

### **In-line monitoring of reactive crystallization process based on ATR FTIR and Raman spectroscopy**

Alatalo, Hannu; Kohonen, Jarno; Qu, Haiyan; Hatakka, Henry; Reinikainen, Satu-Pia; Louhi-Kultanen, Marjatta; **Kallas, Juha** 10th Scandinavian Symposium on Chemometrics : 11-15 June, Lappeenranta, Finland 2007 / ? p  
[https://www.academia.edu/16648175/In\\_line\\_monitoring\\_of\\_reactive\\_crystallization\\_process\\_based\\_on\\_ATR\\_FTIR\\_and\\_Raman\\_spectroscopy](https://www.academia.edu/16648175/In_line_monitoring_of_reactive_crystallization_process_based_on_ATR_FTIR_and_Raman_spectroscopy)

### **In-line monitoring of reactive crystallization process based on ATR-FTIR and Raman spectroscopy**

Alatalo, Hannu; Kohonen, Jarno; Qu, Haiyan; Hatakka, Henry; Reinikainen, Satu-Pia; Louhi-Kultanen, Marjatta; **Kallas, Juha** Journal of chemometrics 2008 / 11/12, p. 644-652 : ill <https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/abs/10.1002/cem.1161>

### **Modelling of crystal growth of KDP in a 100dm<sup>3</sup> suspension crystallizer using combination of CFD and multiblock model**

Liiri, Maret; Hatakka, Henry; **Kallas, Juha**; Aittamaa, Juhani; Alopaeus, Ville Chemical engineering research and design 2010 / 9, p. 1297-1303 : ill <https://www.sciencedirect.com/science/article/pii/S0263876209003189>

### **Modelling of crystal growth of KPD in a 100 dm<sup>3</sup> crystallizer using combination of CFD and multiblock model**

Liiri, Maret; Hatakka, Henry; **Kallas, Juha**; Aittamaa, Juhani; Alopaeus, Ville Proceedings of 17th International Symposium of Industrial Crystallization : 665th Event of EFCE in combination of 8th Workshop of Crystal Growth of Organic Materials : ISIC 17 - CGOM 8 : Maastricht (The Netherlands), September 14-17. 3 2008 / p. 1859-1866  
<https://ui.adsabs.harvard.edu/abs/2010CERD...88.1297L/abstract>

### **Pulsed corona discharge : the role of ozone and hydroxyl radical in aqueous pollutant oxidaton**

**Preis, Sergei**; Panorel, I.; Kornev, I.; Hatakka, Henry; **Kallas, Juha** 6th International Water Association Specialist Conference : Oxidation Technologies for Water and Wastewater Treatment, Goslar, Germany, May 6-9 2012  
[https://www.researchgate.net/publication/258054814\\_Pulsed\\_corona\\_discharge\\_The\\_role\\_of\\_Ozone\\_and\\_hydroxyl\\_radical\\_in\\_aqueous\\_pollutants\\_oxidation](https://www.researchgate.net/publication/258054814_Pulsed_corona_discharge_The_role_of_Ozone_and_hydroxyl_radical_in_aqueous_pollutants_oxidation)

### **Pulsed corona discharge : the role of ozone and hydroxyl radical in aqueous pollutants oxidation**

**Preis, Sergei**; Panorel, I.; Kornev, I.; Hatakka, Henry; **Kallas, Juha** Water science & technology Water science and technology 2013 / p. 1536-1542 <https://doi.org/10.2166/wst.2013.399>

### **RAMAN and ATR FTIR spectrometry in reactive crystallization : simultaneous monitoring of solute concentration and polymorphic state of crystals**

Qu, Haiyan; Alatalo, Hannu; Dai, Y.; Kohonen, Jarno; Hatakka, Henry; Louhi-Kultanen, Marjatta; Reinikainen, Satu-Pia; **Kallas, Juha** Proceedings of 17th International Symposium of Industrial Crystallization : 665th Event of EFCE in combination of 8th Workshop of Crystal Growth of Organic Materials : ISIC 17 - CGOM 8 : Maastricht (The Netherlands), September 14-17. 2 2008 / p. 753-760

### **Raman and ATR FTIR spectroscopy in reactive crystallization : simultaneous monitoring of solute concentration and polymorphic state of the crystals**

Qu, Haiyan; Alatalo, Hannu; Hatakka, Henry; Kohonen, Jarno; Louhi-Kultanen, Marjatta; Reinikainen, Satu-Pia; **Kallas, Juha** Journal of crystal growth 2009 / 13, p. 3466-3475 : ill <https://www.sciencedirect.com/science/article/pii/S0022024809004527>