 2008. If.: 1.630
148. Y. Zhao, R. L. Frost, V. Vágvolgyi, E. R. Waclawik, **J. Kristóf** and E. Horváth: XRD, TEM and thermal analysis of yttrium doped boehmite nanofibres and nanosheets. *Journal of Thermal Analysis and Calorimetry*, **94**, 219-226, 2008. If.: 1.630
149. V. Vágvolgyi, A. Locke, M. Hales, **J. Kristóf**, R. L. Frost, E. Horváth and W. N. Martens: Mechanism for decomposition of aurichalcite – a controlled rate thermal analysis study. *Thermochimica Acta*, **468**, 81-86, 2008. If.: 1.659
150. V. Vágvolgyi, M. Hales, R.L. Frost, **J. Kristóf** and E. Horváth: Conventional and controlled rate thermal analysis of nesquehonite Mg(HCO<sub>3</sub>)(OH)·2H<sub>2</sub>O. *Journal of Thermal Analysis and Calorimetry*, **94**, 523-528, 2008. If.: 1.630
151. I.E. Sajó, L. Kótai, G. Keresztury, I. Gács, Gy. Pokol, **J. Kristóf**, B. Soptrayanov, V.M. Petrushevski, D. Timpu and P.K. Sharma: Studies on the Chemistry of Tetraamminezinc(II) Dipermanganate ([Zn(NH<sub>3</sub>)<sub>4</sub>](MnO<sub>4</sub>)<sub>2</sub>): Low-Temperature Synthesis of the Manganese Zinc Oxide (ZnMn<sub>2</sub>O<sub>4</sub>) Catalyst Precursor. *Helvetica Chimica Acta*, **91**, 1646-1658, 2008. If.: 1.515
152. Kristóf J., Horváth E., Vágvolgyi V.: Kaolinit nanokomplexek rezgési spektroszkópiai analízise. 51. Magyar Spektrokémiai Vándorgyűlés, Nyíregyháza, 2008. június 30-július 2. p. 38-41.
153. V. Khunová, I. Kelnar, **J. Kristóf** : Application of polymer nanocomposites in automotive: the present state and perspectives. *Chem. Listy*, **99**, 1234-2345, 2008.

154. S.J. Parker, V. Vágvölgyi, **J. Kristóf**, E. Horváth and R.L. Frost:  
Thermal decomposition of hydrotalcite with hexacyanoferrate (II) and hexacyanoferrate(III) anions in the interlayer – a controlled rate thermal analysis study.  
*Journal of Thermal Analysis and Calorimetry*, **96(2)**, 449-454, 2009 If.: 1.587
155. É. Makó, **J. Kristóf**, E. Horváth and V. Vágvölgyi:  
Kaolinite-urea complexes obtained by mechanochemical and aqueous suspension technics- a comparative study.  
*Journal of Colloid and Interface Science*, **330**, 367-373, 2009. If.: 3.019
156. Y. Zhao, J. Yang, R.L. Frost, **J. Kristóf** and E. Horváth:  
Synthesis, characterization and thermal analysis of Fe-doped boehmite nanofibres and nanosheets.  
*Journal of Materials Science*, **44**, 3662-3673, 2009 If.: 1.471
157. R. L. Frost, **J. Kristóf** and E. Horváth:  
Controlled rate thermal analysis of sepiolite.  
*Journal of Thermal Analysis and Calorimetry*, **98(2)**, 423-428, 2009 If.: 1.587
158. R. L. Frost, S. J. Palmer, **J. Kristóf** and E. Horváth:  
Dynamic and Controlled Rate Thermal Analysis of Halotrichite.  
*Journal of Thermal Analysis and Calorimetry*, **99(2)**, 501-507, 2010. If.: 1.752
159. **J. Kristóf**, R. L. Frost, S. L. Palmer, E. Horváth and E. Jakab:  
Thermoanalytical studies on natural potassium, sodium and ammonium alunites.  
*Journal of Thermal Analysis and Calorimetry*, **100(3)**, 961-966, 2010. If.: 1.752
160. R. L. Frost, **J. Kristóf** and E. Horváth:  
Thermoanalytical Studies of silver and lead jarosites and their solid solutions.  
*Journal of Thermal Analysis and Calorimetry*, **101(1)**, 73-79, 2010. If.: 1.752
161. E. Horváth, **J. Kristóf** and R.L. Frost:  
Vibrational spectroscopy of intercalated kaolinites. Part I.  
*Applied Spectroscopy reviews*, **45(2)**, 130-147, 2010. If.: 3.686
162. E. Horváth, **J. Kristóf**, R. Kurdi, É. Makó, V. Khunová:  
Study of urea intercalation into halloysite by thermoanalytical and spectroscopic techniques.  
*Journal of Thermal Analysis and Calorimetry*, **105(1)**, 53-59, 2011. If.: 1.604
163. V. Khunová, **J. Kristóf** and J. Kozánková:  
Polypropylene nanocomposites based on halloysite and montmorillonite: the effect of dimaleinimide reactive modifiers on structure and properties.  
*Chem. Listy*, 105, s233-s416, 2011. If.: -
164. Y. Park, G. A. Ayoko, **J. Kristóf**, E. Horváth and R. L. Frost:  
A thermoanalytical assessment of an organoclay.  
*Journal of Thermal Analysis and Calorimetry*, **107(3)**, 1137-1142, 2012. If.: 1.604
165. Y. Park, G. A. Ayoko, **J. Kristóf**, E. Horváth and R. L. Frost:  
Thermal stability of organoclays with mono- and di-cationic surfactants:  
*Journal of Thermal Analysis and Calorimetry*, **110(3)**, 1087-1093, 2012. If.: 1.604
166. L. Kótai, I. E. Sajó, E. Jakab, G. Keresztury, Cs. Németh, I. Gács, A. Menyhárd, **J. Kristóf**, L. Hajba, V. M. Petrushevski, V. Ivanovski, D. Timpu and P. K. Sharma:  
Studies on the chemistry of  $[\text{Cd}(\text{NH}_3)_4](\text{MnO}_4)_2$ . A low temperature synthesis route of the  $\text{CdMn}_2\text{O}_{4+x}$  type  $\text{NO}_x$  and  $\text{CH}_3\text{SH}$  sensors.  
*Zeitschrift für Anorganische und Allgemeine Chemie*, **638(1)**, 177-186, 2012. If.: 1.249
167. A. M. Hosseini, A. Tungler, Z. Schay, S. Szabó, **J. Kristóf**, É. Széles and L. Szentmiklósi:  
Comparison of precious metal oxide/titanium monolith catalysts in wet oxidation of wastewaters.  
*Applied Catalysis B: Environmental*, **127**, 99-104, 2012. If.: 5.625
168. J. Yang, Q. Tao, R.L. Frost, **J. Kristóf** and E. Horváth:  
Studies on self-assembly hydrothermal fabrication and thermal stability of chromium oxyhydroxide nanomaterials synthesised from chromium oxide colloids via a soft-chemistry route.  
*Journal of Thermal Analysis and Calorimetry*, **111(1)**, 329-334, 2013. If.: 2.206

169. Y. Park, G. A. Ayoko, E. Horváth, R. Kurdi, J. Kristóf and R. L. Frost:  
Structural characterisation and environmental application of organoclays for the removal  
of phenolic compounds.  
*Journal of Colloid and Interface Science*, **393(1)**, 319-334, 2013. If.: 3.552
170. V. Khunova, **J. Kristóf**, I. Kelnar and J. Dybal:  
The effect of halloysite modification combined with in situ matrix modifications on the  
structure and properties of polypropylene/halloysite nanocomposites.  
*eXPRESS Polymer letters*, **7(5)**, 471-479, 2013. If.: 2.953
171. Y. Park, G. A. Ayoko, R. Kurdi, E. Horváth, **J. Kristóf** and R. L. Frost:  
Adsorption of phenolic compounds by organoclays: Implications for the removal of organic  
pollutants from aqueous media.  
*Journal of Colloid and Interface Science*, **406**, 196-208, 2013 If.: 3.552
172. **J. Kristóf**, E. Horváth and S. Daolio:  
Study of electrocatalytic thin film evolution by thermoanalytical and spectroscopic  
techniques - a review.  
*Electrocatalysis*, **4**, 196-202, 2013. If.: 2.089
173. **J. Kristóf**:  
Controlled rate thermal analysis – revisited (in: R. K. Verma: Challenges in education in  
thermal analysis and calorimetry).  
*Journal of Thermal Analysis and calorimetry*, **113(3)**, 1675-1679, 2013. If.: 2.206
174. É. Makó, **J. Kristóf**, E. Horváth and V. Vágvolgyi:  
Mechanochemical intercalation of low reactivity kaolinite.  
*Applied Clay Science*, **83-84**, 24-31, 2013. If.: 2.342
175. D. Pedrazzoli, A. Pegoretti, R. Thomann, **J. Kristóf** and J. Karger-Kocsis:  
Toughening linear low-density polyethylene with halloysite nanotubes.  
*Polymer Composites*, **36(5)**, 869-883, 2015. If.: 1.632
176. É. Makó, A. Kovács, E. Horváth and **J. Kristóf**:  
Kaolinite-potassium acetate and halloysite-potassium acetate complexes prepared by  
mechanochemical, solution and homogenization techniques: a comparative study.  
*Clay Minerals*, **49**, 457-471, 2014. If.: 0.969
177. Y. H. Lim, B. Zsirka, E. Horváth, **J. Kristóf**, S. Couperthwaire, R.L. Frost,  
G. A. Ayoko and Y. Xi:  
Thermogravimetric analysis of tetradecyltrimethylammonium bromide modified beidellites  
*Journal of Thermal Analysis and Calorimetry*, **120** (1), 67-71, 2015 If.: 1.781
178. V. Khunová, I. Kelnar, **J. Kristóf**, J. Dybal, J. Kratochvíl and L. Kaprálková:  
The effect of urea and urea-modified halloysite on performance of PCL.  
*Journal of Thermal Analysis and calorimetry*, **120** (2), 1283-1291, 2015 If.: 1.781
179. B. Zsirka, E. Horváth É. Makó, R. Kurdi, **J. Kristóf**:  
Preparation and characterization of kaolinite nanostructures: pathways, morphology and  
structural order.  
*Clay Minerals*, **50**, 329-340, 2015. If.: 0.969
180. B. Zsirka, E. Horváth, Zs. Járvas, A. Dallos, É. Makó and **J. Kristóf**:  
Structural and energetical characterization of exfoliated kaolinite surfaces.  
*Applied Clay Science*, **124-125**, 54-61, 2016 I.F.:2.586
181. P. Szabó, B. Zsirka, D. Fertig, E. Horváth, T. Csizmadia and **J. Kristóf**:  
Delaminated kaolinites as potential photocatalysts: Degradation of benzenesulfonate test  
compound on the surface of kaolinite nanostructures.  
*Catalysis Today*, submitted
182. B. Zsirka, E. Horváth, P. Szabó, T. Juzsakova, É. Makó, T. Varga, Z. Kónya, Á. Kukovecz  
and **J. Kristóf**:  
Thin-walled nanoscrolls from multi-step intercalation from tubular halloysite-10 A and its  
rearrangement upon peroxide treatment.  
*Applied Surface Science*, submitted

## CUMULATIVE IMPACT FACTOR: 251.159

### Books, textbooks

1. Kristóf János-Inczédy János: *Thermal methods of analysis*. University textbook, Veszprém, 1979.
2. Kristóf János (Editor): *Abstracts of the 4<sup>th</sup> International Symposium on Ion Exchange*. Siófok, Hungary, 27-30 May, 1980.
3. Kristóf János-Rédey Ákos-Kovács Kristóf: *English technical terms for chemical engineers*. University textbook, Veszprém, 1986.
4. Kristóf János-Novák Csaba (Eds.): *Proceedings of the 7<sup>th</sup> European Symposium on Thermal Analysis and Calorimetry*. Balatonfüred, Hungary, August 30-September 4, 1998.
5. Kristóf János: *Chemical analysis I*. University textbook, Veszprém, 1996 (electronic version). Kristóf János: *Chemical analysis II. (Instrumental techniques)*. Pannon University Publisher, Veszprém, 2002.
6. Kristóf János-Rédey Ákos: *English technical terms from the chemical and environmental engineering practice*. Textbook, Pannon University Publisher, Veszprém, 2000. Kristóf János-Horváth Erzsébet: *Chemical analysis I. (classical methods and electrochemical methods)*. Textbook, Pannon University Publisher, Veszprém, 2002.
8. J. Kristóf (Editor): Application of Coupled Thermal Analysis Techniques, Special Issue, *Journal of Thermal Analysis and Calorimetry*, Vol. 78(2), 2004.
9. Heltai György, Kristóf János: Environmental analytical chemistry. HEFOP 3.3.1-P.-2004-0900152/1.0 (Editor: Pokol György), 2008.pp. 110 ((access: <http://mkweb.uni-pannon.hu/hefop33/anyagok.html>).

### Book reviews:

1. Shmuel Yariv-Harold Cross (Szerkesztők): *Organo-Clay Complexes and Interactions*. Marcel Dekker, Inc., New York, 2002. pp. 688.
2. Michael E. Brown-Patrick K. Gallagher (Szerkesztők): *Handbook of Thermal Analysis and Calorimetry, Volume 2, Applications to Inorganic and Miscellaneous Materials*. Elsevier, Amsterdam, 2003. pp. 905.

### Patents:

1. „Device for the continuous determination of gas mixtures”, Hungarian patent. Registration No.: 174783.
3. „Degreasing and anti-corrosion composition”, Hungarian patent. Registration No.: 186613.