

1. Record Nr.	UNINA9910814582103321
Autore	George Timothy
Titolo	Augustine : On Christian Doctrine and Selected Introductory Works
Pubbl/distr/stampa	, : B&H Publishing Group, , 2022 ©2022
ISBN	9781087770321
Edizione	[1st ed.]
Descrizione fisica	1 online resource (318 pages)
Collana	Theological Foundations
Soggetti	Augustine, of Hippo, Saint, 354-430 Bible Hermeneutics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Titlepage -- Copyright Page -- Introduction -- On Christian Doctrine -- The Apostles Creed -- BOOK I -- BOOK II -- BOOK III -- BOOK IV -- A Sermon to Catechumens on the Creed -- A Treatise on Faith and the Creed -- A Treatise on the Spirit and the Letter -- Subject Index -- Scripture Index.
Sommario/riassunto	The Theological Foundations series highlights the enduring influence of prominent figures from church history. This volume features four works by Augustine of Hippo, along with an introduction by series editor Timothy George that explores Augustine's intellectual and pastoral impact today. Scholars, pastors, and students alike may take up, read, and learn from these masterpieces penned by one of church history's most iconic theologians.

2. Record Nr.	UNINA9911006625203321
Titolo	Chemistry of nanocrystalline oxide materials : combustion synthesis, properties and applications // K.C. Patil ... [et al.]
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, c2008
ISBN	9789814471732 9814471739 9789812793157 9812793151
Descrizione fisica	1 online resource (362 p.)
Classificazione	VE 9850
Altri autori (Persone)	PatilK. C
Disciplina	620.11 620.11299
Soggetti	Metallic oxides Nanocrystals Nanostructured materials
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	Contents; Foreword; Preface; 1. Introduction; 1.1 General; 1.2 Preparative Methods; 1.3 Scope of the Book; References; 2. Combustible Solid Precursors to Nanocrystalline Oxide Materials; 2.1 Introduction; 2.2 Combustible Metal Hydrazine and Metal Hydrazine Carboxylate Complexes; Part I: Metal Hydrazine Carboxylates: Precursors to Simple Metal Oxides; 2.3 Preparation of Metal Formate, Acetate, Oxalate, and Hydrazine Carboxylates; 2.3.1 Thermal Analysis and Combustion of Metal Hydrazine Carboxylates; Part II: Single Source Precursors to Mixed Metal Oxides; 2.4 Mixed Metal Oxides 2.4.1 Mixed Metal Acetate and Oxalate Hydrazinates: Precursors to Cobaltites 2.4.2 Mixed Metal Oxalate Hydrazinates: Precursors to Spinel Ferrites; 2.4.3 Mixed Metal Oxalate Hydrates: Precursors to Metal Titanates; 2.5 Mixed Metal Hydrazinium Hydrazine Carboxylates; 2.5.1 Mixed Metal Hydrazinium Hydrazine Carboxylates: Precursors to Nano-Cobaltites and Ferrites; 2.5.2 Mixed Metal Hydrazinium Hydrazine Carboxylates: Precursors to Mixed Ferrites; 2.5.3 Mixed Metal Hydrazinium Hydrazine Carboxylates: Precursors to Manganites; 2.6

Concluding Remarks; References

3. Solution Combustion Synthesis of Oxide Materials
3.1 Introduction;
3.2 Solution Combustion Synthesis (SCS); 3.2.1 Synthesis of Alumina;
3.2.2 Mechanism of Aluminum Nitrate - Urea Combustion Reaction;
3.2.3 Thermodynamic Calculation; 3.3 Role of Fuels; 3.4 A Recipe for the Synthesis of Various Classes of Oxides; 3.4.1 Recipe for Nanomaterials; 3.5 Salient Features of Solution Combustion Method; References;
4. Alumina and Related Oxide Materials; 4.1 Introduction; 4.2 Alumina and Related Oxide Materials; 4.3 γ -Alumina; 4.4 Metal Aluminates (MAl_2O_4); 4.5 Rare Earth Orthoaluminates ($LnAlO_3$)
4.6 Garnets
4.7 Aluminum Borate; 4.8 Tialite ($\gamma-Al_2TiO_5$); 4.9 Aluminum Phosphate; 4.10 Alumina Composites; 4.10.1 $Al_2O_3 \cdot SiO_2$ System: Mullite; 4.10.2 $Al_2O_3 \cdot SiO_2$ System: Cordierite; 4.10.3 $Al_2O_3 \cdot Si_3N_4$ System: $SiAlON$; 4.11 Alumina Nanocomposites; 4.11.1 Nanocatalysts, Dispersion of Nano-metals (Ag, Au, Pd, and Pt) in Al_2O_3 ; 4.12 Nanopigments; 4.12.1 Cobalt-Based Blue Alumina and Aluminates; 4.12.2 Chromium-Doped Pink Alumina (Cr^{3+}/Al_2O_3): Ruby; 4.12.3 Chromium-Doped Aluminates and Orthoaluminates (Cr^{3+}/MAl_2O_4 ($M = Mg \& Zn$)) and $LaAlO_3$; 4.13 Nanophosphors
4.13.1 Phosphor Materials (Luminescence in Aluminum Oxide Hosts)
4.14 Concluding Remarks; References;
5. Nano-Ceria and Metal-Ion-Substituted Ceria; 5.1 Introduction; 5.2 Synthesis and Properties of Nano-Ceria; 5.3 Synthesis of Metal-Ion-Substituted Ceria; 5.4 Characterization of Metal-Ion-Substituted Ceria; 5.5 Oxygen Storage Materials; 5.6 Metal-Ion-Substituted Ceria as Nanocatalysts; 5.6.1 $Ce_{1-x}Pt_xO_2$ as a Three-Way Catalyst; 5.6.2 $Ce_{1-x}Pt_xO_2$; 5.6.3 $Ce_{1-x}Rh_xO_2$; 5.6.4 Bimetal Ionic Catalysts ($Ce_{1-x}Pt_x/2Rh_x/2O_2$); 5.7 Concluding Remarks; References;
6. Nanocrystalline Fe_2O_3 and Ferrites
6.1 Magnetic Materials

Sommario/riassunto

Nano-oxide materials lend themselves to applications in a wide variety of emerging technological fields such as microelectronics, catalysts, ceramics, coatings, and energy storage. However, developing new routes for making nano-based materials is a challenging area for solid-state materials chemists. This book does just that by describing a novel method for preparing them. The authors have developed a novel low-temperature, self-propagating synthetic route to nano-oxides by the solution combustion and combustible precursor processes. This method provides the desired composition, structure, and