1.	Record Nr.	UNINA9910554223603321
	Autore	Narayanamurti Venkatesh <1939->
	Titolo	The genesis of technoscientific revolutions : rethinking the nature and nurture of research / / Venkatesh Narayanamurti and Jeffrey Y. Tsao
	Pubbl/distr/stampa	Cambridge, Massachusetts ; ; London, England : , : Harvard University Press, , [2021] ©2021
	ISBN	0-674-27028-2 0-674-27027-4
	Descrizione fisica	1 online resource
	Disciplina	001.4068
	Soggetti	Research - Management Research - Methodology Technology - Research - Methodology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	The technoscientific method - science, technology and their co-evolution: The repositories of technoscientific knowledge: S and T -- The growth of technoscientific knowledge: S and T -- Cycles of S and T: the transistor and the maser/laser -- Recapitulation -- The intricate dance of question-and-answer finding: Networks of questions and answers: Q and A -- Finding new questions and answers: Q and A -- Cycles of Q and A: special relativity and the iPhone -- Recapitulation -- The punctuated equilibria of knowledge evolution - surprise and consolidation: Paradigms as mediators of surprise and consolidation -- Surprise spawns consolidation spawns surprise -- Cycles of surprise and consolidation: artificial lighting -- Recapitulation -- Guiding principles for nurturing research: Align organization, funding, and governance for research -- Embrace a culture of holistic technoscientific exploration -- Nurture people with care and accountability -- Recapitulation.
	Sommario/riassunto	"Scientific progress doesn't always precede engineering advances; it often follows. Answering questions isn't always the goal; finding questions often is. Sometimes we seek to strengthen conventional

wisdom; sometimes to surprise it. What if we could rethink nurturing research, through policy and management, to harmonize with the nature of research?"--