

1. Record Nr.	UNINA9910480004303321
Titolo	Shortcut nitrogen removal-nitrite shunt and deammonification
Pubbl/distr/stampa	Alexandria, Virginia : , : Water Environment Federation : , : Water Environment Research Foundation, , [2015] ©2015
ISBN	1-57278-319-2 1-5231-0305-1
Descrizione fisica	1 online resource (199 pages) : illustrations
Disciplina	628.1/62
Soggetti	Water - Purification - Nitrogen removal Water - Purification - Biological treatment Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A special publication."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction and rationale -- 2. Process fundamentals-microbiology, stoichiometry, kinetics, and inhibition -- 3. Processes for sidestream nitrite shunt -- 4. Sidestream deammonification -- 5. Mainstream simultaneous nitrification and denitrification and nitrite shunt -- 6. Mainstream deammonification -- 7. Toward energy autarky : carbon redirection coupled with shortcut nitrogen processes -- 8. Process types, flowsheets, and design criteria for implementation -- 9. Future issues and considerations of nutrient management in wastewater treatment.