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Nota di contenuto	Front matter -- Contents -- Preface -- Acknowledgments -- A Timeline of the Spider Fossil Record -- One. Fossils -- Two. Living Fossils -- Three. Chance and Change -- Four. Outward and Upward -- Five. Triumph over Thin Air -- Six. Small Changes, Big Benefits -- Seven. Spinning, Running, Jumping, Swimming -- Eight. Going Vertical -- Nine. Links -- Ten. Now You See It, Now You Don't -- Eleven. Beyond "Perfect" -- Twelve. Endless Forms -- Notes -- Glossary -- Bibliography -- Index
Sommario/riassunto	Spiders, objects of eternal human fascination, are found in many places: on the ground, in the air, and even under water. Leslie Brunetta and Catherine Craig have teamed up to produce a substantive yet entertaining book for anyone who has ever wondered, as a spider rappelled out of reach on a line of silk, "How do they do that? "The orb web, that iconic wheel-shaped web most of us associate with spiders, contains at least four different silk proteins, each performing a different function and all meshing together to create a fly-catching machine that has amazed and inspired humans through the ages. Brunetta and Craig tell the intriguing story of how spiders evolved over

400 million years to add new silks and new uses for silk to their survival "toolkit" and, in the telling, take readers far beyond the orb. The authors describe the trials and triumphs of spiders as they use silk to negotiate an ever-changing environment, and they show how natural selection acts at the genetic level and as individuals struggle for survival.
