1. Record Nr. UNINA9910462925303321 Autore Boantza Victor D. Titolo Matter and method in the long chemical revolution: laws of another order / / Victor D. Boantza London;; New York:,: Routledge,, 2016 Pubbl/distr/stampa **ISBN** 1-317-09933-8 1-315-59433-1 1-4094-1868-5 Descrizione fisica 1 online resource (283 p.) Collana Science, Technology and Culture, 1700-1945 Disciplina 540.9/033 Chemistry - History - 18th century Soggetti Science, Renaissance Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "First published 2013 by Ashgate Publishing"--t.p. verso. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Cover; Contents; List of Figures and Tables; Duclos and Chymistry at the Early Academie des Sciences; Series Editor's Preface; Acknowledgments; Abbreviations; Introduction; Historiography; Scientific Revolutions and Crises: Structure and Themes: PART I: Chymistry in the Scientific Revolution; 1 Duclos Reads Boyle; The Crisis of Chymical Principles; The Origin and Form of Sweet Qualities; Duclos's Principles; Particles of Saltpeter: Mechanism and Chymical Causality; On Boyle's Unsuccessful Experiments; Conclusion; 2 Fire, Alkahest, and Elements; Duclos's Chymical Natural History of Plants Dodart Enters the Arena: Natural History by FireRadical Analysis and the Inner Life of Matter; Conclusion; 3 From Cohesion to Gravity; The Causes of Gravity; Forces, Big and Small: The Newtonian Context; The Causes of Coagulation: Chymical Operations and Mechanical Speculations; Conclusion; 4 Interlude: The Crisis of Inter-Revolutionary Chemistry; PART II: Chemistry in the Chemical Revolution; 5 Priestley's Quest for Airs and Ideas; Priestley's Chemical Practice and Writing(s);

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## Sommario/riassunto

Matter and Method in the Long Chemical Revolution examines the role of and effects on chemistry of both the seventeenth-century scientific revolution and the eighteenth-century chemical revolution in parallel, using chemistry during the chemical revolution to illuminate chemistry during the scientific revolution, and vice versa. Focusing on the crises and conflicts of early modern chemistry (and their retrospectively labeled 'losing' parties), the author traces patterns of continuity in matter theory and experimental method from Boyle to Lavoisier, and reevaluates the disciplinary relationship