



MEDIZINISCHE  
FAKULTÄT

# Publikationsbericht 2022

Orthopädische Universitätsklinik

## 1. LEITUNG

Prof. Dr. med. C. Lohmann

## 2. VERÖFFENTLICHUNGEN

### BEGUTACHTETE ZEITSCHRIFTENAUFsätze

**Boese, Axel; Wex, Cora Barbara Anette; Croner, Roland; Liehr, Uwe-Bernd; Wendler, Johann J.; Weigt, Jochen; Walles, Thorsten; Vorwerk, Ulrich; Lohmann, Christoph H.; Friebe, Michael; Illanes, Alfredo**

Endoscopic imaging technology today

Diagnostics - Basel: MDPI, 2011, Bd. 12 (2022), 5, insges. 16 S.;

[Imp.fact.: 3.992]

**Cohen, D. Joshua; Lohmann, Christoph H.; Scott, Kayla M.; Olson, Lucas C.; Boyan, Barbara D.; Schwartz, Zvi**

Osseointegration and remodeling of mineralized bone graft are negatively impacted by prior treatment with bisphosphonates

The journal of bone & joint surgery / A - Boston, Mass.: Journal, Bd. 104 (2022), 19, S. 1750-1759;

[Imp.fact.: 6.558]

**Haag, Florian; Manikkam, Anjana; Kraft, Daniel; Bär, Caroline; Wilke, Vanessa; Nowak, Aleksander J.; Bertrand, Jessica; Omari, Jazan; Pech, Maciej; Gylstorff, Severin; Relja, Borna**

Selective internal radiotherapy changes the immune profiles of extracellular vesicles and their immune origin in patients with inoperable cholangiocarcinoma

Cells - Basel: MDPI, 2012, Bd. 11 (2022), 15, insges. 21 S.;

**Harrach, Saliha; Haag, Jasmin; Steinbüchel, Martin; Schröter, Rita; Neugebauer, Ute; Bertrand, Jessica; Ciarimboli, Giuliano**

Interaction of masitinib with organic cation transporters

International journal of molecular sciences - Basel : Molecular Diversity Preservation International, Bd. 23 (2022), 22, Artikel 14189, insges. 13 S.

[Imp.fact.: 6.208]

**Herbster, Maria; Harnisch, Karsten; Kriegel, Paulina; Heyn, Andreas; Krüger, Manja; Lohmann, Christoph H.; Bertrand, Jessica; Halle, Thorsten**

Microstructural modification of TiAl6V4 alloy to avoid detrimental effects due to selective in vivo crevice corrosion

Materials - Basel: MDPI, 2008, Bd. 15 (2022), 16, insges. 26 S.;

[Imp.fact.: 3.748]

**Herbster, Maria; Rosemann, Paul; Michael, Oliver; Harnisch, Karsten; Ecke, Martin; Heyn, Andreas; Lohmann, Christoph H.; Bertrand, Jessica; Halle, Thorsten**

Microstructure-dependent crevice corrosion damage of implant materials CoCr28Mo6, TiAl6V4 and REX 734 under severe inflammatory conditions

Journal of biomedical materials research / B - Hoboken, NJ: Wiley, 1996, Bd. 110 (2022), 7, S. 1687-1704;

[Imp.fact.: 3.368]

**Kallioniemi, Elisa; Awiszus, Friedemann; Pitkänen, Minna; Julkunen, Petro**

Fast acquisition of resting motor threshold with a stimulusresponse curve - possibility or hazard for transcranial magnetic stimulation applications?

Clinical neurophysiology practice - Amsterdam: Elsevier, 2016, Bd. 7 (2022), S. 7-15;

**Lucas, Benjamin; Mathieu, Sophie-Cecil; Pliske, Gerald; Schirrmeister, Wiebke; Kulla, Martin; Walcher, Felix**

The impact of a qualified medical documentation assistant on trauma room management

European journal of trauma and emergency surgery - Heidelberg: Springer Medizin, 2007, Bd. 48 (2022), 1, S. 689-696; <http://dx.doi.org/10.1007/s00068-020-01513-y> 10.25673/80399

[Imp.fact.: 2.374]

**Märtens, Nicole; März, Vincent; Bertrand, Jessica; Lohmann, Christoph H.; Berth, Alexander**

Radiological changes in shoulder osteoarthritis and pain sensation correlate with patients age

Journal of orthopaedic surgery and research - London: Biomed Central, 2006, Bd. 17 (2022), insges. 9 S.;

[Imp.fact.: 2.359]

**Rieck, Paul; Schaufler, Anna; Fritzsche, Holger; Bertrand, Jessica; Lohmann, Christoph H.; Boese, Axel**

Remote knee endoprosthesis monitoring - alignment requirements and prototyping of the external readout unit

Current directions in biomedical engineering - Berlin: De Gruyter, 2015, Bd. 8 (2022), 2, S. 481-484;

**Stolberg-Stolberg, Josef; Boettcher, Annika; Sambale, Meike; Stuecker, Sina; Sherwood, Joanna; Raschke, Michael J.; Pap, Thomas; Bertrand, Jessica**

Toll-like receptor 3 activation promotes joint degeneration in osteoarthritis

Cell death & disease - London [u.a.]: Nature Publishing Group, 2010, Bd. 13 (2022), 3, insges. 8 S.;

**Tootsi, Kaspar; Heesen, Victoria; Lohregel, Martin; Enz, Andreas Eugen; Illiger, Sebastian; Mittelmeier, Wolfram; Lohmann, Christoph H.**

The use of antibiotic-loaded bone cement does not increase antibiotic resistance after primary total joint arthroplasty

Knee surgery, sports traumatology, arthroscopy - Berlin: Springer, 1993, Bd. 30 (2022), 9, S. 3208-3214;

[Imp.fact.: 4.114]

**Vogel, Matthias; Binneböse, Marius; Lohmann, Christoph H.; Junne, Florian; Berth, Alexander; Riediger, Christian**

Are anxiety and depression taking sides with knee-pain in osteoarthritis?

Journal of Clinical Medicine - Basel: MDPI, 2012, Bd. 11 (2022), 4, insges. 9 S.;

[Imp.fact.: 4.964]

**Vogel, Matthias; Binneböse, Marius; Wallis, Hannah; Lohmann, Christoph H.; Junne, Florian; Berth, Alexander; Riediger, Christian**

The unhappy shoulder - a conceptual review of the psychosomatics of shoulder pain

Journal of Clinical Medicine - Basel: MDPI, 2012, Bd. 11 (2022), 18, insges. 14 S.;

[Imp.fact.: 4.964]

**Weßeler, Fabian; Lohmann, Stefan; Riege, Daniel; Halver, Jonas; Roth, Aileen; Pichlo, Christian; Weber, Sabrina; Takamiya, Masanari; Müller, Eva; Ketzler, Jana; Flegel, Jana; Gihring, Adrian; Rastegar, Sepand; Bertrand, Jessica; Baumann, Ulrich; Knippschild, Uwe; Peifer, Christian; Sievers, Sonja; Waldmann, Herbert; Schade, Dennis**

Phenotypic discovery of triazolo[1,5-c]quinazolines as a first-in-class bone morphogenetic protein amplifier chemotype

Journal of medicinal chemistry - Washington, DC : ACS, Bd. 65 (2022), insges. 19 S.

[Imp.fact.: 8.039]

**Weßeler, Fabian; Riege, Daniel; Puthanveedu, Mahesh; Halver, Jonas; Müller, Eva; Bertrand, Jessica; Antonchick, Andrey P.; Sievers, Sonja; Waldmann, Herbert; Schade, Dennis**

Probing embryonic development enables the discovery of unique small-molecule bone morphogenetic protein potentiators

Journal of medicinal chemistry - Washington, DC: ACS, Bd. 65 (2022), 5, S. 3978-3990;

[Imp.fact.: 8.039]

## ABSTRACTS

**Döring, Joachim; Buchholz, Adrian; Herbster, Maria; Gehring, Jennifer; Betke, Ulf; Bertrand, Jessica; Lohmann, Christoph H.; Łapaj, Łukasz**

Analyse von Art und Schwere der Schäden an ZTA-Keramik-Hüftimplantaten

12. Kongress der Deutschen Gesellschaft für Biomechanik (DGfB) - Köln: Deutsche Gesellschaft für Biomechanik, 2022; Potthast, Wolfgang \*1967-\* . - 2022, S. 202;

**Döring, Joachim; Voropai, Vadym; Thielecke, Alexander; Maiß, Oliver; Müller, Markus; Meichsner, Gunnar; Hackert-Oschätzchen, Matthias; Häberle, Jürgen; Lohmann, Christoph H.; Bertrand, Jessica**  
Steigerung des Torsionswiderstands der Konussteckverbindung durch einen angepassten Fertigungsprozess der CoCrMo Hüftkugel

12. Kongress der Deutschen Gesellschaft für Biomechanik (DGfB) - Köln: Deutsche Gesellschaft für Biomechanik, 2022; Potthast, Wolfgang \*1967-\* . - 2022, S. 203;

## DISSERTATIONEN

**Bahl, Britta; Bertrand, Jessica [ErwähnteR]; Fink, Matthias [ErwähnteR]**

Der Einfluss von maritimen Wetterfaktoren auf Schmerz und Funktionsparameter bei Osteoarthritis

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2020, 1 ungezähltes Blatt, 3-80 Blätter, Diagramme, Formulare

**Halm-Pozniak, Agnieszka Anna; Pap, Geza [ErwähnteR]; Kasten, Philip [ErwähnteR]**

Autologes Conditioniertes Plasma in der Therapie des Impingementsyndroms der Schulter

Magdeburg: Otto-von-Guericke-Universität Magdeburg, 2021, II-VI, 69 Blätter, Illustrationen, Diagramme, Formulare

**Meinshausen, Ann-Kathrin; Bertrand, Jessica [AkademischeR BetreuerIn]**

Enhancing the diagnostic security of periprosthetic joint infections by using dithiothreitol, next-generation-sequencing and C9 as a new biomarker

Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (110 Seiten, 2,37 MB), Illustrationen;