



Clemson University Research Foundation

### US Patents Issued in 2016

\*denotes Clemson University inventor

<b>Patent No.</b>	<b>Title</b>	<b>Inventors</b>
9,371,451	Deposition of Nanocrystalline Calcite on Surfaces by a Tissue and Cellular Biomineralization	Andrew S. Mount* Neeraj Gohad MaryBeth Johnstone
9,506,166	Method for Forming Heterogeneous Single Garnet Based Crystals for Passive Q-Switched Lasers and Microlasers	Joseph W. Kolis* Colin D. McMillen* Matthew Mann
9,493,887	Heterogeneous Single Vanadate Based Crystals for Q-Switched Lasers and Microlasers and Method for Forming Same	Joseph W. Kolis* Colin D. McMillen* Matthew Mann
9,492,554	Methods and Compositions Related to Viral Inhibition	Dev P. Arya* Nihar Ranjan Sunil Kumar
9,283,301	Shape-Memory Sponge Hydrogel Biomaterial	Dan T. Simionescu* Jeremy J. Mercuri*
9,469,915	Hydrothermal Growth of Heterogeneous Single Crystals Exhibiting Amplified Spontaneous Emission Suppression	Joseph W. Kolis* Colin D. McMillen*
9,383,292	Flexible Fiber-Based Micro and Nanofluidics for Probing Liquids	Konstantin G. Kornev* Chen-Chih Tsai
9,464,994	High Sensitivity Tunable Radio Frequency Sensors	Pingshan Wang* Yan Cui* David C. Moline* Yuxi He Jiwei Sun
9,283,241	Treatment to Render Implants Resistant to Diabetes	Agneta Simionescu* Dan T. Simionescu* James Chow
9,340,446	Optical Apparatus and Method of Forming a Gradient Index Device	Kathleen Richardson David Musgraves Peter Wachtel
9,393,123	Lockable Implants	John D. DesJardins* Eric Lucas
9,507,367	Method and System for Dynamic Stochastic Optimal Electric Power Flow Control	Ganesh Kumar Venayagamoorthy*
9,353,313	Microdevices and Methods of Manufacture	Christopher L. Kitchens*
9,441,241	Methods and Compositions for Transgenic Plants with Enhanced Resistance to Biotic and Abiotic Stress	Hong Luo* Halina T. Knap* Zhigang Li* Qian Hu* April Warner
9,283,298	Compliant Surgical Adhesive	Jiro Nagatomi* Kenneth Webb* Olin T. Mefford* Lindsey Sanders
9,506,187	Textile Dyeing Using Nanocellulosic Fibers	Igor A. Luzinov*
9,320,635	Semi-rigid Shoulder Braces and Related Methods	Chelsea Ex-Lubeskie Meredith Donaldson Riley Csernica Kaitlin Grove Charles Thigpen*