



## Handbook of generation IV nuclear reactors [

Pioro, Igor L.,  
ed

Woodhead Publishing is an imprint of Elsevier,  
2016

Monografía

Handbook of Generation IV Nuclear Reactors presents information on the current fleet of Nuclear Power Plants (NPPs) with water-cooled reactors (Generation III and III+) (96% of 430 power reactors in the world) that have relatively low thermal efficiencies (within the range of 32-36%) compared to those of modern advanced thermal power plants (combined cycle gas-fired power plants - up to 62% and supercritical pressure coal-fired power plants - up to 55%). Moreover, thermal efficiency of the current fleet of NPPs with water-cooled reactors cannot be increased significantly without completely different innovative designs, which are Generation IV reactors. Nuclear power is vital for generating electrical energy without carbon emissions. Complete with the latest research, development, and design, and written by an international team of experts, this handbook is completely dedicated to Generation IV reactors

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMTgzNzIxODA>

**Título:** Handbook of generation IV nuclear reactors [Recurso electrónico] edited by Igor L. Pioro

**Editorial:** Duxford, UK Woodhead Publishing is an imprint of Elsevier 2016

**Mención de serie:** Science Direct e-books Woodhead Publishing series in energy number 103

**Nota general:** Incluye índices Descripción basada en el recurso electrónico; título tomado del PDF (ScienceDirect, visitado en Junio 22, 2016)

**Detalles del sistema:** Forma de acceso: World Wide Web

**ISBN:** 9780081001622 0081001622 9780081001493 (print) 0081001495

**Autores:** Pioro, Igor L., ed

**Punto acceso adicional serie-Título:** Woodhead Publishing in energy no. 103

### Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- [informa@baratz.es](mailto:informa@baratz.es)

