

List of all scientific publications in the last 5 years

- Milunovic, M.N.M., Martins, L.M.D., Aleria, E. C.B., Pombeiro, A.J.L., **Krachler, R.**, Trettenhahn, G., Turta, C., Shova, S., Arion, V.B., Hexanuclear and undecanuclear iron(III) carboxylates as catalyst precursors for cyclohexane oxidation. *Dalton Transactions* (2013), 42, 14388-14401. (Impact Factor **3.81**)
- Jirsa, Franz; Neubauer, Elisabeth; Kittinger, Richard; Hofmann, Thilo; **Krachler, Regina**; von der Kammer, Frank; Keppler, Bernhard K.: Natural organic matter and iron export from the Tanner Moor, Austria. *Limnologica* (2013) 43, 239– 244 (Impact Factor **1.527**)
- **Krachler, Regina**; von der Kammer, Frank; Jirsa, Franz; Süphandag, Altan; Krachler, Rudolf F.; Plessl, Christof; Vogt, Margret; Keppler, Bernhard K.; Hofmann, Thilo: Nanoscale lignin particles as sources of dissolved iron to the ocean. *Global Biogeochemical Cycles* (2012), 26, GB3024, doi:10.1029/2012GB004294 (Impact Factor **4.785**)
- Milunovic, Miljan; Enyedy, Éva A.; Nagy, Nóra V.; Kiss, Tamás; Trondl, Robert; Jakupec, Michael A.; Keppler, Bernhard K.; **Krachler, Regina**; Novitchi, Ghenadie; Arion, Vladimir B.: L- and D- proline thiosemicarbazone conjugates: coordination behavior in solution and the effect of copper(II) coordination on their antiproliferative activity. *Inorganic Chemistry* (2012), 51, 9309–9321. (Impact Factor **4.601**)
- Semenova, O.; **Krachler, R.**: A statistical-thermodynamic modeling of ordering phenomena in binary intermetallic B2- and L12-structures. *Advanced Engineering Materials* (2012), 14(10), 881-891. DOI: 10.1002/adem.201200172 (Impact Factor **1.185**)
- Semenova, Olga; **Krachler, Regina**: Quasi chemical and defect correlation models for intermetallic compounds with B2-structure: new applications. *Journal of Materials Science* (2012), 47(10), 4439-4448. (Impact Factor **2.015**)
- Zhang, Yun; Kogelnig, Daniel; Morgenbesser, Cornelia; Stojanovic, Anja; Jirsa, Franz; Lichtscheidl-Schultz, Irene; **Krachler, Regina**; Li, Yanfeng; Keppler, Bernhard K.: Preparation and characterization of immobilized [A336][MTBA] in PVA-alginate gel beads as novel solid-phase extractants for an efficient recovery of Hg(II) from aqueous solutions. *Journal of Hazardous Materials* (2011), 196, 201-209. (Impact Factor **4.173**)
- Fischer, L.; Falta, T.; Koellensperger, G.; Stojanovic, A.; Kogelnig, D.; Galanski, M.; **Krachler, R.**; Keppler, B.K., Hann, S.: Ionic liquids for extraction of metals and metal containing compounds from communal and industrial waste water. *Water Research* (2011), 45(15), 4601-4614. (Impact Factor **4.865**)
- Kogelnig, Daniel; Regelsberger, Anna; Stojanovic, Anja; Jirsa, Franz; **Krachler, Regina**; Keppler, Bernhard K.: A polymer inclusion membrane based on the ionic liquid trihexyl(tetradecyl)phosphonium chloride and PVC for solid-liquid extraction of Zn(II) from hydrochloric acid solution. *Monatshefte für Chemie* (2011), 142(8), 769-772. (Impact Factor **1.532**)
- Semenova, Olga; **Krachler, Regina**; Ipser, Herbert: A statistical-thermodynamic modeling of behavior and properties in thin-film intermetallic L12-structures. *Physica E: Low-Dimensional Systems & Nanostructures* (Amsterdam, Netherlands) (2010), 43(1), 327-332. (Impact Factor **1.532**)
- Kogelnig, Daniel; Stojanovic, Anja; von der Kammer, Frank; Terzieff, Peter; Galanski, Markus; Jirsa, Franz; **Krachler, Regina**; Hofmann, Thilo; Keppler, Bernhard K.:

Tetrachloroferrate containing ionic liquids: Magnetic- and aggregation behavior. *Inorganic Chemistry Communications* (2010), 13(12), 1485-1488. (Impact Factor **1.972**)

- **Krachler, Regina**; Krachler, Rudolf F.; von der Kammer, Frank; Suephandag, Altan; Jirsa, Franz; Ayromlou, Shahram; Hofmann, Thilo; Keppler, Bernhard K.: Relevance of peat-draining rivers for the riverine input of dissolved iron into the ocean. *Science of the Total Environment* (2010), 408(11), 2402-2408. (Impact Factor **3.286**)
- Stojanovic, Anja; Kogelnig, Daniel; Fischer, Lisa; Hann, Stephan; Galanski, Markus; Groessl, Michael; **Krachler, Regina**; Keppler, Bernhard K.: Phosphonium and Ammonium Ionic Liquids with Aromatic Anions: Synthesis, Properties, and Platinum Extraction. *Australian Journal of Chemistry* (2010), 63(3), 511-524. (Impact Factor **2.342**)
- Kogelnig, Daniel; Stojanovic, Anja; Jirsa, Franz; Koerner, Wilfried; **Krachler, Regina**; Keppler, Bernhard K.: Transport and separation of iron(III) from nickel(II) with the ionic liquid trihexyl(tetradecyl)phosphonium chloride. *Separation and Purification Technology* (2010), 72(1), 56-60. (Impact Factor **2.921**)
- Stojanovic, Anja; Morgenbesser, Cornelia; Galanski, Markus; Kogelnig, Daniel; Roller, Alexander; **Krachler, Regina**; Keppler, Bernhard K.: Synthesis and crystal structure of N-phenyl-N'-(pyridin-2-ylmethyl)-S-methyl-thiouronium iodide. *Journal of Molecular Structure* (2010), 965(1-3), 50-55. (Impact Factor **1.634**)
- Srncik, M.; Kogelnig, D.; Stojanovic, A.; Koerner, W.; **Krachler, R.**; Wallner, G. Uranium extraction from aqueous solutions by ionic liquids. *Applied Radiation and Isotopes* (2009), 67(12), 2146-2149. (Impact Factor **1.172**)
- Stojanovic, Anja; Kogelnig, Daniel; Mitteregger, Barbara; Mader, Dieter; Jirsa, Franz; Krachler, Rudolf; **Krachler, Regina**: Major and trace element geochemistry of superficial sediments and suspended particulate matter of shallow saline lakes in eastern Austria. *Chemie der Erde* (2009), 69(3), 223-234. (Impact Factor **1.447**)
- Stojanovic, Anja; Laemmerhofer, Michael; Kogelnig, Daniel; Schiesel, Simone; Sturm, Martin; Galanski, Markus; **Krachler, Regina**; Keppler, Bernhard K.; Lindner, Wolfgang: Analysis of quaternary ammonium and phosphonium ionic liquids by reversed-phase high-performance liquid chromatography with charged aerosol detection and unified calibration. *Journal of Chromatography, A* (2008), 1209(1-2), 179-187. (Impact Factor **4.531**)
- Jirsa, Franz; Leodolter-Dvorak, Monika; **Krachler, Regina**; Frank, Christa: Heavy Metals in the Nase, *Chondrostoma nasus* (L. 1758), and Its Intestinal Parasite *Caryophyllaeus laticeps* (Pallas 1781) from Austrian Rivers: Bioindicative Aspects. *Archives of Environmental Contamination and Toxicology* (2008), 55(4), 619-626. (Impact Factor **1.927**)
- Semenova, Olga; **Krachler, Regina**; Ipser, Herbert: A generalized defect correlation model for B2 compounds. *Solid State Sciences* (2008), 10(9), 1236-1244. (Impact Factor **1.856**)
- Kogelnig, Daniel; Stojanovic, Anja; Galanski, Markus; Groessl, Michael; Jirsa, Franz; **Krachler, Regina**; Keppler, Bernhard K.: Greener synthesis of new ammonium ionic liquids and their potential as extracting agents. *Tetrahedron Letters* (2008), 49(17), 2782-2785. (Impact Factor **2.683**)
- Semenova, Olga; **Krachler, Regina**: A statistical-thermodynamic model for ordering phenomena in thin film intermetallic structures. *Thin Solid Films* (2008), 516(6), 1088-1092. (Impact Factor **1.890**)