



List of Publications in Journals with review system¹

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149. Kummer, S.; Ruth, W.; Kragl, U.
Oxidation of Flavonols in an Electrochemical Flow Cell Coupled Online with ESI-MS
Electroanalysis, in press
148. Großheilmann, J.; Bandomir, J.; Kragl U.
Preparation of Poly(ionic liquid)s-supported Recyclable Organocatalysts
for the Asymmetric Nitroaldol (HENRY) Reaction
Chemistry - A European Journal, DOI: 10.1002/chem.201504290
147. Großheilmann, J.; Fahrenwaldt, T.; Kragl U.
Organic Solvent Nanofiltration-Supported Purification of Organocatalysts
ChemCatChem, DOI: 10.1002/cctc.201500902
146. Großheilmann, J.; Büttner, H.; Kohrt, C.; Kragl, U.; Werner, T.
Recycling of Phosphorus-based Organocatalysts by Organic Solvent Nanofiltration
ACS Sustainable Chem. Eng. **3**, 2817-2822 (2015)
DOI: 10.1021/acssuschemeng.5b00734
145. Engelmann, C.; Illner, S.; Kragl, U.
Laccase initiated C-C couplings: Various techniques for reaction monitoring
Process Biochemistry **50**, 1591-1599 (2015)
DOI:10.1016/j.procbio.2015.05.011
144. Beck, M.; Schmidt, C.; Ahrenberg, M.; Schick, C.; Kragl, U.; Kessler, O.
Ionic Liquids as New Quenching Media for Aluminium Alloys and Steels
J. Heat Treatm. Mat. **70** (2), 73-80 (2015)
DOI: 10.3139/105.110256
143. Graiff, A.; Ruth, W.; Kragl, U.; Karsten, U.
Chemical characterization and quantification of the brown algal storage compound laminarin - A
new methodological approach
J. Appl. Phycol. DOI: 10.1007/s10811-015-0563-z (2015)

¹ A list of chapters in edited books can be found on the last 2 pages.

142. Kaule, S.; Minrath, I.; Stein, F.; Kragl, U.; Schmidt, W.; Schmitz, K.-P.; Sternberg, K.; Petersen, S.
Correlating Coating Characteristics with the Performance of Drug-Coated Balloons – A comparative *in vitro* Investigation of own established Hydrogel- and Ionic Liquid-based Coating Matrices
PLoS ONE, **10** (3): e0116080 (2015)
DOI: 10.1371/journal.pone.0116080
141. Bandomir, J.; Kaule, S; Schmitz, K.-P.; Sternberg, K.; Petersen, S.; Kragl; U.
Usage of different vessel models in a flow-through cell: *in vitro* study of a novel coated balloon catheter
RSC Advances **5**, 11604-11610 (2015)
140. Schmidt, C.; Beck, M.; Ahrenberg, M.; Schick, C.; Keßler, O.; Kragl, U.
Room temperature ionic liquids in a heat treatment process for metals
RSC Advances **4**, 55077-55081 (2014)
139. Kohse, S.; Neubauer, A.; Lochbrunner, S.; Kragl, U.
Improving the Time Resolution for Remote Control of Enzyme Activity by a Nanosecond Laser Induced pH-Jump
ChemCatChem **6**, 3511-3517 (2014)
138. Baumgard, J.; Pohl, M.-M.; Kragl, U.; Steinfeldt, N.
Preparation of tailor-made supported catalysts using asymmetric flow field fractionation and their application in hydrogenation
Nanotechnology Reviews **3**, 87-98 (2014); DOI: 10.1515/ntrev-2012-0086
137. Plagemann, R.; von Langermann, J.; Kragl, U.
Microwave assisted covalent immobilization of enzymes on inorganic surfaces
Engineering in Life Sciences **14**, 493-499 (2014); DOI: 10.1002/elsc.201300115
136. Hameister, D.; Illner, S.; Vogel, C.; Michalik, D.; Kragl, U.
Application and mechanism of carrier facilitated carbohydrate extraction from aqueous solution
Separation and Purification Technology **132**, 438-445 (2014)
135. Süss, P.; Illner, S.; von Langermann, J.; Borchert, S.; Bornscheuer, U. T.; Wardenga, R.; Kragl, U.
Scale-Up of a Recombinant Pig Liver Esterase-Catalyzed Desymmetrization of Dimethyl Cyclohex-4-ene-cis-1,2-dicarboxylate
Organic Process Research & Development **18**, 897-903 (2014)
134. Illner, S.; Hofmann, C.; Löb, P.; Kragl, U.
A Falling-Film Microreactor for Enzymatic Oxidation of Glucose
ChemCatChem **6**, 1748-1754 (2014); DOI: 10.1002/cctc.201400028
133. Kummer, S., Ruth, W., Kühn, O.; Kragl, U.
Comparison of Electrochemical Oxidation of Flavonols and Calculated Proton Affinity and Electron Transfer Enthalpy in Water
Electroanalysis **26**, 910-918 (2014)
132. Diebler, J.; Langermann, J.; Mell, A.; Hein, M.; Langer, P.; Kragl, U.
Synthesis of Aliphatic and α -Halogenated Ketone Cyanohydrins with the Hydroxynitrile Lyase from *Manihot esculenta*
ChemCatChem **6**, 987-991 (2014)

131. Bandomir, J.; Schulz, A.; Taguchi, S.; Schmitt, L.; Ohno, H.; Sternberg, K.; Schmitz, K.-P., Kragl, U.
 Synthesis and Characterisation of Polymerized Ionic Liquids: Mechanical and Thermal Properties of a Novel Type of Hydrogels
Macromolecular Chemistry and Physics **215**, 716-724 (2014)
130. Illner, S., Plagemann, R., Saling, P., Kragl, U.
 Eco-efficiency analysis as a reaction-engineering tool - Case study of a laccase-initiated oxidative C-N coupling
Journal of Molecular Catalysis B: Enzymatic **102**, 106 – 114 (2014)
129. Engel, N.; Falodun, A.; Kuehn, J.; Kragl, U.; Langer, P.; Nebe, B.
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128. Ahrenberg, M.; Brinckmann, M.; Schmelzer, J.; Beck, M.; Schmidt, C.; Keßler, O.; Kragl, U.; Verevkin, S.; Schick, C.
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127. Falodun, A.; Engel-Lutz, N.; Oppermann, C.; Iftikar, A.; Villinger, A.; Kragl, U.; Nebe, B., Langer, P.
 Isolation of Trimethylammoniumyl–Acetate Monohydrate from *Cola Lepidota* Seeds:
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126. Fahrenwaldt, T.; Großeheilmann, J.; Erben, F.; Kragl, U.
 Organic solvent nanofiltration as a tool for separation of quinine-based organocatalysts
Organic Research & Development **17**, 1131-1136 (2013)
125. Beck, M.; Schmid, C.; Ahrenberg, M.; Schick, C.; Kragl, U.; Keßler, O.
 The ideal quenching medium? Characterisation of ionic liquids for heat treatment of metallic components
Journal for Heat Treatment of Materials **68**, 213-223 (2013)
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 Novel paclitaxel-coated angioplasty balloon catheter based on cetylpyridinium salicylate:
 Preparation, characterization and simulated use in an in vitro vessel model
Materials Science and Engineering C **33**, 4244-4250 (2013)
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119. Toan Van, V.; Kosslick, H.; Schulz, A.; Harloff, J.; Paetzold, E.; Schneider, M.; Radnik, J.; Steinfeldt, N.; Fulda, G.; Kragl, U.
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118. Falodun, A.; Engel-Lutz, N.; Kragl, U.; Nebe, B.; Langer, P.
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113. Köddermann, T., Klembt, S., Klasen, D., Paschek, D., Kragl, U., Ludwig, R.,
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