

1. Record Nr.	UNINA9910337585103321
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Titolo	Exploration and Production of Oceanic Natural Gas Hydrate : Critical Factors for Commercialization // by Michael D. Max, Arthur H. Johnson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-00401-5
Edizione	[2nd ed. 2019.]
Descrizione fisica	1 online resource (501 pages)
Disciplina	665.7 665.73
Soggetti	Energy Climatic changes Management Industrial management Robotics Automation Mines and mineral resources Energy, general Climate Change Management and Policy Innovation/Technology Management Robotics and Automation Mineral Resources
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Energy Overview: Prospects for Natural Gas -- 2. Economic Characteristics of Deepwater Natural Gas Hydrate -- 3. Exploration for Deepwater Natural Gas Hydrate -- 4. Potential High-Quality Reservoir Sediments in the Gas Hydrate Stability Zone -- 5. Valuation of NGH Deposits -- 6. Deepwater Natural Gas Hydrate Innovation Opportunities -- 7. Leveraging Technology for NGH Development and Production -- 8. New Technology for NGH Development and Production -- 9. Offshore Operations and Logistics -- 10. Energy Resource Risk Factors -- 11. Elements of Commerciality.

This second edition provides extensive information on the attributes of the Natural Gas Hydrate (NGH) system, highlighting opportunities for the innovative use and modification of existing technologies, as well as new approaches and technologies that have the potential to dramatically lower the cost of NGH exploration and production. Above all, the book compares the physical, environmental, and commercial aspects of the NGH system with those of other gas resources. It subsequently argues and demonstrates that natural gas can provide the least expensive energy during the transition to, and possibly within, a renewable energy future, and that NGH poses the lowest environmental risk of all gas resources. Intended as a non-mathematical, descriptive text that should be understandable to non-specialists as well as to engineers concerned with the physical characteristics of NGH reservoirs and their production, the book is written for readers at the university graduate level. It offers a valuable reference guide for environmentalists and the energy community, and includes discussions that will be of great interest to energy industry professionals, legislators, administrators, regulators, and all those concerned with energy options and their respective advantages and disadvantages.

2. Record Nr.	UNINA9910298398603321
Titolo	The Adenosine Receptors // edited by Pier Andrea Borea, Katia Varani, Stefania Gessi, Stefania Merighi, Fabrizio Vincenzi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Humana, , 2018
ISBN	3-319-90808-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XX, 593 p. 71 illus., 29 illus. in color.)
Collana	The Receptors, , 1048-6909 ; ; 34
Disciplina	612.8042
Soggetti	Neurochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Purinergic signalling: an historical overview -- Regulation of extracellular adenosine -- Adenosine receptors: structure, distribution and signal transduction -- Binding thermodynamic characteristics of adenosine receptor ligands -- A1 adenosine receptor agonists, antagonists and allosteric modulators -- A2A adenosine receptor: structure, function and medicinal chemistry -- Medicinal chemistry of A2B adenosine receptors -- A3 adenosine receptor: medicinal chemistry of orthosteric and allosteric ligands and structural probing -- Adenosine Receptors and Neuroinflammation -- Adenosine receptors as paradigm to identify dimer/oligomers of G-protein-coupled receptors and as targets in Parkinson's disease -- Adenosine receptors in Alzheimer's disease -- What is the role of adenosine receptors in Huntington Disease? -- Adenosine receptors: a novel target for homeostatic control of cognition -- Role of Adenosine Receptors in Epileptic Seizures -- Adenosine signaling in brain Ischemia -- Adenosine and traumatic brain injury -- Adenosine and its receptors in pain -- Adenosine signalling in the injured heart -- Adenosine receptors in the lungs -- Adenosine and renal function in health and disease -- Adenosine regulation of the immune system -- Adenosine receptors regulate skeletal biology -- Adenosine receptors in gestational diabetes mellitus and obesity -- Adenosine receptors: current research and their involvement in cancer -- Adenosine receptors as a biological pathway for pulsed electromagnetic fields.

Sommario/riassunto

This book traces the history of adenosine receptor research from molecular biology to medicinal chemistry to behavior, including their implications in disease and potential strategies as therapeutic targets. It provides the reader with a comprehensive overview of the adenosine receptors that includes information on all subtypes - A1, A2A, A2B and A3. Aspects addressed include the most up to date information on their functional distribution in the nervous and peripheral systems, behavioral roles in inflammation, cancer, pain and neurological diseases such as Huntington's disease, Epilepsy, Parkinson's disease and Alzheimer's disease.
