

KELLY BURKE

1. CAREER: Liquid Crystallinity as a Tool to Probe Cell and Protein Behavior in Gel Biomaterials, National Science Foundation, \$582,469, 5/15/20-4/31/25

YANG CAO

1. Large Scale Quality Assurance and Longevity Testing on Novel Motor Insulation Materials for High Torque Density, ONR, N0014-19-1-2306, \$600k, PI, 6/1/2019-5/31/2022
2. Accelerated co-designs of High-k Polymer Dielectrics, ONR, N0014-19-1-2304, \$465k, PI, 3/1/2019-2/28/2022
3. MURI-Tracking, Diagnosing and Impeding Dielectric Breakdown in Polymers, ONR, N00014-17-1-2656, \$7.5M, 8/1/2017 – 7/31/2022

ELENA DORMIDONTOVA

1. Competitive polymer hydration and confinement in nanomaterials, National Science Foundation, NSF (DMR), \$343,571, 08/01/2019-07/31/2022
2. Computer Modeling of Molecular Self-Assembly: Exploring Chemical Nature Effect, 2020 UConn Scholarship Facilitation fund award, \$2000

MARTIN HAN

1. Focused Ultrasound Neural Stimulation for Spinal Cord Injury, Dept. of Defense-Army CDMRP (Role: Co-PI), W81XWH-17-1-0538, \$308,450 (UConn), 9/15/2017 - 9/14/2020
2. NIH/NIDCD (Role: P.I.) 3/19/2015 - 2/29/2021 (No cost extension)

RAINER HEBERT

1. Searching for novel additively manufacturable Al alloys for aerospace applications, Collins Aerospace, \$200,000 (Co-PI), 1/1/20-12/31/20
2. Electron microscopy studies of AM parts, Thermo Fisher Scientific, \$100,000, 7/1/19-6/30/20

SEOK-WOO LEE

1. Unraveling Mechanics of High Strength and Low Stiffness in Polymer Nanocomposites through Integrated Molecular Modeling and Nanomechanical Experiments, National Science Foundation (NSF), Mechanics of Materials and Structures, \$596,892, (09/01/2019 - 08/31/2022)

SERGE NAKHMANSON

1. Modeling and Simulation of Artificial Interfacial Solids for High ZT Thermoelectrics, ONR, \$50K, March - December 2020

MU-PING NIEH

1. CT BioScience Pipeline, \$30,000, PI, 2020
2. UCONN-START, \$10,000, PI, 2018 - 2019
3. Moderna Therapeutics Inc., \$255,000.00, PI, 2016 - 2019
4. NSF (CBET-Particulate & Multiphase Processes), \$369,482.00, PI, 2016 - 2019

STEVEN SUIB

1. Collaborative Research: Selective Oxidation Catalysis on Oxides Containing Pores of Molecular Dimensions, NSF/ENG/Directorate for Engineering, Steven L. Suib (PI), \$115,289, 9/1/18 – 8/31/21
2. Development of Chromium and Sulfur Getter with for SOFC System: Demonstration at TRL-5, DOE/Department of Energy, Singh, Prabhakar (PI), \$500,000, 10/01/16 - 06/30/20
3. Electrolyzer Integrated Modular Nano-Array Monolithic Catalytic Reactors for Low Pressure/Temperature and High Flux Synthetic Fuel Production, DOE/Department of Energy/Skyre, Puxian Gao (PI), \$700,000.00, 10/01/18 - 12/31/21
4. Controlled Porosity and Surface Coatings for Advanced Gas Diffusion Layers, DOE/Department of Energy/Physical Sciences, Steven L. Suib (PI) 61-8011-46, \$181,674.00, 07/01/19 - 05/27/21
5. Automated Workflows for Materials Characterization in Industrial Engineering, FEI Company, Steven L. Suib (PI), \$500,000.00, 07/01/15 - 06/30/20
6. Continuing Investigations in Chemical Vapor Deposition (CVD) Coating in SiC Tow, United Technologies-Pratt & Whitney, Steven L. Suib (PI), \$82,000.00, 07/01/19 - 12/31/20, Investigations in Chemical Vapor Deposition (CVD) Coating in SiC Tow, United Technologies-Pratt & Whitney, Steven L. Suib (PI), \$28,000.00; 05/27/19 - 12/31/20

7. Engineering 3D Printed Bioelectronics as Smart Self-Oxygenating Tissue, Scaffold, DHHS/NIH/National Institutes of Health/Rowan University, Steven L. Suib (PI), \$288,126.00, 01/01/20 - 12/31/24
8. Enabling High Efficiency Carbon Dioxide Conversion via Plasma Energetics, DOE/Department of Energy/Giner, Steven L. Suib (PI), \$60,000.00; 06/29/20 - 03/28/21
9. Highly Selective Non-Protein Nanoparticles for Antibody Purification, National Science Foundation, \$491,976.00, 08/23/20 - 08/22/23
10. ABB 2020 - Conductive Films, ABB, Steven L. Suib (PI), \$100,000.00, 01/01/20 - 12/31/20
11. Collins Aerospace Center of Excellence: High Temperature Composites, United Technologies-Collins Aerospace, Steven L. Suib (PI), \$200,000.00, 01/01/20 - 12/31/20

LUYI SUN

1. A New Class of Heterogeneous Catalysts Based on Single-Layer Nanosheets (Sole PI); ACS PRF; \$110,000; 01/01/2017-08/31/2020