

Biomerix Bibliography



Biomerix Biomaterial

Title	Citation
Biodurable Reticulated Elastomeric Matrix as Scaffolds for Tissue Engineering Authors: Craig Friedman; Yong Song; Arindam Datta; Larry Lavelle; R. Majmundar	Abstract. American Institute of Chemical Engineers, Nov 2008
A Family of Novel Biostable Reticulated Elastomeric and Resilient Biointegrative Crosslinked Polyurethane-Urea Scaffolds Authors: Arindam Datta; Larry Lavelle	Biomaterials Science: Processing, Properties and Applications V, October 2015, Wiley
Novel Biointegrative Cross-linked Degradable Polyurethane Scaffold Matrix Authors: Arindam Datta; Larry Lavelle; Katherine Andrade; Daniel Grande	Abstract & Poster. Society for Biomaterials, April 2013

Regenerative Medicine

Title	Citation
A Novel Flow-Perfusion Bioreactor Supports 3D Dynamic Cell Culture Authors: Alexander M. Sailon; Alexander C. Allori; Edwards H. Davidson; Derek D. Reformat; Robert J. Allen Jr.; Stephen M. Warren	J Biomed Biotechnol. 2009; 2009:873816. Epub 2009 Dec 9
Ectopic Human Mesenchymal Stem Cell-Coated Scaffolds in NOD/SCID Mice: An In-Vivo Model of the Leukemia Niche Authors: Sarah R. Vaiselbuh; Morris Edelman; Jeffrey M. Lipton; Johnson M. Liu	Tissue Eng Part C Methods. 2010 Dec;16(6):1523-31. Epub 2010 Jun 29
Improved Cellular Infiltration Into Nanofibrous Electrospun Cross-Linked Gelatin Scaffolds Templated with Micrometer-Sized Polyethylene Glycol Fibers Authors: Maciej Skotak; Jorge Ragusa; Daniela Gonzalez; Anuradha Subramanian	Biomed Mater. 2011 Oct; 6(5):055012. Epub 2011 Sep 19

Soft Tissue Repair

Title	Citation
Histopathologic Host Response to Polypropylene-Based Surgical Mesh Materials in a Rat Abdominal Wall Defect Model Authors: Alexander Huber; Alan Boruch; Alejandro Nieponice; Hongbin Jiang; Christopher Medberry; Stephen F. Badylak	J Biomed Mater Res B Appl Biomater. 2012 Apr;100(3):709-17
Composite Mesh Incorporating Biointegrative Reticulated Elastomeric Matrix for Hernia Repair Authors: Arindam Datta; Gene Park; Dave Pearce; Larry Lavelle; Katherine Andrade; Maybelle Jordan	Abstract & Poster. Society for Biomaterials, April 2011
Biointegrative Reticulated Elastomeric Matrix for Ventral Hernia Repair Authors: Arindam Datta; Gene Park; Dave Pearce; Larry Lavelle; Katherine Andrade; Maybelle Jordan	Abstract & Poster. Society for Biomaterials, April 2011
Laparoscopic Repair of Inguinal Hernia with Biomimetic Matrix Author: Arthur Fine, MD	JSLs. 2012 Oct-Dec;16(4):564-8
Initial Results With a New Composite Prosthesis Which Combines Properties of a Synthetic Mesh and a Biologic for the Repair of an Inguinal Hernia Authors: Shreya J. Shetty; Samir S. Awad MD; Robert J. Fitzgibbons Jr., MD	Unpublished Manuscript, 2012

Orthopedics

Title	Citation
Biocompatibility of a Polymer Patch for Rotator Cuff Repair Authors: Brian J. Cole; Andreas H. Gomoll; Adam Yanke; Tamara Pylawka; Paul Lewis; John D. MacGillivray; James M. Williams	Knee Surg Sports Traumatol Arthrosc. 2007 May;15(5):632-7
Biomechanical Analysis of an Ovine Rotator Cuff Repair Via Porous Patch Augmentation in a Chronic Rupture Model Authors: Brandon G. Santoni; Kirk C. McGilvray; Amy S. Lyons; Manjula Bansal; Simon A. Turner; John D. MacGillivray; Struan H. Coleman; Christian M. Puttlitz	Am J Sports Med. 2010 Apr; 38(4):679-86
Rotator Cuff Repair Augmentation Using a Novel Polycarbonate Polyurethane Patch: Preliminary Results at Twelve Months Follow-up Authors: Ivan Encalada-Diaz; Brian J. Cole; John D. MacGillivray; Michell Ruiz-Suarez; James S. Kercher; Nicole A. Friel; Fernando Valero-Gonzalez	J Shoulder Elbow Surg. 2011 Jul;20(5):788-94. Epub 2010 Nov 24
Optimization of Degradation Profile for New Scaffold In Cartilage Repair Authors: Sarav Shah; Haixiang Liang; Sandeep Pandit; Zalak Parikh; John A. Schwartz; Todd Goldstein; Lawrence Lavelle; Arindam Datta; Daniel A. Grande	Cartilage. 2018 Oct;9(4):438-449

Vascular Embolization

Title	Citation
Evaluation of a Novel Endoluminal Vascular Occlusion Device in a Porcine Model: Early and Late Follow-up Authors: Nicholas Kipshidze, MD, PhD; Kakha Sadzaglishvili, MD; Matthew Panarella, DVM; Elias A. Rivera, MHS; Renu Virmani, MD; Martin B. Leon, MD	J Endovasc Ther. 2005 Aug;12(4):486-94
Treatment of Type II Endoleaks with a Novel Polyurethane Thrombogenic Foam: Induction of Endoleak Thrombosis and Elimination of Intra-Aneurysmal Pressure in the Canine Model Authors: Jason Y. Rhee, BA; Susan M. Trocciola, MD; Rajeev Dayal, MD; Stephanie Lin, MD; Rabih Chaer, MD; Naveen Kumar, MD; Albeir Mousa, MD; Joshua Bernheim, MD; Paul Christos, MPH, MS; Martin Prince, MD; Michael L. Marin, MD; Ronald Gordon, MD; Juan Badimon, PhD; Valentin Fuster, MD, PhD; K. Craig Kent, MD; and Peter L. Faries, MD	J Vasc Surg. 2005 Aug;42(2):321-8
Biointegrative and Biodurable Reticulated Elastomeric Matrix for Intracranial Aneurysm Therapy Authors: Steve Meyer; Arindam Datta; Dave Pearce; Larry Lavelle; Balakrishna Haridas; Maybelle Jordan	Abstract & Poster. Society for Biomaterials, April 2010

Gastrointestinal

Title	Citation
Omentum Patch Substitute for Facilitating Endoscopic Repair of GI Perforations: An Early Laparoscopic Pilot Study With a Foam Matrix Plug Authors: Eduardo A. Bonin, MD; Juliane Bingener, MD; Elizabeth Rajan, MD; Mary Knipschild; Christopher J. Gostout, MD	Gastrointest Endosc. 2013 Jan; 77(1):123-30