

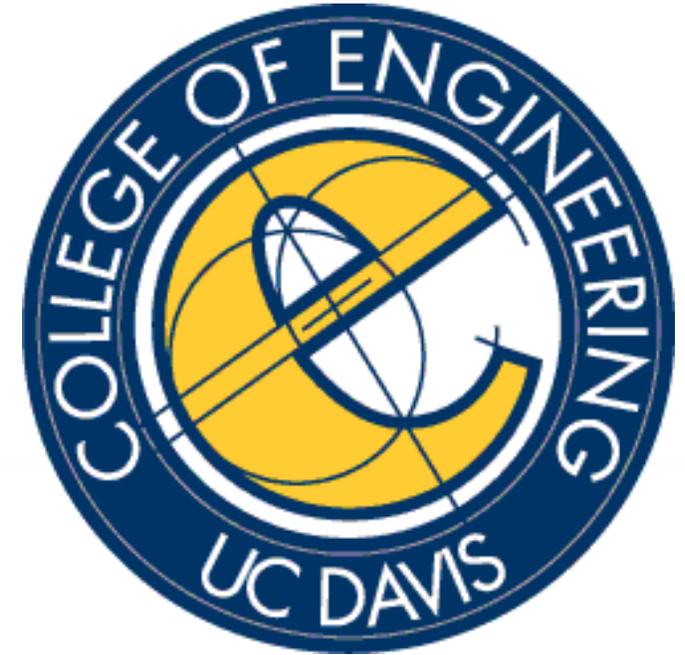
# UC Davis | College of Engineering

Overview

**Ricardo H.R. Castro**

Associate Dean of Research and Graduate Studies

*Professor, Department of Materials Science and Engineering*



**UC DAVIS**  
UNIVERSITY OF CALIFORNIA



**Biological &  
Agricultural  
Engineering**



**Biomedical  
Engineering**



**Chemical  
Engineering**



**Civil and  
Environmental  
Engineering**



**Electrical &  
Computer  
Engineering**



**Computer  
Science**



**Materials  
Science &  
Engineering**



**Mechanical &  
Aerospace  
Engineering**



**Transportation  
Technology &  
Policy**

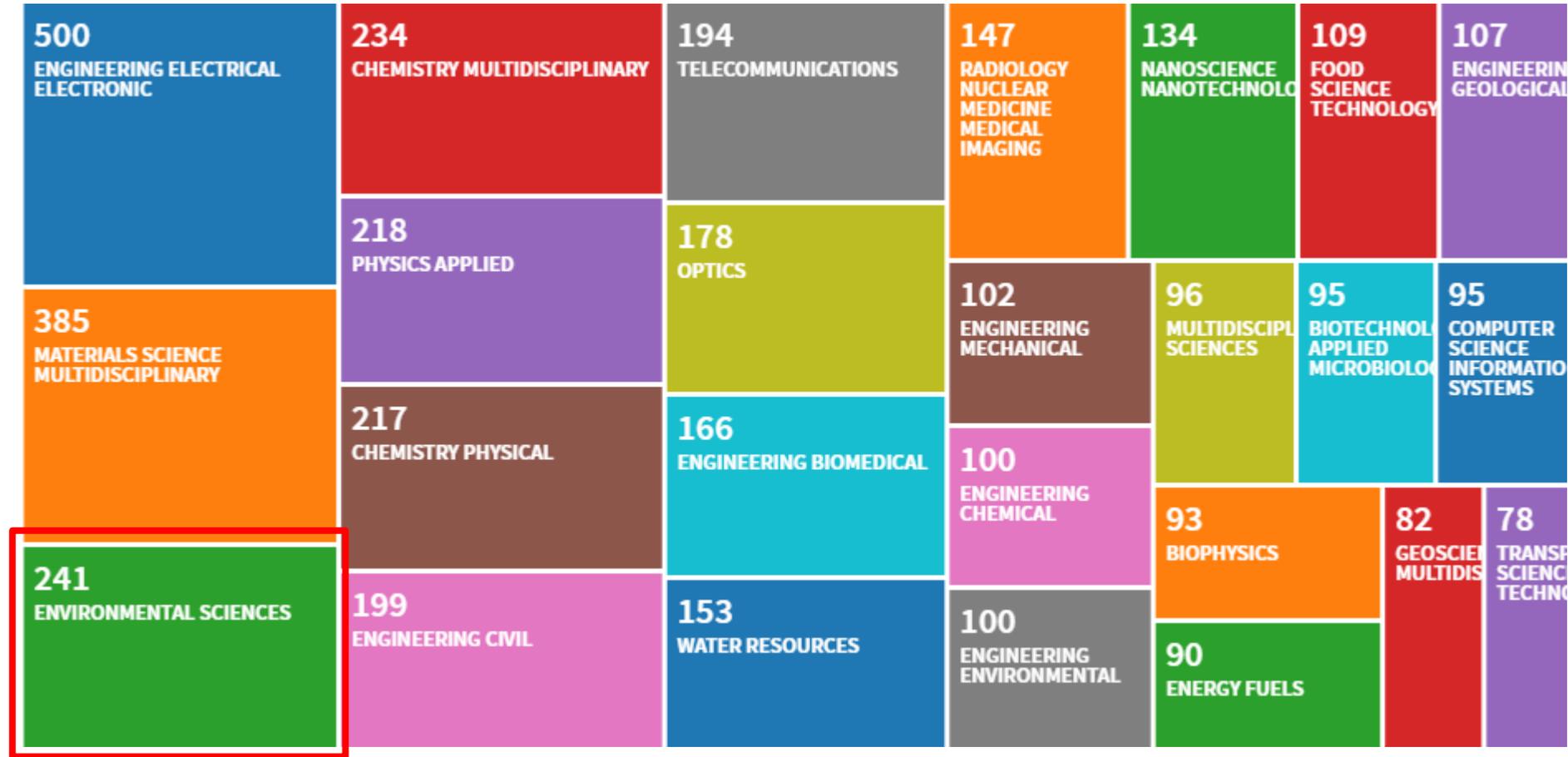


**Energy  
Systems**

# \$90.5 million

extramural research expenditures (2019)

# COE Publications\*

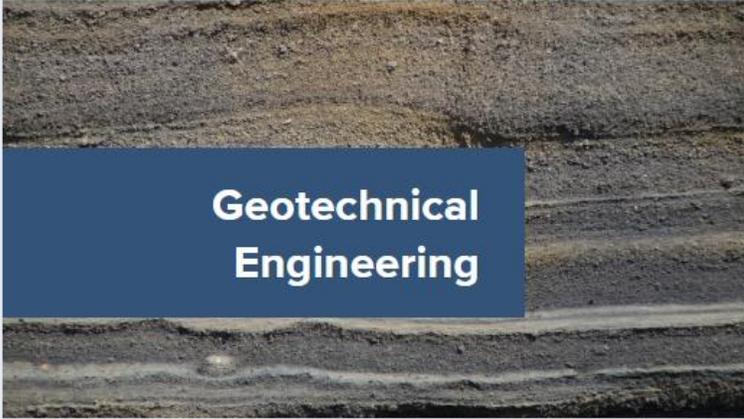


Past 5 years - every journal and book covered by *Web of Science* core collection is assigned to at least one of the following subject categories. Every record in *Web of Science* core collection contains the subject category of its source publication in the *Web of Science Categories* field.

# Civil and Environmental Engineering @ UC Davis



Environmental  
Engineering



Geotechnical  
Engineering



Structural  
Engineering and  
Structural Mechanics



Transportation  
Engineering



Water Resources  
Engineering



USNews #12

# UC MULTICAMPUS-NATIONAL LAB COLLABORATIVE RESEARCH AND TRAINING AWARDS

Six proposals, totaling more than \$21 million over three years, were awarded in three targeted areas of research that leverage UC-national lab synergy: accelerator research, quantum information science, and wildfire-related research. Collaborations represent genuine engagement among faculty, laboratory scientists and students across UC campuses and Lawrence Livermore, Los Alamos and Lawrence Berkeley National Laboratories.

## ASSESSMENT AND MITIGATION OF WILDFIRE INDUCED AIR POLLUTION

- Lead Principal Investigator: Michele Barbato, Ph.D., UC Davis
- Collaborating Sites: Berkeley, Irvine, Los Angeles, Merced, Lawrence Livermore, Los Alamos

ENABLING SCALABLE QUANTUM COMPUTING (UCR)  
TOPOLOGICAL MATERIALS FOR MAJORANA-BASED QUANTUM INFORMATION (UCSD)  
TRANSFORMING PRESCRIBED FIRE PRACTICES FOR CALIFORNIA (UCI)  
MITIGATING AND MANAGING EXTREME WILDFIRE RISK IN CALIFORNIA (UCSB)  
ADVANCED DETECTORS FOR XFELS AND PROTON ACCELERATORS (UCD)

- Lead Principal Investigator: Eric Prebys, Ph.D., UC Davis

