

1. Record Nr.	UNINA9910781434603321
Titolo	Ionization in high-temperature gases : a selection of technical papers based mainly on the American Rocket Society Conference on Ions in Flames and Rocket Exhausts held at Palm Springs, CA, USA, October 10-12, 1962 // editor, Kurt E. Shuler ; associate editor, John B. Fenn
Pubbl/distr/stampa	New York : , : Academic Press, , 1963
ISBN	1-60086-485-6 1-60086-266-7
Descrizione fisica	1 online resource (xiv, 409 pages) : illustrations
Collana	Progress in astronautics and rocketry ; ; v. 12
Altri autori (Persone)	ShulerKurt E <1922-2018> (Kurt Egon) FennJohn B. <1917-2010.>
Disciplina	537.532
Soggetti	Ionization of gases Gases at high temperatures Rockets (Aeronautics) - Ionization phenomena Rocket engines - Exhaust emissions
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""; ""Title""; ""Copyright""; ""The Propellants and Combustion Committee""; ""Preface""; ""Contents""; ""I. Elementary Processes""; ""Thermodynamics and Elementary Processes of Gaseous Ions""; ""Chemi-Ionization and Ion-Molecule Reactions in Gases""; ""II. Ionization in Flames""; ""Nonequilibrium Ionization in Flames""; ""A Survey of Flame Ionization Work at the University of Cambridge""; ""Ionization Phenomena in Flames""; ""Recombination of Ions in Flames""; ""III. Ionization in Shock and Detonation Waves""; ""Ionization behind Shock Waves"" ""Ionization in Gaseous Detonation Waves"" ""IV. Ionization in Rocket Exhausts""; ""Chemistry of Ionization in Rocket Exhausts""; ""V. Electron Generation by Seeding""; ""Electrical Properties of Seeded Combustion Gases""; ""Experimental Studies of Some Electrical Properties of Seeded Flame Gases""; ""Study of Electron Generation by Solid Propellant Technique""; ""Generation and Properties of High Altitude Chemical Plasma Clouds""; ""Contributors to Volume 12""

