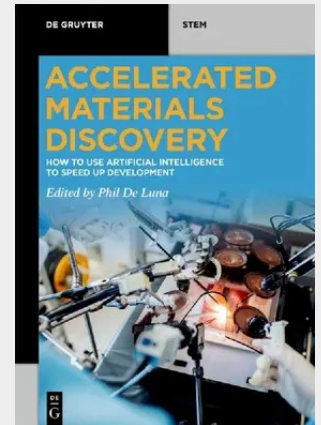


Accelerated Materials Discovery

How to Use Artificial Intelligence to Speed Up Development

Typical timelines to go from discovery to impact in the advanced materials sector are between 10 to 30 years. Advances in robotics and artificial intelligence are poised to accelerate the discovery and development of new materials dramatically. This book is a primer for any materials scientist looking to future-proof their careers and get ahead of the disruption that artificial intelligence and robotic automation is just starting to unleash. It is meant to be an overview of how we can use these disruptive technologies to augment and supercharge our abilities to discover new materials that will solve world's biggest challenges. - Written by world leading experts on accelerated materials discovery from academia (UC Berkeley, Caltech, UBC, Cornell, etc.), industry (Toyota Research Institute, Citrine Informatics) and national labs (National Research Council of Canada, Lawrence Berkeley National Labs).

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92,95 €

86,87 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783110738049

Medium: Buch

ISBN: 978-3-11-073804-9

Verlag: De Gruyter

Erscheinungstermin: 07.03.2022

Sprache(n): Englisch

Auflage: 1. Auflage 2022

Serie: De Gruyter STEM

Produktform: Kartoniert

Gewicht: 420 g

Seiten: 205

Format (B x H): 170 x 240 mm

