

Thomas P Schaer

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

2,696
citations

236612

25
h-index

189595

50
g-index

65
all docs

65
docs citations

65
times ranked

3243
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Raman needle arthroscopy for in vivo molecular assessment of cartilage. <i>Journal of Orthopaedic Research</i> , 2022, 40, 1338-1348. | 1.2 | 8 |
| 2 | A Platelet-Rich Plasma-Derived Biologic Clears <i>Staphylococcus aureus</i> Biofilms While Mitigating Cartilage Degeneration and Joint Inflammation in a Clinically Relevant Large Animal Infectious Arthritis Model. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, . | 1.8 | 11 |
| 3 | Combined Hydrogel and Mesenchymal Stem Cell Therapy for Moderate-Severity Disc Degeneration in Goats. <i>Tissue Engineering - Part A</i> , 2021, 27, 117-128. | 1.6 | 31 |
| 4 | Part 2. Review and meta-analysis of studies on modulation of longitudinal bone growth and growth plate activity: A micro-scale perspective. <i>Journal of Orthopaedic Research</i> , 2021, 39, 919-928. | 1.2 | 8 |
| 5 | Part 1. Review and meta-analysis of studies on modulation of longitudinal bone growth and growth plate activity: A macro-scale perspective. <i>Journal of Orthopaedic Research</i> , 2021, 39, 907-918. | 1.2 | 15 |
| 6 | Valgus malalignment induces osteoarthritis in the ovine stifle joint. <i>Osteoarthritis and Cartilage</i> , 2021, 29, S170-S171. | 0.6 | 0 |
| 7 | <i>Staphylococcus aureus</i> Floating Biofilm Formation and Phenotype in Synovial Fluid Depends on Albumin, Fibrinogen, and Hyaluronic Acid. <i>Frontiers in Microbiology</i> , 2021, 12, 655873. | 1.5 | 17 |
| 8 | The porcine accessory carpal bone as a model for biologic joint replacement for trapeziometacarpal osteoarthritis. <i>Acta Biomaterialia</i> , 2021, 129, 159-168. | 4.1 | 1 |
| 9 | V-Gel® Guided Endotracheal Intubation in Rabbits. <i>Frontiers in Veterinary Science</i> , 2021, 8, 684624. | 0.9 | 6 |
| 10 | 168. Minimally invasive hydrogel nucleoplasty in a goat model of moderate severity disc degeneration. <i>Spine Journal</i> , 2021, 21, S84. | 0.6 | 1 |
| 11 | Platelet-rich plasma lysate displays antibiofilm properties and restores antimicrobial activity against synovial fluid biofilms in vitro. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1365-1374. | 1.2 | 27 |
| 12 | Accepting higher morbidity in exchange for sacrificing fewer animals in studies developing novel infection-control strategies. <i>Biomaterials</i> , 2020, 232, 119737. | 5.7 | 16 |
| 13 | Fatal Ovarian Hemorrhage Associated With Anticoagulation Therapy in a Yucatan Mini-Pig Following Venous Stent Implantation. <i>Frontiers in Veterinary Science</i> , 2020, 7, 18. | 0.9 | 2 |
| 14 | Inflammatory cytokine and catabolic enzyme expression in a goat model of intervertebral disc degeneration. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2521-2531. | 1.2 | 28 |
| 15 | Ultrasound Triggered Microbubble Destruction for Disrupting Biofilms in Synovial Fluid. , 2020, , . | | 0 |
| 16 | Equine or porcine synovial fluid as a novel ex vivo model for the study of bacterial free-floating biofilms that form in human joint infections. <i>PLoS ONE</i> , 2019, 14, e0221012. | 1.1 | 54 |
| 17 | 2018 international consensus meeting on musculoskeletal infection: Summary from the biofilm workgroup and consensus on biofilm related musculoskeletal infections. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1007-1017. | 1.2 | 113 |
| 18 | Recommendations for design and conduct of preclinical in vivo studies of orthopedic device-related infection. <i>Journal of Orthopaedic Research</i> , 2019, 37, 271-287. | 1.2 | 38 |

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|----|---|-----|-----------|
| 19 | Clinical Findings, Treatments and Outcomes in Farm Animals with Vertebral Fractures or Luxations: 22 Cases (2006–2017). <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2019, 32, 492-498. | 0.2 | 4 |
| 20 | General Assembly, Research Caveats: Proceedings of International Consensus on Orthopedic Infections. <i>Journal of Arthroplasty</i> , 2019, 34, S245-S253.e1. | 1.5 | 7 |
| 21 | Gram-negative multi-drug resistant bacteria influence survival to discharge for horses with septic synovial structures: 206 Cases (2010–2015). <i>Veterinary Microbiology</i> , 2018, 226, 64-73. | 0.8 | 22 |
| 22 | Long-term mechanical function and integration of an implanted tissue-engineered intervertebral disc. <i>Science Translational Medicine</i> , 2018, 10, . | 5.8 | 82 |
| 23 | Pooled Platelet-Rich Plasma Lysate Therapy Increases Synoviocyte Proliferation and Hyaluronic Acid Production While Protecting Chondrocytes From Synoviocyte-Derived Inflammatory Mediators. <i>Frontiers in Veterinary Science</i> , 2018, 5, 150. | 0.9 | 34 |
| 24 | Evaluation of the analgesic and pharmacokinetic properties of transdermally administered fentanyl in goats. <i>Journal of Veterinary Emergency and Critical Care</i> , 2017, 27, 539-547. | 0.4 | 9 |
| 25 | Translation of an injectable triple-interpenetrating-network hydrogel for intervertebral disc regeneration in a goat model. <i>Acta Biomaterialia</i> , 2017, 60, 201-209. | 4.1 | 65 |
| 26 | A large animal model that recapitulates the spectrum of human intervertebral disc degeneration. <i>Osteoarthritis and Cartilage</i> , 2017, 25, 146-156. | 0.6 | 54 |
| 27 | Effects of Mesenchymal Stem Cell and Growth Factor Delivery on Cartilage Repair in a Mini-Pig Model. <i>Cartilage</i> , 2016, 7, 174-184. | 1.4 | 35 |
| 28 | Risk Factors Associated With Survival to Hospital Discharge of 54 Horses With Fractures of the Radius. <i>Veterinary Surgery</i> , 2015, 44, 1036-1041. | 0.5 | 25 |
| 29 | Cartilage Repair and Subchondral Bone Remodeling in Response to Focal Lesions in a Mini-Pig Model: Implications for Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2015, 21, 850-860. | 1.6 | 72 |
| 30 | Injectable radiopaque and bioactive polycaprolactone–ceramic composites for orthopedic augmentation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 1465-1477. | 1.6 | 19 |
| 31 | Repair of dense connective tissues via biomaterial-mediated matrix reprogramming of the wound interface. <i>Biomaterials</i> , 2015, 39, 85-94. | 5.7 | 67 |
| 32 | Bactericidal Micron-Thin Sol–Gel Films Prevent Pin Tract and Periprosthetic Infection. <i>Military Medicine</i> , 2014, 179, 29-33. | 0.4 | 14 |
| 33 | Prosthesis Selection. <i>Journal of Orthopaedic Research</i> , 2014, 32, S90-7. | 1.2 | 0 |
| 34 | Large Animal Models of Disc Degeneration. , 2014, , 291-303. | | 3 |
| 35 | Prosthesis Selection. <i>Journal of Arthroplasty</i> , 2014, 29, 71-76. | 1.5 | 12 |
| 36 | Arthroscopy of the normal cadaveric ovine femorotibial joint: a systematic approach to the cranial and caudal compartments. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2014, 27, 387-394. | 0.2 | 4 |

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|----|---|-----|-----------|
| 37 | Vancomycin-Modified Implant Surface Inhibits Biofilm Formation and Supports Bone-Healing in an Infected Osteotomy Model in Sheep. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 1406-1415. | 1.4 | 106 |
| 38 | Comparison of Animal Discs Used in Disc Research to Human Lumbar Disc. <i>Spine</i> , 2012, 37, E900-E907. | 1.0 | 222 |
| 39 | Intravenous technetium-99m labelled PEG-liposomes in horses: A safety and biodistribution study. <i>Equine Veterinary Journal</i> , 2012, 44, 196-202. | 0.9 | 11 |
| 40 | Hydrophobic polycationic coatings that inhibit biofilms and support bone healing during infection. <i>Biomaterials</i> , 2012, 33, 1245-1254. | 5.7 | 139 |
| 41 | Molecular engineering of an orthopaedic implant: from bench to bedside. , 2012, 23, 362-370. | | 27 |
| 42 | Influence of a Resilient, Hard Carbon Thin Film on Drilling Efficiency and Thermogenesis. <i>Veterinary Surgery</i> , 2011, 40, 875-880. | 0.5 | 3 |
| 43 | Evaluation of equine peripheral blood apheresis product, bone marrow, and adipose tissue as sources of mesenchymal stem cells and their differentiation potential. <i>American Journal of Veterinary Research</i> , 2011, 72, 127-133. | 0.3 | 23 |
| 44 | Disc Torsion Mechanics: Comparison of Animal Models to Human. , 2011, , . | | 0 |
| 45 | Perioperative ruminal pH changes in domestic sheep (<i>Ovis aries</i>) housed in a biomedical research setting. <i>Journal of the American Association for Laboratory Animal Science</i> , 2011, 50, 27-32. | 0.6 | 25 |
| 46 | Proximal interphalangeal arthrodesis in 22 horses. <i>Equine Veterinary Journal</i> , 2010, 33, 360-365. | 0.9 | 53 |
| 47 | Conservative management of 17 horses with nonarticular fractures of the tibial tuberosity. <i>Equine Veterinary Journal</i> , 2010, 35, 202-206. | 0.9 | 16 |
| 48 | Evaluation of a Fiber Reinforced Drillable Bone Cement for Screw Augmentation in a Sheep Model—Mechanical Testing. <i>Clinical and Translational Science</i> , 2010, 3, 112-115. | 1.5 | 5 |
| 49 | Toward an understanding of the role of notochordal cells in the adult intervertebral disc: From discord to accord. <i>Developmental Dynamics</i> , 2010, 239, 2141-2148. | 0.8 | 141 |
| 50 | Orthopedic Infections in Equine Long Bone Fractures and Arthrodeses Treated by Internal Fixation: 192 Cases (1990-2006). <i>Veterinary Surgery</i> , 2010, 39, 588-593. | 0.5 | 88 |
| 51 | Pharmacokinetics of fentanyl administered transdermally and intravenously in sheep. <i>American Journal of Veterinary Research</i> , 2010, 71, 1127-1132. | 0.3 | 41 |
| 52 | Comparison of the analgesic properties of transdermally administered fentanyl and intramuscularly administered buprenorphine during and following experimental orthopedic surgery in sheep. <i>American Journal of Veterinary Research</i> , 2009, 70, 418-422. | 0.3 | 49 |
| 53 | Meniscus Tissue Engineering on the Nanoscale — From Basic Principles to Clinical Application. <i>Journal of Knee Surgery</i> , 2009, 22, 45-59. | 0.9 | 27 |
| 54 | Preclinical animal models in single site cartilage defect testing: a systematic review. <i>Osteoarthritis and Cartilage</i> , 2009, 17, 705-713. | 0.6 | 231 |

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|----|--|-----|-----------|
| 55 | Percutaneous endovascular retrieval of an intravascular foreign body in five dogs, a goat, and a horse. <i>Journal of the American Veterinary Medical Association</i> , 2008, 232, 1850-1856. | 0.2 | 25 |
| 56 | Comparison of Animal Discs Used in Disc Research to Human Lumbar Disc. <i>Spine</i> , 2008, 33, E166-E173. | 1.0 | 240 |
| 57 | Nucleus pulposus cells express HIF-1 \pm under normoxic culture conditions: A metabolic adaptation to the intervertebral disc microenvironment. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 152-159. | 1.2 | 227 |
| 58 | Pneumopericardium in a horse secondary to sternal bone marrow aspiration. <i>Equine Veterinary Education</i> , 2006, 18, 75-79. | 0.3 | 39 |
| 59 | Rupture of the gastrocnemius muscle in six foals. <i>Journal of the American Veterinary Medical Association</i> , 2005, 227, 1965-1968. | 0.2 | 23 |
| 60 | Disseminated blastomycosis in a miniature horse. <i>Equine Veterinary Education</i> , 2003, 15, 139-142. | 0.3 | 13 |
| 61 | <i>Clostridium perfringens</i> Urachitis and Uroperitoneum in 2 Neonatal Foals. <i>Journal of Veterinary Internal Medicine</i> , 2002, 16, 489-493. | 0.6 | 14 |
| 62 | <i>Clostridium perfringens</i> urachitis and uroperitoneum in 2 neonatal foals. <i>Journal of Veterinary Internal Medicine</i> , 2002, 16, 489-93. | 0.6 | 2 |
| 63 | Preclinical Animal Models. , 0, , . | | 1 |