

Publikationsliste Dr. med. Jürgen Klasen

1. Electrospray-Based Microencapsulation of Epigallocatechin 3-Gallate for Local Delivery into the Intervertebral Disc.

Loepfe M, Duss A, Zafeiropoulou KA, Björgvinsdóttir O, D'Este M, Eglin D, Fortunato G, Klasen J, Ferguson SJ, Wuertz-Kozak K, Krupkova O.

Pharmaceutics. 2019 Sep 1;11(9):435. doi: 10.3390/pharmaceutics11090435.

2. Expression and Activity of TRPA1 and TRPV1 in the Intervertebral Disc: Association with Inflammation and Matrix Remodeling.

Kameda T, Zvick J, Vuk M, Sadowska A, Tam WK, Leung VY, Bölcskei K, Helyes Z, Applegate LA, Hausmann ON, Klasen J, Krupkova O, Wuertz-Kozak K.

Int J Mol Sci. 2019 Apr 10;20(7):1767. doi: 10.3390/ijms20071767.

3. The Natural Polyphenol Epigallocatechin Gallate Protects Intervertebral Disc Cells from Oxidative Stress.

Krupkova O, Handa J, Hlavna M, Klasen J, Ospelt C, Ferguson SJ, Wuertz-Kozak K.

Oxid Med Cell Longev. 2016;2016:7031397. doi: 10.1155/2016/7031397. Epub 2016 Mar 28.

4. Epigallocatechin 3-gallate suppresses interleukin-1 β -induced inflammatory responses in intervertebral disc cells in vitro and reduces radiculopathic pain in rats.

Krupkova O, Sekiguchi M, Klasen J, Hausmann O, Konno S, Ferguson SJ, Wuertz-Kozak K.

Eur Cell Mater. 2014 Nov 25;28:372-86.

5. Perforation and bacterial contamination of microscope covers in lumbar spinal decompressive surgery.

Osterhoff G, Spirig J, Klasen J, Kuster SP, Zinkernagel AS, Sax H, Min K.

Med Princ Pract. 2014;23(4):302-6. doi: 10.1159/000362794. Epub 2014 Jun 4.

6. Hyaluronic acid fragments enhance the inflammatory and catabolic response in human intervertebral disc cells through modulation of toll-like receptor 2 signalling pathways.

Quero L, Klawitter M, Schmaus A, Rothley M, Sleeman J, Tiaden AN, Klasen J, Boos N, Hottiger MO, Wuertz K, Richards PJ.

Arthritis Res Ther. 2013 Aug 22;15(4):R94. doi: 10.1186/ar4274.

7. Curcuma DMSO extracts and curcumin exhibit an anti-inflammatory and anti-catabolic effect on human intervertebral disc cells, possibly by influencing TLR2 expression and JNK activity.

Klawitter M, Quero L, Klasen J, Gloess AN, Klopprogge B, Hausmann O, Boos N, Wuertz K.

J Inflamm (Lond). 2012 Aug 21;9(1):29. doi: 10.1186/1476-9255-9-29.

8. Analysis of internal construct validity of the SRS-24 questionnaire.

Rothenfluh DA, Neubauer G, Klasen J, Min K.

Eur Spine J. 2012 Aug;21(8):1590-5.

9. Human MMP28 expression is unresponsive to inflammatory stimuli and does not correlate to the grade of intervertebral disc degeneration.

Klawitter M, Quero L, Bertolo A, Mehr M, Stoyanov J, Nerlich AG, Klasen J, Aebli N, Boos N, Wuertz K.

J Negat Results Biomed. 2011 Jul 29;10:9. doi: 10.1186/1477-5751-10-9.

10. Triptolide exhibits anti-inflammatory, anti-catabolic as well as anabolic effects and suppresses TLR expression and MAPK activity in IL-1 β treated human intervertebral disc cells.

Klawitter M, Quero L, Klasen J, Liebscher T, Nerlich A, Boos N, Wuertz K.

Eur Spine J. 2012 Aug;21 Suppl 6:S850-9. doi: 10.1007/s00586-011-1919-y. Epub 2011 Jul 26.

PMID: 21789526 [PubMed - indexed for MEDLINE]

11. Influence of extracellular osmolarity and mechanical stimulation on gene expression of intervertebral disc cells.

Wuertz K, Urban JP, Klasen J, Ignatius A, Wilke HJ, Claes L, Neidlinger-Wilke C.

J Orthop Res. 2007 Nov;25(11):1513-22.

12. Spinal tumors in coexisting degenerative spine disease--a differential diagnostic problem.

Börm W, Gleixner M, Klasen J.

Eur Spine J. 2004 Nov;13(7):633-8. Epub 2004 Jun 19.