

Special Issue

Novel Materials for CO₂ Separation

Message from the Guest Editor

The requirement of more energy-efficient water treatment and CO₂ capture and conversion technologies are major global challenges, since the estimated cost of the abrupt sea level rise ranges from \$200 to \$800 trillion over the next 30 years, and the estimated cost of CO₂ capture and storage at \$40/ton of CO₂ captured is on the order of \$16 trillion. Based on this, if the aforementioned cost of the sorption CO₂ capture technologies will be reduced down to \$20/ton of captured CO₂, the estimated savings will range from \$192 to \$792 trillion. For more information, please click: https://www.mdpi.com/journal/materials/special_issues/materials_CO2_separation

Guest Editor

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Message from the Editorial Board

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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