

Veröffentlichungen 2016

Affeld K., Schaller J., Wölken T., Krabatsch T. & Kertzsch U.:
Role of flow for the deposition of platelets.
Biointerphases 2016;11(2):029804.

Asadian-Birjand M., Bergueiro J., Wedepohl S. & Calderón M.:
Near Infrared Dye Conjugated Nanogels for Combined Photodynamic and Photothermal Therapies.
Macromol Biosci 2016;16(10):1432-1441.

Asadian-Birjand M., Biglione C., Bergueiro J., Cappelletti A., Rahane C., Chate G., Khandare J., Klemke B., Strumia M.C. & Calderón M.:
Transferrin Decorated Thermoresponsive Nanogels as Magnetic Trap Devices for Circulating Tumor Cells.
Macromol Rapid Comm 2016;37(5):439-45.

Behringer A., Trappiel M., Berghausen E.M., Ten Freyhaus H., Wellenhofer E., Odenthal M., Blaschke F., Er F., Gassanov N., Rosenkranz S., Baldus S., Kappert K. & Caglayan E.:
Pioglitazone alleviates cardiac and vascular remodelling and improves survival in monocrotaline induced pulmonary arterial hypertension.
N-S Arch Pharmacol 2016;389(4):369-79.

Celá A., Mádr A., Dědová T., Pelcová M., Ješeta M., Žáková J., Crha I. & Glatz Z.:
MEKC-LIF method for analysis of amino acids after on-capillary derivatization by transverse diffusion of laminar flow profiles mixing of reactants for assessing developmental capacity of human embryos after in vitro fertilization.
Electrophoresis 2016;37(17-18):2305-12.

Doltra A., Hartmann A., Stawowy P., Goubergrits L., Kuehne T., Wellenhofer E., Gebker R., Schneeweis C., Schnackenburg B., Esler M., Fleck E. & Kelle S.:
Effects of Renal Denervation on Renal Artery Function in Humans: Preliminary Study.
PLoS ONE 2016;11(3):e0150662.

Fuchs H., Weng A. & Gilabert-Oriol R.:
Augmenting the Efficacy of Immunotoxins and Other Targeted Protein Toxins by Endosomal Escape Enhancers.
Toxins (Basel) 2016;8(7):E200.

Gilabert-Oriol R., Thakur M., Haussmann K., Niesler N., Bhargava C., Görick C., Fuchs H. & Weng A.:
Saponins from *Saponaria officinalis* L. Augment the Efficacy of a Rituximab-Immunotoxin.
Planta Med 2016;82(18):1525-1531.

Goubergrits L., Osman J., Mevert R., Kertzsch U., Pöthkow K. & Hege H.C.:
Turbulence in blood damage modeling.
Int J Artif Organs 2016;39(4):160-5.

Hallak G., Neuner B., Schefold J.C., Gorzelniak K., Rapsch B., Pfüller R., Stengel D., Wellmann J., Ekkernkamp A. & Walter M.:
Preemptive Isolation Precautions of Patients at High Risk for Methicillin-Resistant *Staphylococcus aureus* in Combination With Ultrarapid Polymerase Chain Reaction Screening as an Effective Tool for Infection Control.
Infect Cont Hosp Ep 2016;37(12):1489-1491.

- Heek T., Kühne C., Depner H., Achazi K., Dervedde J. & Haag R.:
Synthesis, Photophysical, and Biological Evaluation of Sulfated Polyglycerol Dendronized Perylenebisimides (PBIs)-A Promising Platform for Anti-Inflammatory Theranostic Agents?
Bioconjugate Chem 2016;27(3):727-36.
- Hildebrandt T., Osman J. & Goubergrits L.:
[Numerical flow simulation : A new method for assessing nasal breathing].
HNO 2016;64(8):611-8.
- Horie M., Yamaguchi Y., Saito A., Nagase T., Lizio M., Itoh M., Kawaji H., Lassmann T., Carninci P., Forrest A.R.R., Hayashizaki Y., Suzutani T., Kappert K., Micke P. & Ohshima M.:
Transcriptome analysis of periodontitis-associated fibroblasts by CAGE sequencing identified DLX5 and RUNX2 long variant as novel regulators involved in periodontitis.
Sci Rep 2016;6:33666.
- Hu J., Zhu M., Liu K., Fan H., Zhao W., Mao Y. & Zhang Y.:
A Biodegradable Polyethylenimine-Based Vector Modified by Trifunctional Peptide R18 for Enhancing Gene Transfection Efficiency In Vivo.
PLoS ONE 2016;11(12):e0166673.
- Hytönen J., Leppänen O., Braesen J.H., Schunck W.H., Mueller D., Jung F., Mrowietz C., Jastroch M., von Bergwelt-Baildon M., Kappert K., Heuser A., Drenckhahn J.D., Pieske B., Thierfelder L., Ylä-Herttuala S. & Blaschke F.:
Activation of Peroxisome Proliferator-Activated Receptor- δ as Novel Therapeutic Strategy to Prevent In-Stent Restenosis and Stent Thrombosis.
Arterioscl Throm Vas 2016;36(8):1534-48.
- Jäger K. & Walter M.:
Therapeutic Targeting of Telomerase.
Genes-basel 2016;7(7):39.
- Kelm M., Goubergrits L., Fernandes J.F., Biocca L., Pongiglione G., Muthurangu V., Khushnood A., Secinaro A., Chinali M., Schubert S., Berger F., Kuehne T. & CARDIOPROOF group:
MRI as a tool for non-invasive vascular profiling: a pilot study in patients with aortic coarctation.
Expert Rev Med Devices 2016;13(1):103-12.
- Körber M.K., Langer E., Kaufner L., Sander M. & Von Heymann C.:
In vitro reversal of supratherapeutic rivaroxaban levels with coagulation factor concentrates.
Blood Transfus 2016;14(5):481-6.
- Krüger J., Wellenhofer E., Meyborg H., Stawowy P., Östman A., Kintscher U. & Kappert K.:
Inhibition of Src homology 2 domain-containing phosphatase 1 increases insulin sensitivity in high-fat diet-induced insulin-resistant mice.
Febs Open Bio 2016;6(3):179-89.
- Meyer J.H., Cunea A., Licha K., Welker P., Sonntag-Bensch D., Wafula P., Dervedde J., Fimmers R., Holz F.G. & Schmitz-Valckenberg S.:
In Vivo Imaging of Fluorescent Probes Linked to Antibodies Against Human and Rat Vascular Endothelial Growth Factor.
Invest Ophth Vis Sci 2016;57(2):759-70.

- Neugebauer M., Glöckler M., Goubergrits L., Kelm M., Kuehne T. & Hennemuth A.:
Interactive virtual stent planning for the treatment of coarctation of the aorta.
Int J Comp Ass Rad 2016;11(1):133-44.
- Ohshima M., Yamaguchi Y., Ambe K., Horie M., Saito A., Nagase T., Nakashima K., Ohki H.,
Kawai T., Abiko Y., Micke P. & Kappert K.:
Fibroblast VEGF-receptor 1 expression as molecular target in periodontitis.
J Clin Periodontol 2016;43(2):128-37.
- Osman J., Großmann F., Brosien K., Kertzscher U., Goubergrits L. & Hildebrandt T.:
Assessment of nasal resistance using computational fluid Dynamics
Curr Dir Biomed Eng 2016;2(1):617-621.
- Perera-Bobusch C., Hormann J., Weise C., Wedepohl S., Dervedde J. & Kulak N.:
Significantly enhanced proteolytic activity of cyclen complexes by monoalkylation.
Dalton T 2016;45(26):10500-4.
- Rancan F., Asadian-Birjand M., Dogan S., Graf C., Cuellar L., Lommatzsch S., Blume-
Peytavi U., Calderón M. & Vogt A.:
Effects of thermoresponsivity and softness on skin penetration and cellular uptake of
polyglycerol-based nanogels.
J Control Release 2016;228:159-69.
- Riese S.B., Buscher K., Enders S., Kuehne C., Tauber R. & Dervedde J.:
Structural requirements of mono- and multivalent L-selectin blocking aptamers for enhanced
receptor inhibition in vitro and in vivo.
Nanomed-Nanotechnol 2016;12(4):901-8.
- Rosenlöcher J., Sandig G., Kannicht C., Blanchard V., Reinke S.O. & Hinderlich S.:
Recombinant glycoproteins: The impact of cell lines and culture conditions on the generation
of protein species.
J Proteomics 2016;134:85-92.
- Schüle C.Y., Thamsen B., Blümel B., Lommel M., Karakaya T., Paschereit C.O., Affeld K. &
Kertzscher U.:
Experimental and Numerical Investigation of an Axial Rotary Blood Pump.
Artif Organs 2016;40(11):E192-E202.
- Thamsen B., Granegger M. & Kertzscher U.:
Blood damage in ventricular assist devices.
Int J Artif Organs 2016;39(4):147-9.
- Thamsen B., Mevert R., Lommel M., Preikschat P., Gaebler J., Krabatsch T., Kertzscher U.,
Hennig E. & Affeld K.:
A two-stage rotary blood pump design with potentially lower blood trauma: a computational
study.
Int J Artif Organs 2016;39(4):178-83.
- Weimann A., Cremer M., Hernáiz-Driever P. & Zimmermann M.:
Delta-He, Ret-He and a New Diagnostic Plot for Differential Diagnosis and Therapy
Monitoring of Patients Suffering from Various Disease-Specific Types of Anemia.
Clin Lab 2016;62(4):667-77.

Weiz S., Wiczorek M., Schwedler C., Kaup M., Braicu E.I., Sehouli J., Tauber R. & Blanchard V.:
Acute-phase glycoprotein N-glycome of ovarian cancer patients analyzed by CE-LIF.
Electrophoresis 2016;37(11):1461-7.

Wycisk V., Achazi K., Hillmann P., Hirsch O., Kuehne C., Dervedde J., Haag R. & Licha K.:
Responsive Contrast Agents: Synthesis and Characterization of a Tunable Series of pH-
Sensitive Near-Infrared Pentamethines
ACS Omega 2016;1(5):808-817.