

# Contents

<b>1</b>	<b>Nuclear Energy, Introduction . . . . .</b>	<b>1</b>
	Nicholas Tsoulfanidis	
<b>2</b>	<b>Fission Reactor Physics . . . . .</b>	<b>7</b>
	Michael Natelson	
<b>3</b>	<b>Isotope Separation Methods for Nuclear Fuel . . . . .</b>	<b>59</b>
	Shuichi Hasegawa	
<b>4</b>	<b>Nuclear Fission Power Plants . . . . .</b>	<b>77</b>
	Ronald Allen Knief	
<b>5</b>	<b>Nuclear Fuel, Reprocessing of . . . . .</b>	<b>153</b>
	Michael F. Simpson and Jack D. Law	
<b>6</b>	<b>GEN-IV Reactors . . . . .</b>	<b>175</b>
	Taek K. Kim	
<b>7</b>	<b>Nuclear Reactor Materials and Fuels . . . . .</b>	<b>203</b>
	James S. Tulenko	
<b>8</b>	<b>Modern Nuclear Fuel Cycles . . . . .</b>	<b>215</b>
	James S. Tulenko	
<b>9</b>	<b>Nuclear Facilities, Decommissioning of . . . . .</b>	<b>223</b>
	David R. Turner	
<b>10</b>	<b>Radioactive Waste Management: Storage, Transport, Disposal . . . . .</b>	<b>269</b>
	Audeen W. Fentiman	
<b>11</b>	<b>Nuclear Power, Economics of . . . . .</b>	<b>283</b>
	M.R. Deinert	
<b>12</b>	<b>Nuclear Fusion . . . . .</b>	<b>305</b>
	Thomas J. Dolan	

Nuclear Energy

Selected Entries from the Encyclopedia of Sustainability

Science and Technology

Tsoufanidis, N. (Ed.)

2013, VI, 530 p.,

ISBN: 978-1-4614-5716-9