

Principal Investigator	Title	Institution	City	State	Zip Code
Fuchs, Matthias	High-efficiency, high-current laser-driven electron injector	The Board of Regents, University of Nebraska for the University of Nebraska-Lincoln	Lincoln	Nebraska	68583-0861
Bennett, Jake	CP violation searches and distributed computing development with the Belle II experiment at the University of Mississippi and Brookhaven National Lab	University of Mississippi	University	Mississippi	38677-1848
Aidhy, Dilpuneet	Understanding twinning and deformation in high entropy alloys	University of Wyoming	Laramie	Wyoming	82071-2000
Plumb, Kemp	Deciphering Low Energy Spin and Orbital Dynamics in Frustrated Quantum Magnets	Brown University	Providence	Rhode Island	02912-2912
Gardner, William	Investigating Subsurface Flow in Mountainous Catchments	University of Montana	Missoula	Montana	59801-4352
Miller, Anne-Frances	Gating electron transfer in biological energy storage and conversion	University of Kentucky Research Foundation	Lexington	Kentucky	40526-0001
Tian, Jifa	Exploring Nontrivial Topological Superconductivity in 2M WS ₂ for Topological Quantum Computation	University of Wyoming	Laramie	Wyoming	82071-2000
Cen, Cheng	Optically controlled quantum phase transitions at Van der Waals interfaces	West Virginia University	Morgantown	West Virginia	26506-6845
Lucht, Brett	Role of electrolyte in silicon electrolyte interface stabilization	University of Rhode Island	Kingston	Rhode Island	02881-1967
Rosenthal, Joel	Probing the Sustainable Reduction of CO ₂ , N ₂ and NO ₃ ⁻ to Fuels and Chemicals using Non-Traditional Porphyrinoid Catalysts	University Of Delaware	Newark	Delaware	19716-0099
Wang, Xiaoliang	Optimizing Aerodynamic Focusing Lenses for Nano- to Supermicron-Particles	Board of Regents, obo, Nevada System of Higher Education (NSHE) - Desert Research Institute	Reno	Nevada	89512-1095
Fleming, Robert	Fundamental Studies of Soiling and Cementation of PV Cover Glass Materials: Addressing Reliability with Advanced X-ray Scattering/Spectroscopy and First Principles Modeling	Arkansas State University	State University	Arkansas	72467-2467
Liu, Jifeng	High-Strength, High-Ductility, High Entropy Alloys with High-Efficiency Native Oxide Solar Absorbers for Concentrating Solar Power Systems	Trustees of Dartmouth College	Hanover	New Hampshire	03755-1421

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Narayanan, Badri	Controlling reversible phase transitions in rare-earth nickelates for novel memory devices	University of Louisville Research Foundation, Inc.	Louisville	Kentucky	40292-2042
Wang, Hui	Novel Superionic Na Conductors for Solid-State Na batteries: Materials and Interface.	University of Louisville Research Foundation, Inc.	Louisville	Kentucky	40292-2042
Liu, Bin	Data-driven Approach for Controlled Icosahedral Boron-Rich Compound Growth	Kansas State University	Manhattan	Kansas	66506-1103
Romero, Aldo	Applications of Nickelate perovskites for neuromorphic computing from electronic structure and Machine Learning	West Virginia University	Morgantown	West Virginia	26506-6845
Capraz, Omer	Elucidating the Link Between Alkali Metal Ions and Reaction-Transport Mechanisms in Cathode Electrodes for Alkali-ion Batteries	Oklahoma State University	Stillwater	Oklahoma	74078-1020
Biedron, Sandra	Data-Science Enabled, Robust and Rapid MeV Ultrafast Electron Diffraction Instrument System to Characterize Materials Including for Quantum and Energy Applications	University of New Mexico	Albuquerque	New Mexico	87131-0001
Kolobov, Vladamir	Self Organization of Plasma-Material Interfaces	University of Alabama in Huntsville	Huntsville	Alabama	35899-1191
Kilina, Svetlana	Spin-Controllable Dynamics in Defect-Engineered Carbon Nanotubes as Single Photon Emitters: Data Driven Modeling and Computation	North Dakota State University	Fargo	North Dakota	58108-6050
Yu, Lipeng	Artificial-Intelligence Aided Design and Synthesis of Novel Layered 2D Multi-Principal Element Materials for Energy Storage	University of Maine	Orono	Maine	04469-5717
Greenlee, Lauren	In Pursuit of Unambiguous Determination of Fe(III) versus Fe(IV) in Transition Metal Oxide Electrocatalysts	University of Arkansas	Fayetteville	Arkansas	72701-1201
Villegas-Pico, Hugo	Orchestrating the Restoration of Wind-Dominant Grids from Blackouts	Iowa State University of Science and Technology	Ames	Iowa	50011-2207
Lee, Dongkyu	Orienting Strained Interfaces designed to Direct Energy Flow	University of South Carolina	Columbia	South Carolina	29208-0001
Wold, Josh	A comprehensive framework for validating simulation models of power system equipment using terminal measurements	Montana Tech of the University of Montana	Butte	Montana	59701-8932
Marino Valle, Alberto	Quantum Enhanced Fiber Sensing for Oil and Gas Applications	Board of Regents of the University of Oklahoma	Norman	Oklahoma	73019-9705

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Pilla, Srikanth	Enabling Partnership between South Carolina and NREL for Advancing Opportunities in Plastics Recycling Research (EPSCOR for Plastics Recycling)	Clemson University	Clemson	South Carolina	29634-5702
Kirkland, Catherine	Investigating Material Properties of Subsurface Rock Formations Modified by Engineering Mineral Precipitation	Montana State University	Bozeman	Montana	59717-2470
Lapi, Suzanne	Production, Purification and Characterization of Radioisotopes via Neutron Spallation	The University of Alabama at Birmingham	Birmingham	Alabama	35294-0001
Rao, Prahalada	Understanding the Thermal Physics and Metallurgy of Metal Big Area Additive Manufacturing	The Board of Regents, University of Nebraska for the University of Nebraska-Lincoln	Lincoln	Nebraska	68583-0861