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chamaeleon dark clouds complex: Preliminary analysis of the colour excesses E(b-y) towards the selected Area 203 -- Interstellar windblown bubbles -- Stellar winds in a-type supergiants -- Supernova remnants -- Dust condensation in the ejecta of SN 1987A --Observations of the progenitor wind of SN 1987A -- The dynamical evolution of a clumpy medium -- Infrared environment of the be star 6 cephei: Interaction of stellar and interstellar winds -- Carbon monoxide emission from young planetary nebulae -- Interaction between a stellar wind and the ionized gas in N120 (LMC) -- Disks and outflows -- The structure of dense cloud cores -- Molecular disks around young stars -- On the nature of the beta pictoris circumstellar nebula -- Nearinfrared images of the serpens molecular cloud core -- Molecular outflows -- Submillimetre mapping and photometry of bipolar flows -Evidence for compact disks -- AFGL 2591 and monoceros R2: Cavities in the molecular cloud -- Aperture synthesis observations of CS. NH3. and continuum in the bipolar flow source NGC2071-IRS -- A swept-up molecular bubble in L1551 -- On the formation and propagation of interstellar jets -- The collimation of nonadiabatic winds from young stars -- Herbig-Haro objects -- A CO search for molecular gas in high mass post-main-sequence nebulae -- A remarkable bipolar flow in the center of the Rho ophiuchi cloud -- Massive dust disks surrounding herbig Ae/Be stars -- New young objects from the iras point source catalogue -- IUE observations of herbig-haro objects 7, 11 & 29 -- H2 2.12 µm spectroscopy and imaging of HH objects -- New OVRO results show disks are not necessary for focussing bipolar outflows -- The spectrum of a partially ionized jet -- Sodium ionization in T-tauri stars -- Inverting the position-velocity diagrams of molecular discs --Identification of outflow exciting sources through ammonia observations -- The molecular envolope of mira -- Narrowband photometry of photometrically peculiar objects -- The structure of molecular clouds from large scale surveys of CO and CS -- The radio continuum morphology of the Orion Nebula -- Highly excited molecular hydrogen in orion -- Aperture synthesis observations of NH3 and CS in Orion-KL -- The trapezium radio cluster of the Orion Nebula -- Turbulence in the Orion Nebula -- High-resolution molecular line observations of the core and outflow in orion B -- Star formation in galactic nuclei -- Ionized gas and stellar content in a sample of HII galaxies -- The shaping of the optical jet of the galaxy NGC 4258 -- A plasmon driven bowshock model for the narrow line region of NGC5929 -- Age effects in Giant Extragalactic HII Regions -- Evolution of clumpy gas in galaxies -- H?-emission in directions toward high velocity 21cm clouds -- High-velocity absorption components toward the LMC -- Distance and chemical composition of high-velocity clouds -- Inflow of neutral gas toward the galactic disk -- Ultraviolet observations of halo clouds -- Analysis of low- and high-resolution observations of high-velocity clouds -- Molecules at the interface of an HVC and a high-z HI filament -- Observations of the galactic halo -- A new high-resolution optical study of halo gas -- Galactic winds --Cycling of dust grains through the galactic halo -- The intermediate velocity cloud IVC86+38.5-45, related to high velocity clouds? -- The Nal interstellar spectrum of HVC 287.5+225+240 -- Collisions between high latitude clouds: Theory meets observations -- Multiplesupernova remnants -- Galactic fountains -- Clustered supernovae vs. the gaseous disk and halo A rematch -- Gamma rays from violent interstellar events -- Structure of the diffuse interstellar medium --The mass spectrum of interstellar clouds -- Deterministic selfpropagating star formation -- The violent interstellar medium in messier 31 -- Contributions of supernovae to the chemical and

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Sommario/riassunto	Here for the first time is a book that treats practically all aspects of modern research in interstellar matter astrophysics. 20 review articles and 40 carefully selected and refereed papers give a thorough overview of the field and convey the flavor of enthusiastic colloquium discussions to the reader. The book includes sections on: - Molecular clouds, star formation and HII regions - Mechanical energy sources - Discs, outflows, jets and HH objects - The Orion Nebula - The extragalactic interstellar medium - Interstellar matter at high galactic latitudes - The structure of the interstellar medium.