



International Journal of Greenhouse Gas Control

The *International Journal of Greenhouse Gas Control (IJGGC)* is a peer reviewed journal focusing on scientific and engineering developments in greenhouse gas control through capture and storage at large stationary emitters in the power sector and in other major resource, manufacturing and production industries. The Journal covers all greenhouse gas emissions within the power and industrial sectors, and collects both technical and related non-technical literature in one volume. Paper types include: original research papers, review articles and comments.

The scope of the journal includes: CO₂ capture, CO₂ transport; CO₂ geological storage; alternative storage options; system integration and infrastructure development; implementation issues; and more.

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We are proud to announce the publication of Volume 40, our special issue outlining the state of the art in the field, 10 years on from the IPCC Special Report on CO₂ Capture and Storage. Turn over to see an overview of the 17 reviews included.

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Commemorating the 10th year anniversary of the publication of the Intergovernmental Panel on Climate Change Special Report on CO₂ Capture and Storage

Practical experience in post-combustion CO₂ capture using reactive solvents in large pilot and demonstration plants

R. Idem, T. Supap, H. Shi *et al.*

Recent progress and new developments in post-combustion carbon-capture technology with amine based solvents

Z. (Henry) Liang, W. Rongwong, H. Liu *et al.*

Oxyfuel combustion for CO₂ capture in power plants

R. Stanger, T. Wall, R. Spörl *et al.*

Emerging CO₂ capture systems

J.C. Abanades, B. Arias, A. Lyngfelt *et al.*

Pre-combustion CO₂ capture

D. Jansen, M. Gazzani, G. Manzolini *et al.*

Review of CO₂ storage efficiency in deep saline aquifers

S. Bachu

CO₂ migration and pressure evolution in deep saline aquifers

J.T. Birkholzer, C.M. Oldenburg, Q. Zhou

Capillary trapping for geologic carbon dioxide storage - From pore scale physics to field scale implications

S. Krevor, M.J. Blunt, S.M. Benson *et al.*

Convective dissolution of CO₂ in saline aquifers: Progress in modeling and experiments

H. Emami-Meybodi, H. Hassanzadeh, C.P. Green, J. Ennis-King

Subsurface geochemical fate and effects of impurities contained in a CO₂ stream injected into a deepsaline aquifer: What is known

S. Talman

Recent advances in risk assessment and risk management of geologic CO₂ storage

R.J. Pawar, G.S. Bromhal, J.W. Carey *et al.*

The state of the art in monitoring and verification-Ten years on

C. Jenkins, A. Chadwick, S.D. Hovorka

Developments since 2005 in understanding potential environmental impacts of CO₂ leakage from geological storage

D.G. Jones, S.E. Beaubien, J.C. Blackford *et al.*

The cost of CO₂ capture and storage

E.S. Rubin, J.E. Davison, H.J. Herzog

Biomass and carbon dioxide capture and storage: A review

J. Kemper

Legal and Regulatory Developments on CCS

T. Dixon, S.T. McCoy, I. Havercroft

Developments in public communications on CCS

P. Ashworth, S. Wade, D. Reiner X. Liang

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