

1. Record Nr.	UNINA9910574098703321
Titolo	Nitrification [[electronic resource] /] / edited by Bess B. Ward, Daniel J. Arp, Martin G. Klotz
Pubbl/distr/stampa	Washington, D.C., : ASM Press, c2011
ISBN	1-68367-116-3 1-61344-267-X 1-55581-714-9
Descrizione fisica	1 online resource (461 p.)
Altri autori (Persone)	WardBess B ArpD. J KlotzMartin G
Disciplina	572.545
Soggetti	Nitrification Nitrogen - Fixation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Cover""; ""Contents""; ""Contributors""; ""Preface""; ""I: OVERVIEW""; ""1. Nitrification: an Introduction and Overview of the State of the Field""; ""II: AMMONIA-OXIDIZING BACTERIA""; ""2. Ammonia-Oxidizing Bacteria: Their Biochemistry and Molecular Biology""; ""3. Diversity and Environmental Distribution of Ammonia-Oxidizing Bacteria""; ""4. Genomics of Ammonia-Oxidizing Bacteria and Insights into Their Evolution""; ""5. Heterotrophic Nitrification and Nitrifier Denitrification""; ""III: AMMONIA-OXIDIZING ARCHAEA""; ""6. Physiology and Genomics of Ammonia-Oxidizing Archaea"" ""7. Distribution and Activity of Ammonia-Oxidizing Archaea in Natural Environments"" ""IV: ANAEROBIC AMMONIA OXIDATION (ANAMMOX)""; ""8. Metabolism and Genomics of Anammox Bacteria""; ""9. Distribution, Activity, and Ecology of Anammox Bacteria in Aquatic Environments""; ""10. Application of the Anammox Process""; ""V: NITRITE-OXIDIZING BACTERIA""; ""11. Metabolism and Genomics of Nitrite-Oxidizing Bacteria: Emphasis on Studies of Pure Cultures and of Nitrobacter Species""; ""12. Diversity, Environmental Genomics, and Ecophysiology of Nitrite-Oxidizing Bacteria""

""VI: PROCESSES, ECOLOGY, AND ECOSYSTEMS""""13. Nitrification in the Ocean""; ""14. Soil Nitrifiers and Nitrification""; ""15. Nitrification in Inland Waters""; ""16. Nitrification in Wastewater Treatment""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""K""; ""L""; ""M""; ""N""; ""O""; ""P""; ""Q""; ""R""; ""S""; ""T""; ""V""; ""W""

---