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| |  | | --- | | 课程代码（Coursenumber） CHEM 153  课程对象（Audience） Primarily for Undergraduates  开课教师（Teacher） Solomon, E.  学期（Semester） Terms: Spr  课程描述（Description）） The theoretical aspects of inorganic chemistry. Group theory; many-electron atomic theory; molecular orbital theory emphasizing general concepts and group theory; ligand field theory; application of physical methods to predict the geometry, magnetism, and electronic spectra of transition metal complexes. Prerequisites: 151, 173.  课时信息（Totalhours） Units: 3  教参信息（Textbookinfo） 1 Principles and Applications of Density Functional Theory in Inorganic Chemistry II (Structure and Bonding) (v. 2) by N. Kaltsoyannis and J.E. McGrady (Hardcover - Nov. 10, 2004) ISBN-13: 978-3540218616 世界各地拥有馆藏的图书馆（OCLC）:125 2 Inorganic & Physical Chemistry (Ii): Core Concepts: A2 Chemistry (As/a-Level Photocopiable Teacher Resource Packs) by Anthony Ellison (Hardcover - Dec. 6, 2009) ISBN-13: 978-0340974650 世界各地拥有馆藏的图书馆（OCLC）:1 3 Inorganic & Physical Chemistry (Ii): As Chemistry Core Concepts (As/a-Level Photocopiable Teacher Resource Packs) by Mark Wardrop (Hardcover - Nov. 10, 2009) ISBN-13: 978-0340974667 世界各地拥有馆藏的图书馆（OCLC）:1 4 Inorganic Chemistry in Focus II by Gerd Meyer, Dieter Naumann, and Lars Wesemann (Paperback - May 6, 2005) ISBN-13: 978-3527308118 世界各地拥有馆藏的图书馆（OCLC）:151 5 Comprehensive Organometallic Chemistry II: Silicon Group, Arsenic, Antimony and Bismuth (Volume 2) by A.G. Davies (Hardcover - Sept. 24, 2002) ISBN-13: 978-0080423098 世界各地拥有馆藏的图书馆（OCLC）:18 6 Lithium, Beryllium and Boron Groups (Comprehensive Organometallic Chemistry II) by C.E. Housecroft (Hardcover - Sept. 24, 2002) ISBN-13: 978-0080423081 7 Scandium, Yttrium, Lanthanides and Actinides, and Titanium, Zirconium, and Hafnium (Comprehensive Organometallic Chemistry II) (Vol 4) by M.F. Lappert (Hardcover - Sept. 24, 2002) ISBN-13: 978-0080423111 8 Vanadium and Chromium Groups (Comprehensive Organometallic Chemistry II) by J.A. Labinger and M.J. Winter (Hardcover - Oct. 5, 2004) ISBN-13: 978-0080423128 9 Manganese Group (Comprehensive Organometallic Chemistry II) by C.P. Casey (Hardcover - Oct. 5, 2004) ISBN-13: 978-0080423135 10 Iron, Ruthenium and Osmium (Comprehensive Organometallic Chemistry II) by D.F. Schriver and M.I. Bruce (Hardcover - Sept. 24, 2002) ISBN-13: 978-0080423142 | |