

**[PDF] Materials selection, processing, and manufacturing for a ...**<https://lib.dr.iastate.edu/cgi/viewcontent.cgi?article=3402&context=etd>

LITERATURE REVIEW Use of Animals in Orthopaedic Research [6] The use of animal models in orthopaedic research is important to ensure safe performance in human clinical trials after in vitro studies have proven successful. Animal models should only be used in circumstances where the information cannot be gained in any other way and

Author: Erik Michael Manatt Publish Year: 2012

**Joseph M Lane Professor of Orthopaedic Surgery**<https://vivo.weill.cornell.edu/display/cwid-jml2002>

The laboratory utilizes animal models to simulate osseous defects both in the spine and long bones. Methods employed by the group include microsurgery, molecular biology, tissue culture, biochemical assays of bone formation, histology (undecalcified, in situ hybridization, immunohistology), quantitative radiography, biomechanical testing, and ...

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The Journal of Orthopaedic Research, a publication of the Orthopaedic Research Society (ORS), is the forum for the rapid publication of high quality reports of new information on the full spectrum of orthopaedic research, including life sciences, engineering, translational, and clinical studies.

Cited by: 106 Author: Wei Xia, Zoltan Szomor, Yao Wang, Geor...

Publish Year: 2006

**Synthesis and characterization of magnetically responsive ...**<https://onlinelibrary.wiley.com/doi/10.1002/jor.1100090316>

The Journal of Orthopaedic Research, a publication of the Orthopaedic Research Society (ORS), is the forum for the rapid publication of high quality reports of new information on the full spectrum of orthopaedic research, including life sciences, engineering, translational, and clinical studies.

Cited by: 7 Author: Joseph Iannotti, T. C. Baradet, M. Tobin, ...

Publish Year: 1991

**(PDF) More Knowledge with Fewer Animals programme ...**<https://www.researchgate.net/publication/277248534...>

Eventually this last part will also impact the usability of available literature to perform a synthesis of

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<https://pubmed.ncbi.nlm.nih.gov/32663221>

Improving the reproducibility of biomedical research is a major challenge. Transparent and accurate reporting is vital to this process; it allows readers to assess the reliability of the findings and repeat or build upon the work of other researchers. The ARRIVE guidelines (*Animal Research...*

Cited by: 38 Author: Nathalie Percie du Sert, Amrita Ahluwal...  
Publish Year: 2020

**Platelet-rich plasma to treat experimentally-induced skin ...**

<https://pubmed.ncbi.nlm.nih.gov/29324848>

The objective of the study was to review current literature to determine whether the topical application of platelet-rich plasma (PRP) promotes healing in experimentally-induced full-thickness skin wounds in animals. The hypothesis was that the adjunct of PRP has a positive effect on wound healing. ...

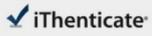
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Tsikopoulos *et al.* Animal research synthesis

Konstantinos Tsikopoulos, Konstantinos Sidiropoulos, Dimitrios Kitridis, Lorenzo Drago, Rakesh Ebnezar, David Lavalette

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Collagen synthesis pathway. Procollagen with N and C terminal cleavage domains is secreted into the extracellular space by fibroblasts. ... with the most relevant clinical data stemming from early motion protocols in the orthopedic literature. ... Research using animal models has shown that the gain in tensile strength of a surgical wound is ...

### A protocol for a systematic review of the diagnostic ...

<https://www.ncbi.nlm.nih.gov/pubmed/26527282>

Nov 02, 2015 - Two reviewers will independently screen the literature for inclusion using the prespecified eligibility criteria. Non-English language and animal-only studies will be excluded. Quality assessment and data extractions by reviewers will be verified, and disagreements will be resolved through consensus or third party adjudication.

Cited by: 13 Author: Paul E. Beaulé, Beverley Shea, Hesham ...  
Publish Year: 2015

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- What is analysis in literature? ▾
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Author: Eric Eldermire Publish Year: 2020