

Ilias Belharouak

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Professional Experience

Argonne National Laboratory, IL, USA

- 2001-present: Materials Scientist and Battery Specialist
 - Development of high-power and high-energy lithium-ion batteries for hybrid electric vehicles and plug-in hybrid vehicles.
 - Development of advanced cathodes and anodes materials for high-power and high-energy lithium-ion batteries.
 - Investigation of the inherent safety characteristics high-power lithium-ion batteries.

National Center for Scientific Research, Bordeaux, France

- 1995-2000: Materials scientist & Solid State Chemist
 - Luminescence: synthesis, characterization, and spectroscopic properties of transition metal and rare-earth elements in phosphate materials for Laser and lighting applications.
 - Catalysis: synthesis of open structure oxy-fluoride compounds possessing catalytic properties.

Professional Society Activities

- Electrochemical Society
- Materials Research Society

Awards

- R&D 100 awards, 2005
- Pacesetter award, 2007

Publications

- 5 patents
- 40 peer-reviewed Publications
- 70 technical presentations
- Invited Speaker

Education

- PhD (Honors), Bordeaux 1 University, France
- MSc, (Honors), Bordeaux 1 University, France
- BSc, (Honors), Cadi Ayyad University, Morocco