



# SAULES ENERĢIJA

INFORMĀCIJAS RESURSI RTU ZINĀTNISKAJĀ BIBLIOTĒKĀ

# Saules enerģija

Saules enerģija - neregulārs un kļiedēts elektroenerģijas ražošanas avots, kura ģeogrāfiskā pieejamība palielinās un inovāciju līmenis pieaug, jo šobrīd ātri attīstās jauni tehnoloģiski risinājumi...

Atjaunojamās elektroenerģijas akumulācija : zinātniska monogrāfija / A.Blumberga, D.Blumberga, I.Dzene [u.c.]. - Rīga : RTU Izdevniecība, 2015. – 12.lpp.

Vidējais horizontālais Saules starojums Baltijas valstīs ir  $\sim 1000 \text{ kWh/m}^2$ .

Visu Latvijai nepieciešamo elektroenerģiju var saražot, ja 0,09% no Latvijas teritorijas noklātu ar saules paneļiem.

Blumberga, D. Ilgtspējīga enerģētika Latvijā : mācību materiāli. - Rīga : RTU Izdevniecība, 2010. – 8.lpp.



# Solar energy

is the radiation from the Sun capable of producing heat, causing chemical reactions, or generating electricity. The total amount of solar energy received on Earth is vastly more than the world's current and anticipated energy requirements. If suitably harnessed, solar energy has the potential to satisfy all future energy needs.

[Britannica Online](#)

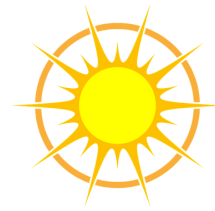


*"We have this handy fusion reactor in the sky called the sun; you don't have to do anything, it just works. It shows up every day."*

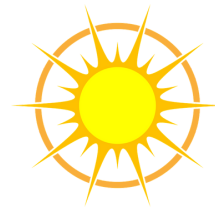
[Elon Musk](#)



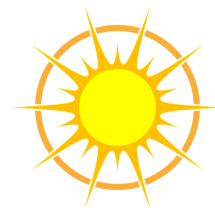
# Saturs



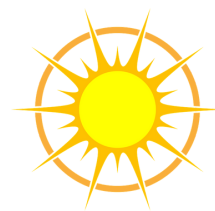
Resursi RTU bibliotēkas katalogā



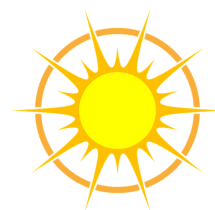
RTU zinātnieku raksti



E-grāmatas abonētajās datubāzēs



Publikācijas abonētajās datubāzēs



Interneta resursi

- Pakere, I. **Solar Energy in Low Temperature District Heating** : doctoral thesis / I.Pakere ; scientific supervisor Dr.habil.sc.ing. D.Blumberga. Riga : RTU Press, 2020. 165 lpp.

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- Dzikēvičs, M. **Solar Energy Accumulation with Packed Bed Phase Change Materials** : doctoral thesis / M.Dzikēvičs ; scientific supervisor Dr.habil.sc.ing. I.Veidenbergs. Riga : RTU Press, 2019. 145 lpp.

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- Terehovičs, E. **Enerģijas un ekserģijas indikatori energosistēmu efektivitātes paaugstināšanā** : promocijas darbs inženierzinātņu (Dr.sc.ing.) doktora grāda iegūšanai / E.Terehovičs ; darba zinātniskie vadītāji: Dr.habil.sc.ing. D.Blumberga, Dr.habil.sc.ing. I. Veidenbergs. Rīga : RTU Izdevniecība, 2019. 128 lpp.

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Promocijas darbi ir pieejami tikai bibliotēkās lasītavās



- Vanaga, R. **Klimatam adaptīvas fasāžu sistēmas risinājums gandrīz nulles enerģijas ēkām: biomimikrijas principu lietojums** : promocijas darbs / R.Vanaga ; zinātniskie vadītāji: Dr.sc.ing. A.Blumberga, Dr.habil.sc.ing. D.Blumberga. Rīga : RTU Izdevniecība, 2019. 164 lpp.

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- Lauka, D. **Sustainability Analysis of Renewable Energy Sources** : doctoral thesis / D.Lauka ; scientific supervisor Dr.habil.sc.ing. D.Blumberga. Riga : RTU Press, 2018. 146 lpp.

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# RTU zinātnieku raksti

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- Dzikēvičs, M., Jaunzems, D., Terauds, M. **Use of Model Predictive Control to Increase the Energy Efficiency of Domestic Solar Thermal Heating** // 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON 2021) : Riga, Latvia, 15-17 November 2021 : Conference Proceedings. - Piscataway, NJ : IEEE, 2021. - P.161-165.
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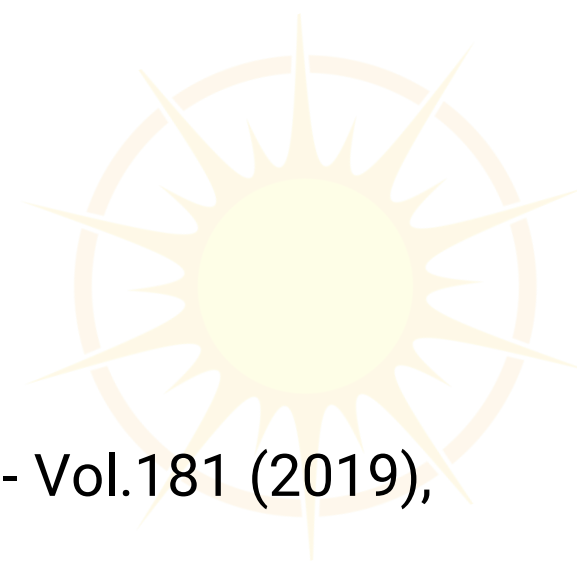
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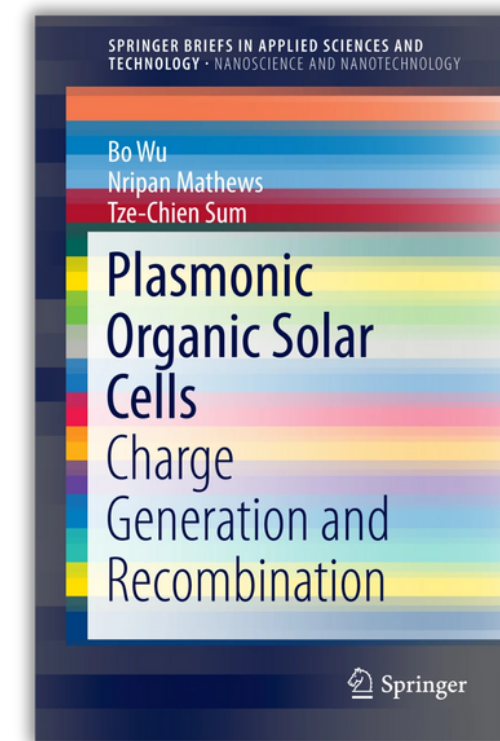
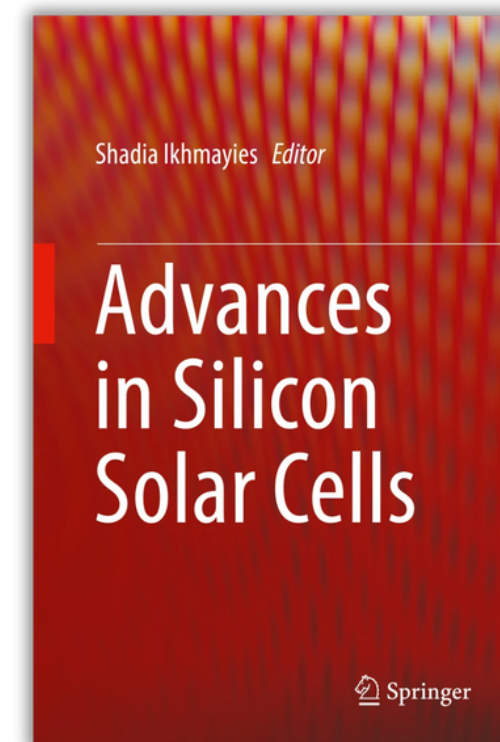
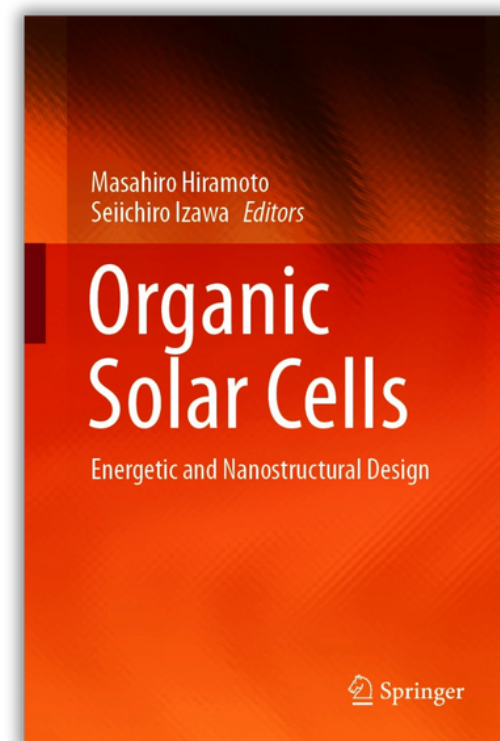
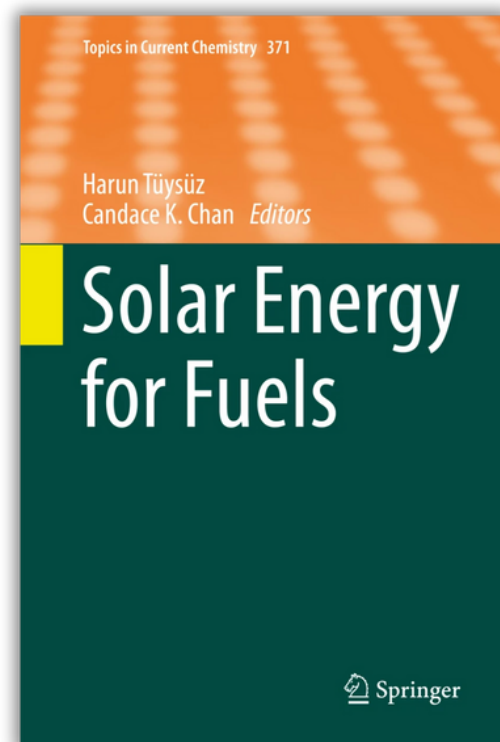
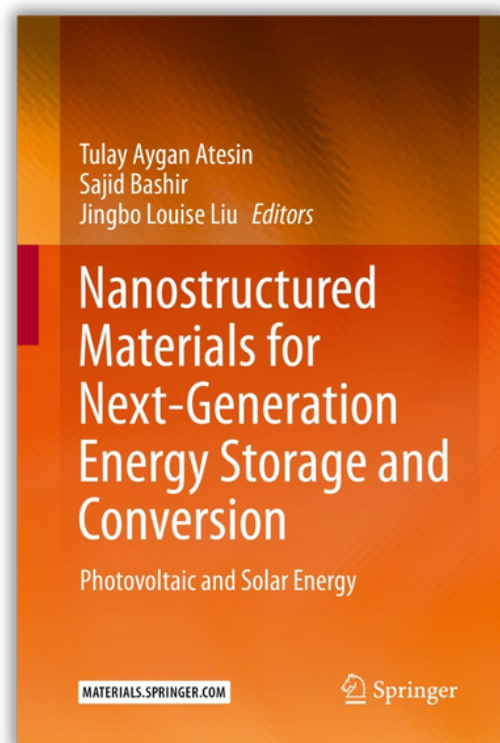
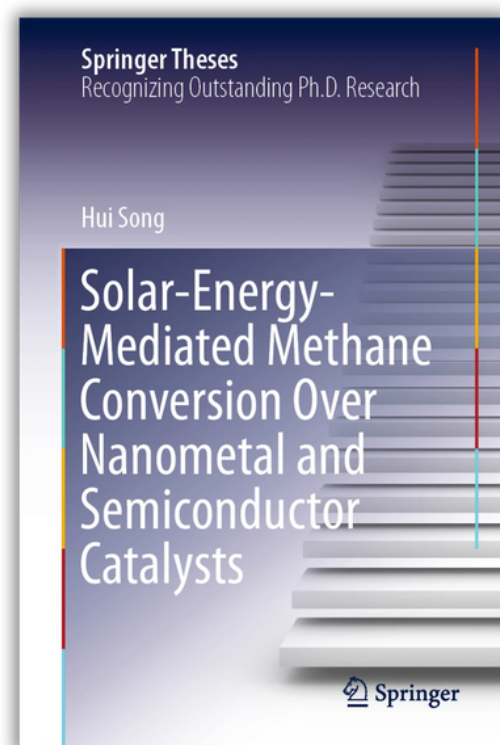
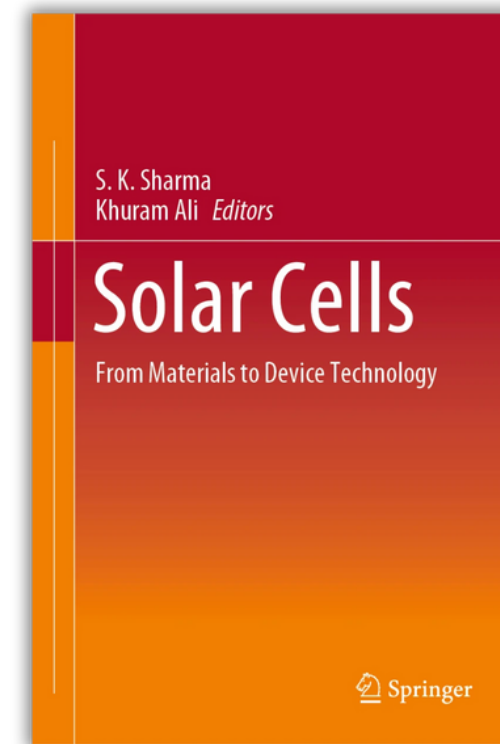
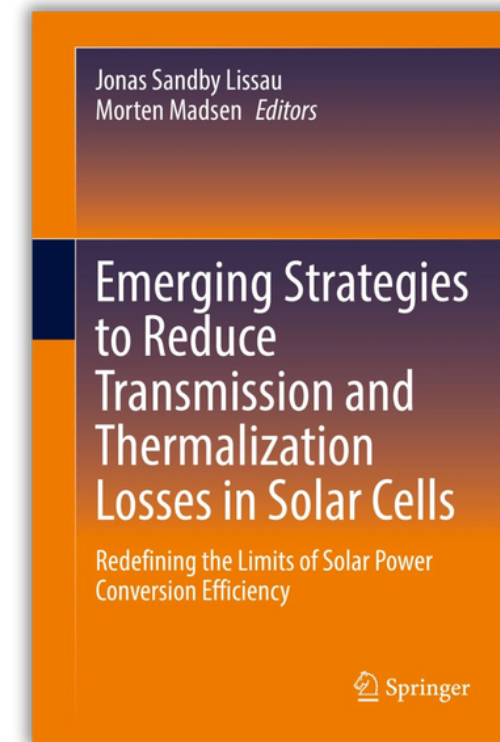
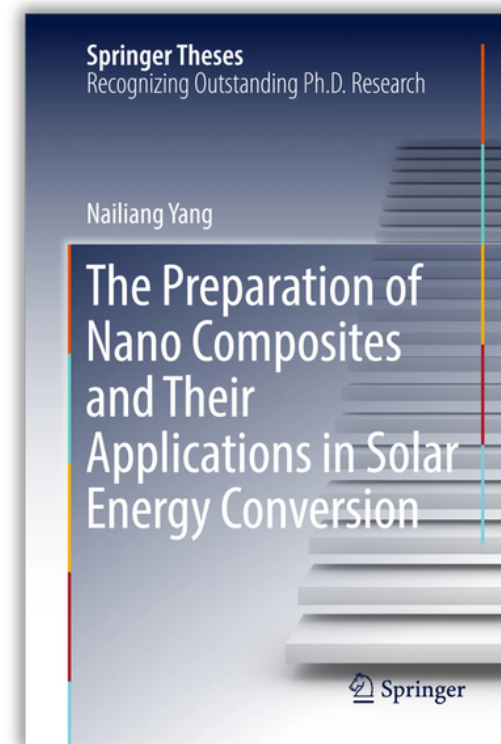
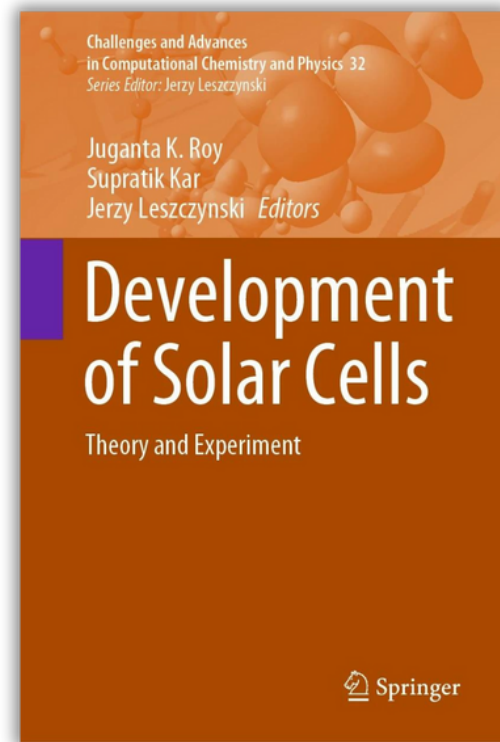
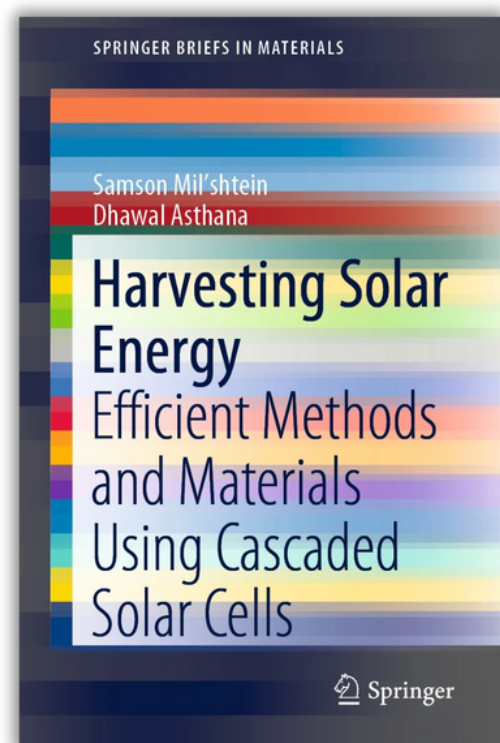
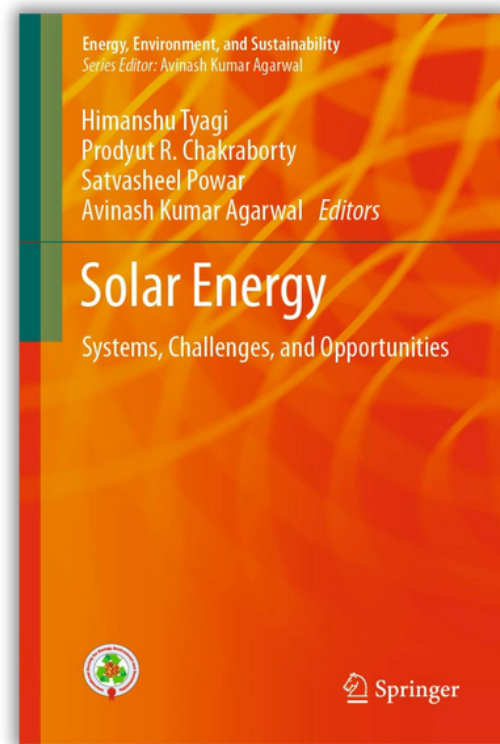
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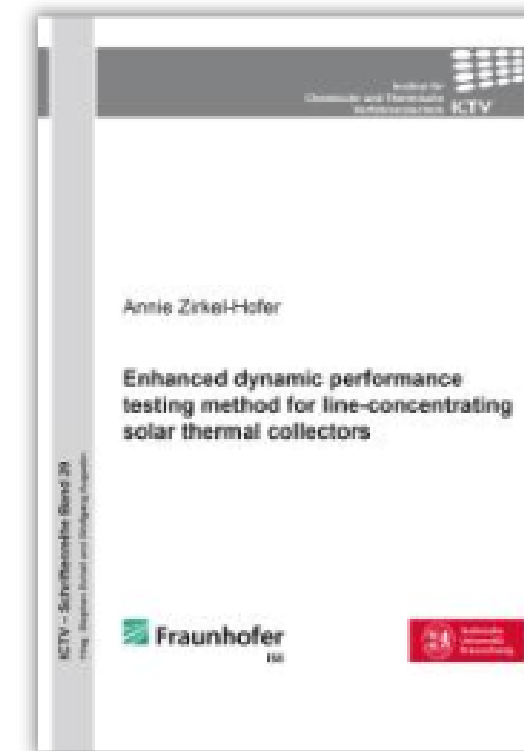
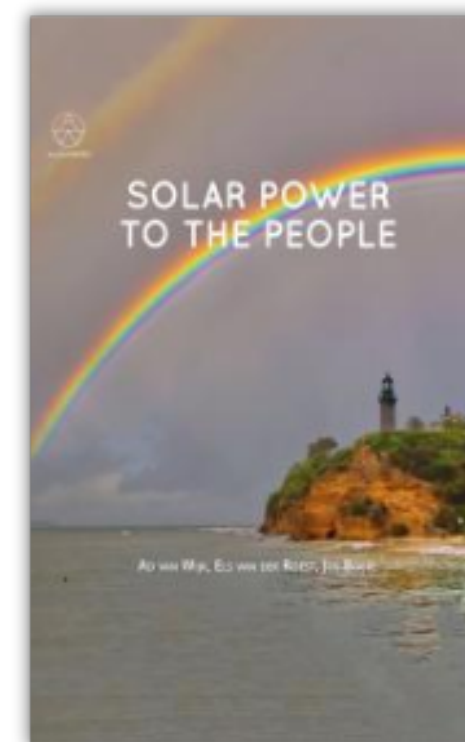
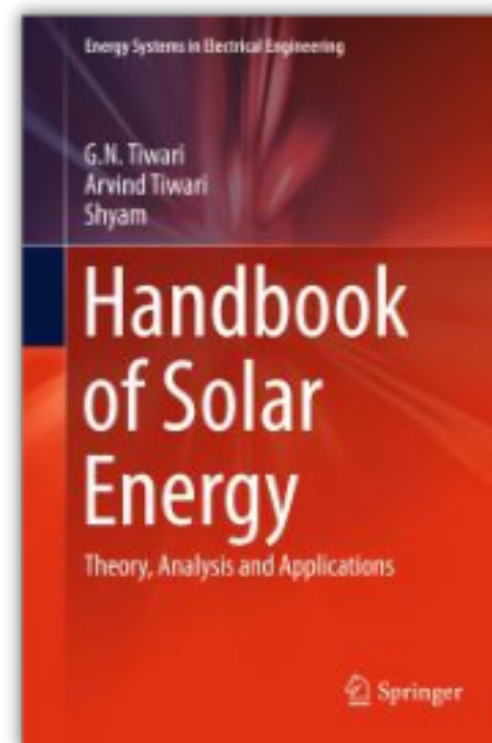
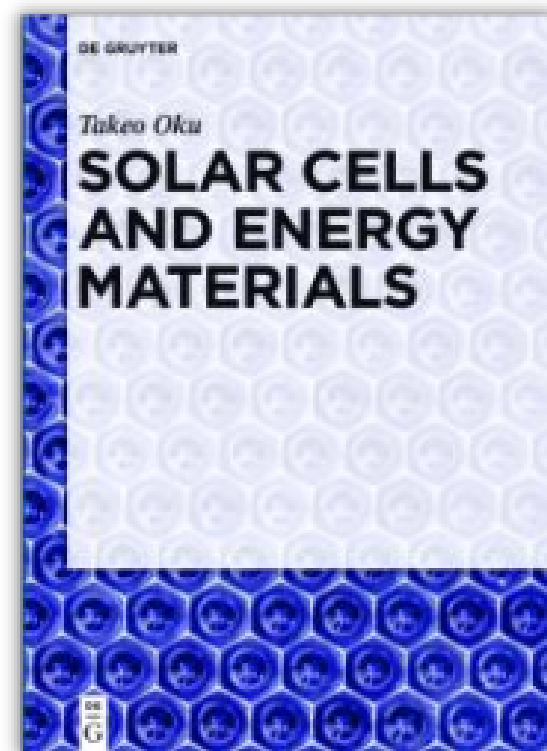
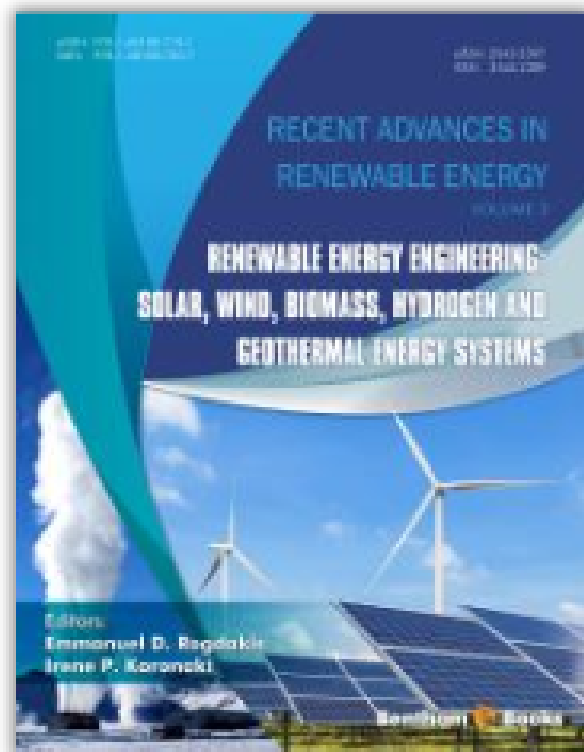
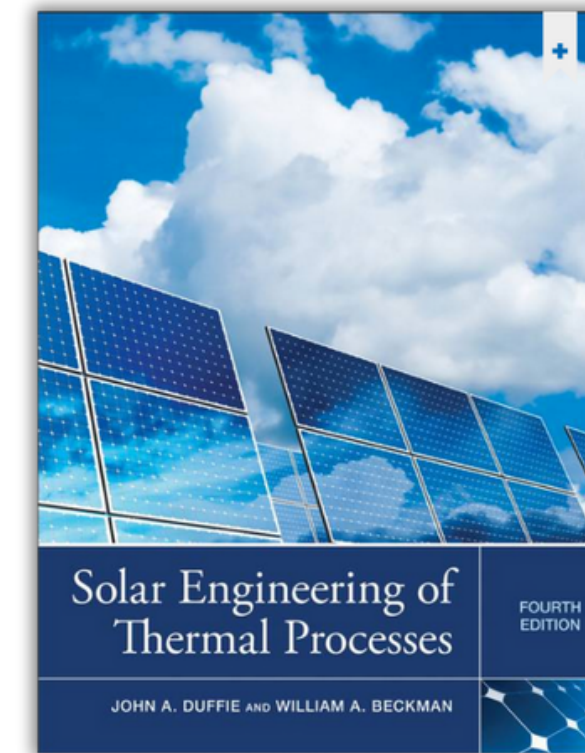
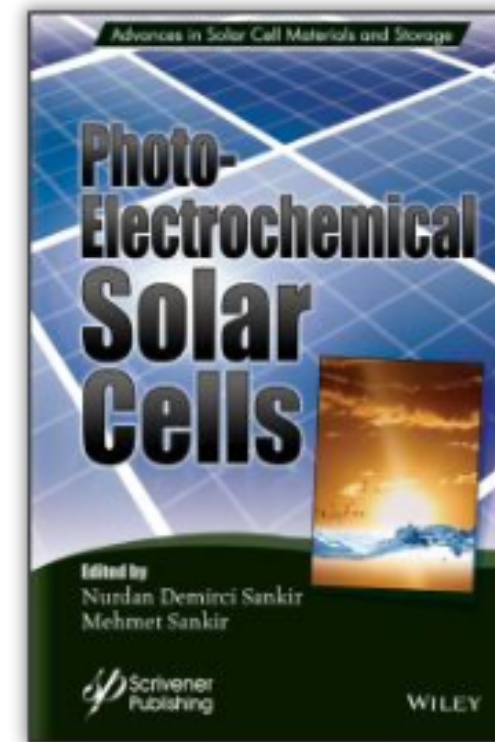
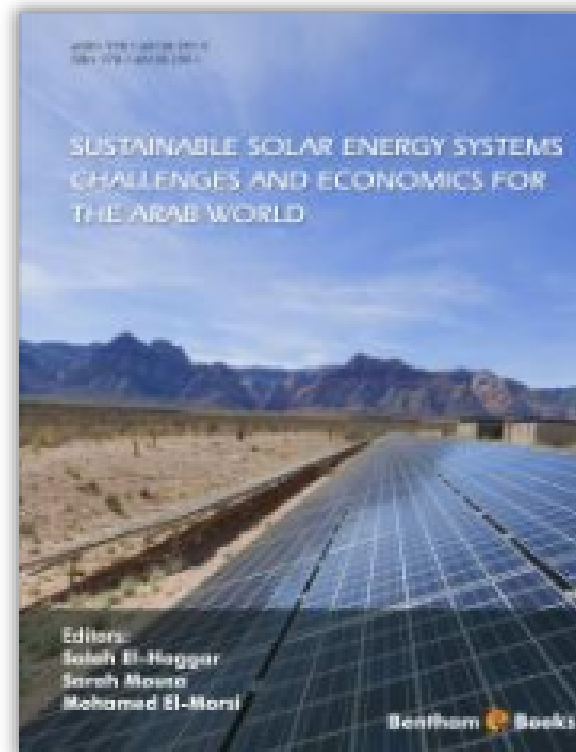
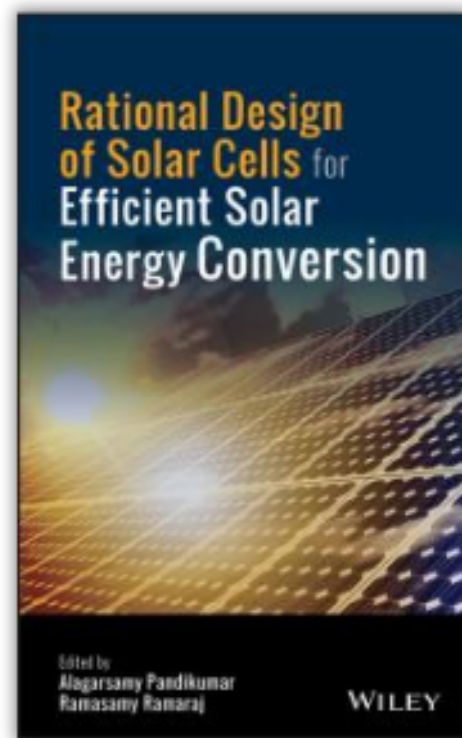
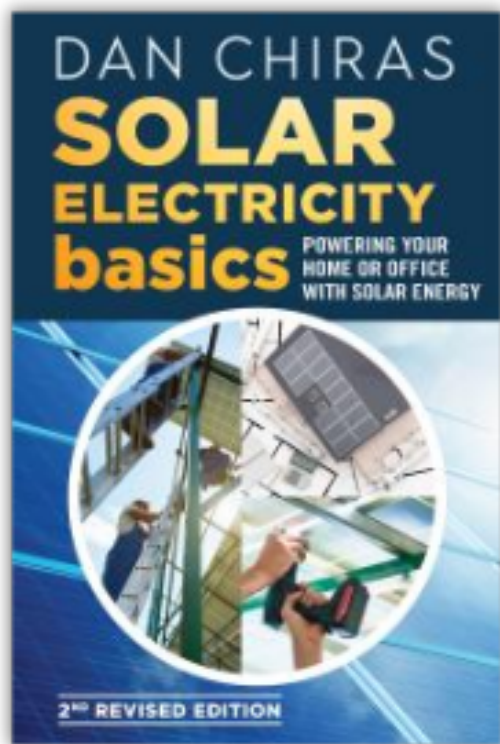
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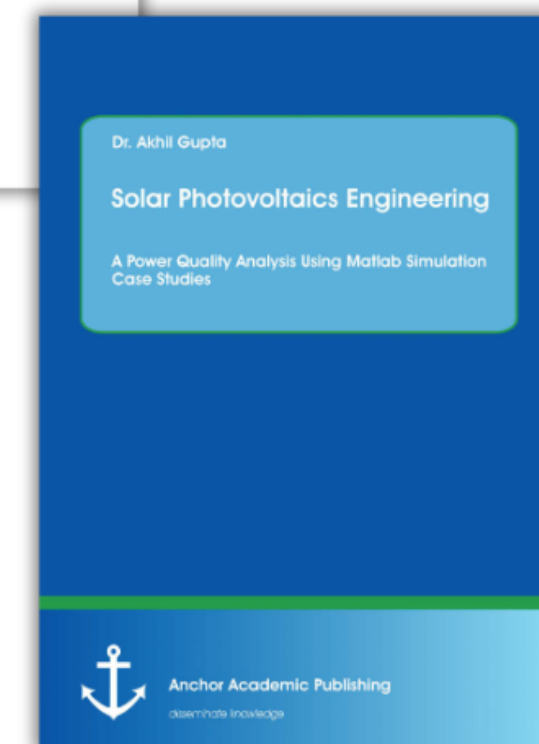
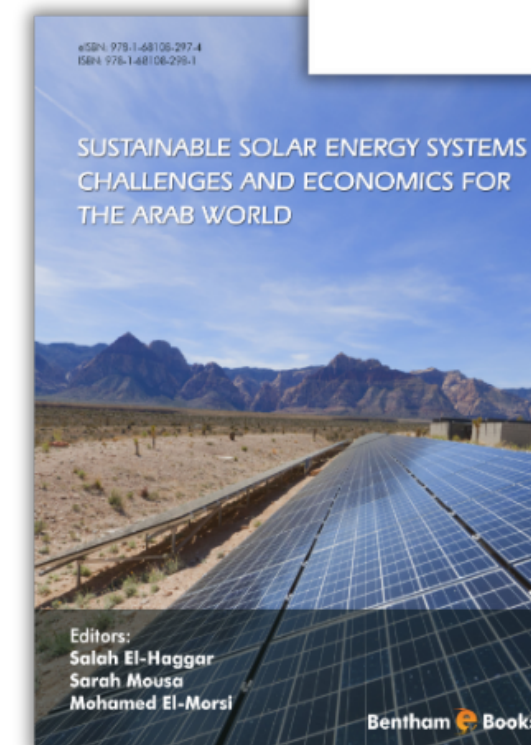
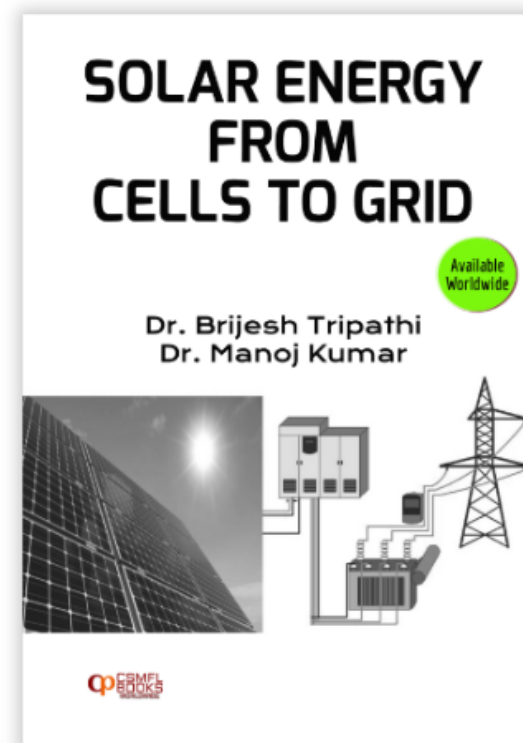
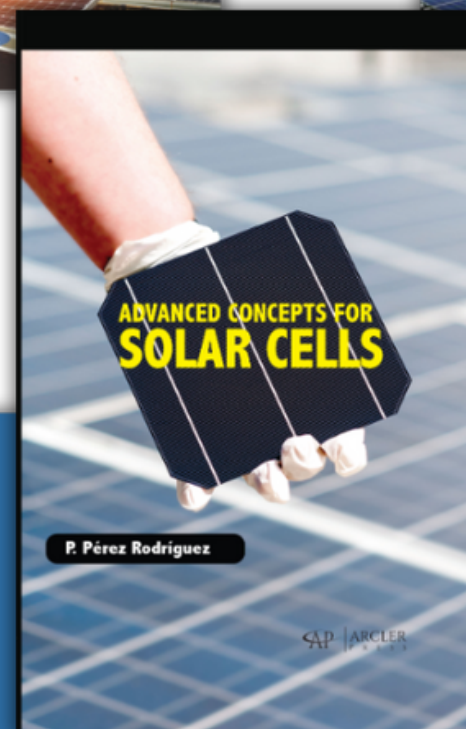
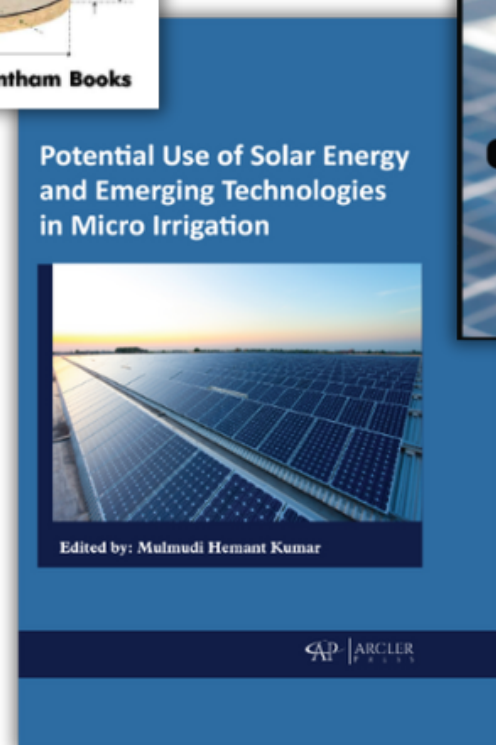
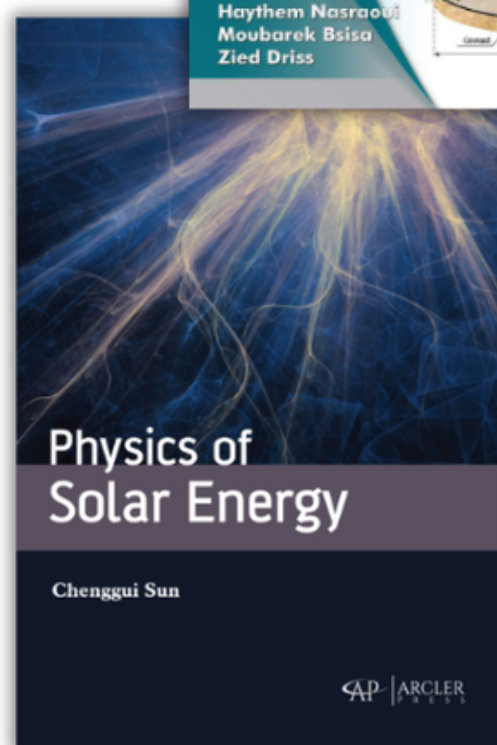
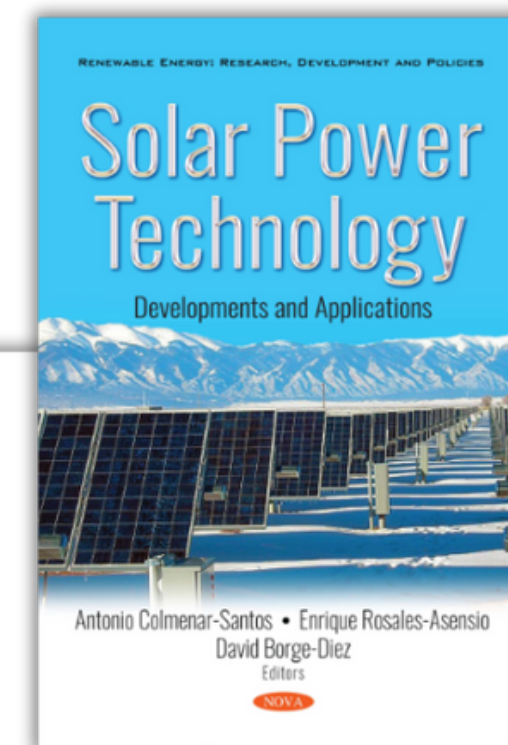
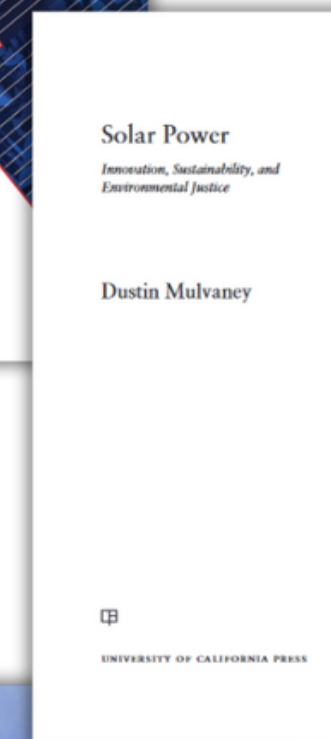
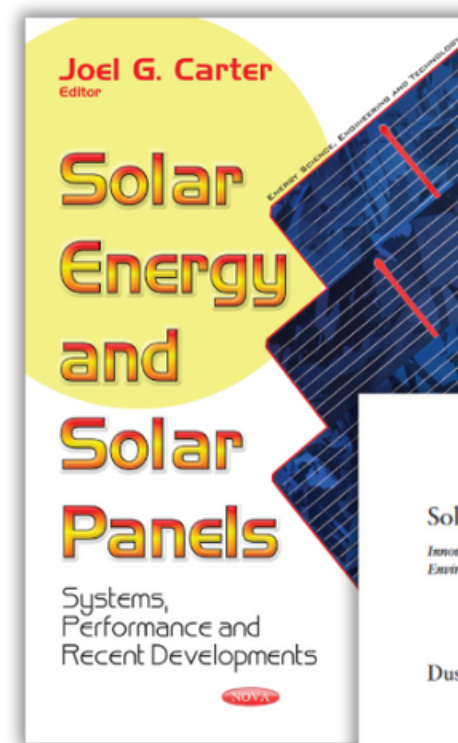
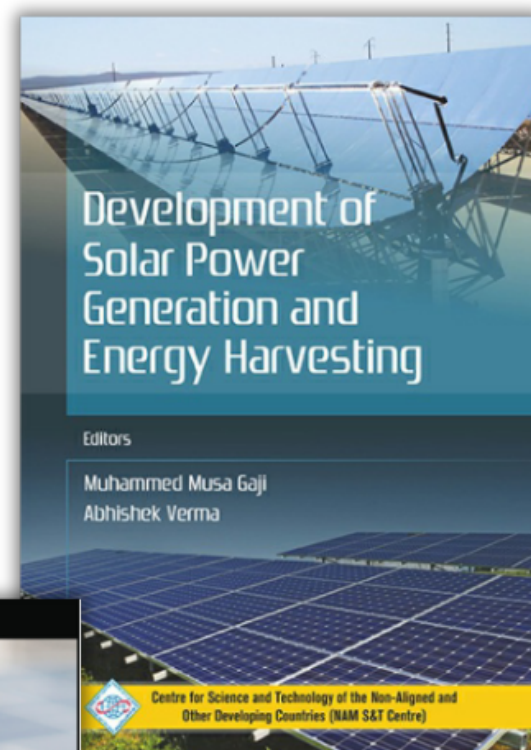
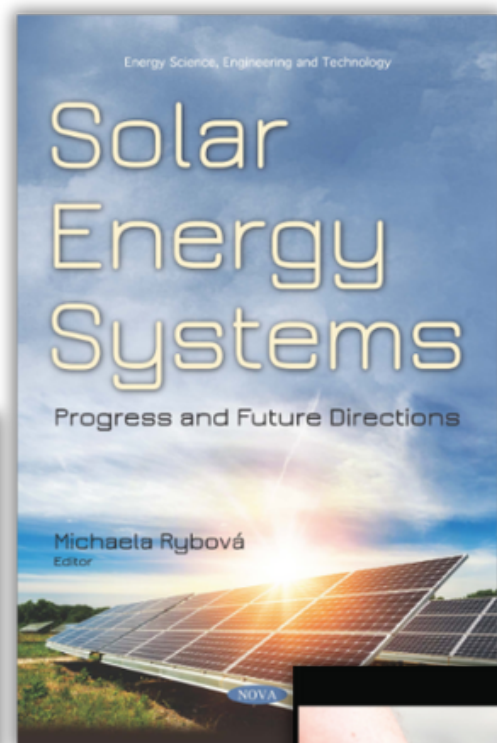
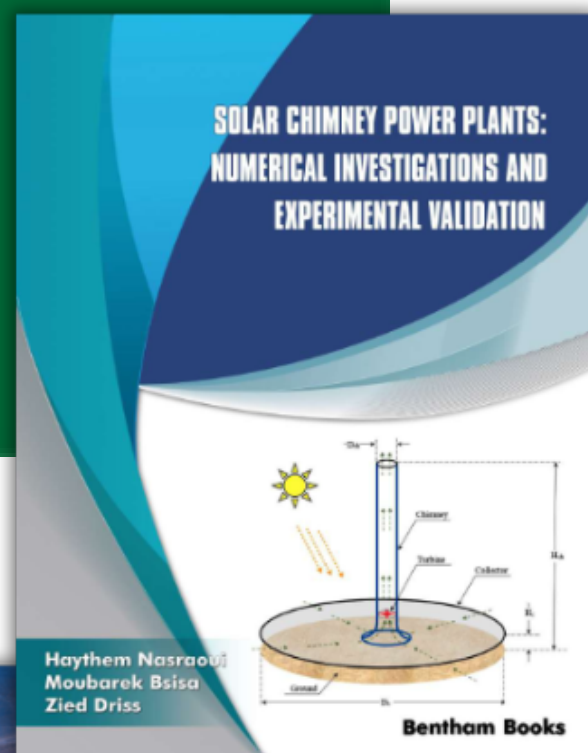
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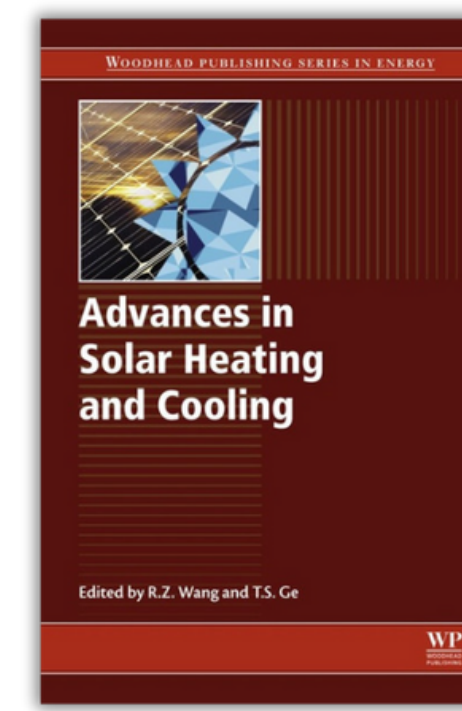
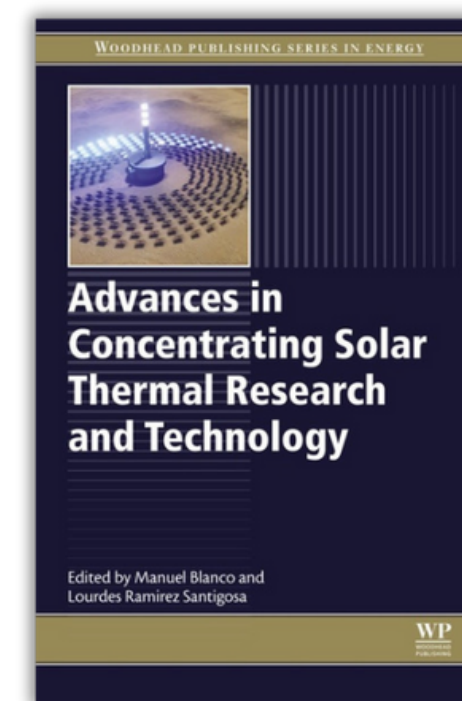
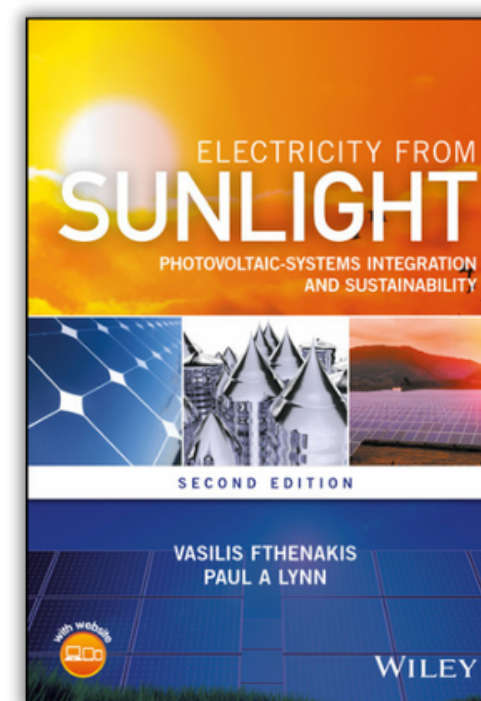
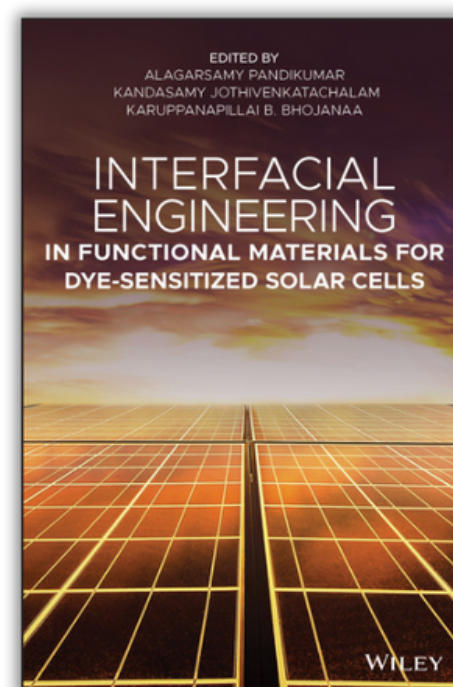
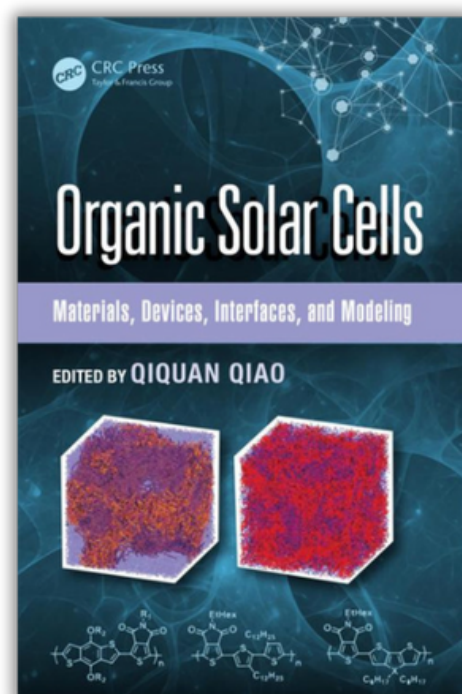
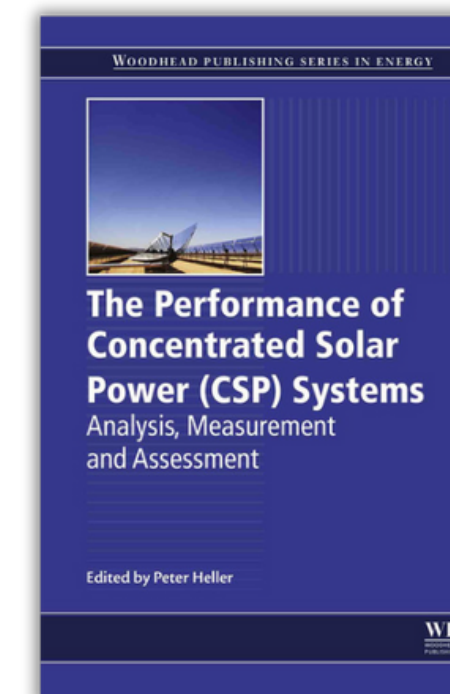
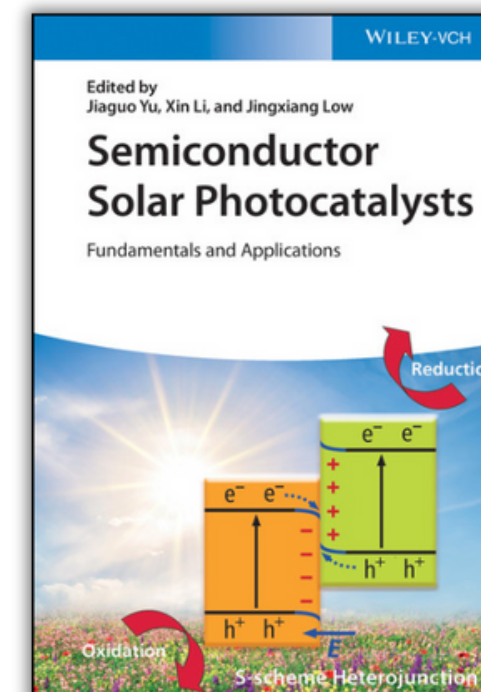
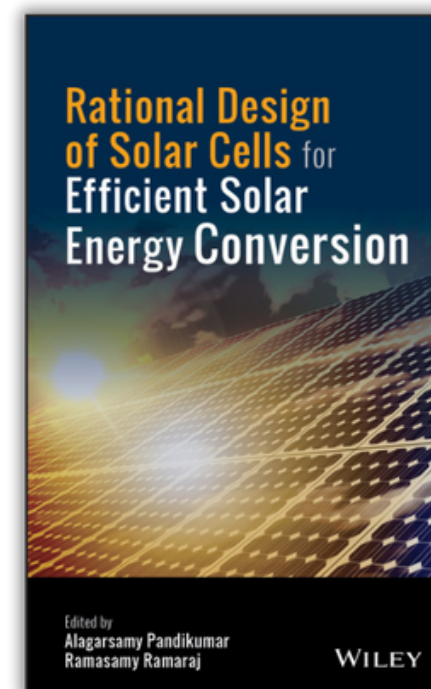
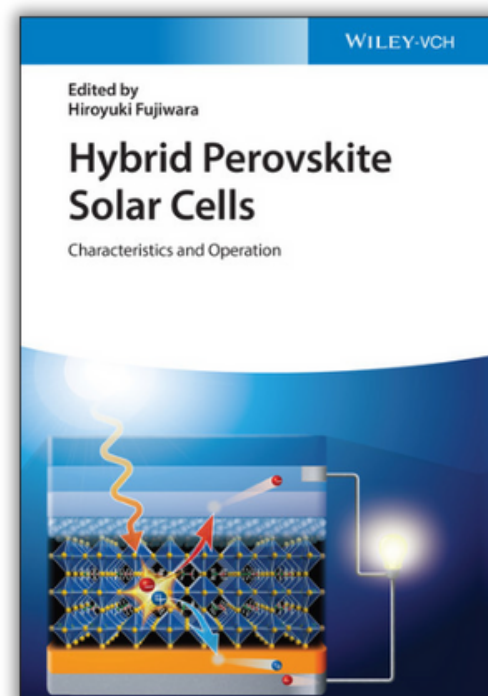
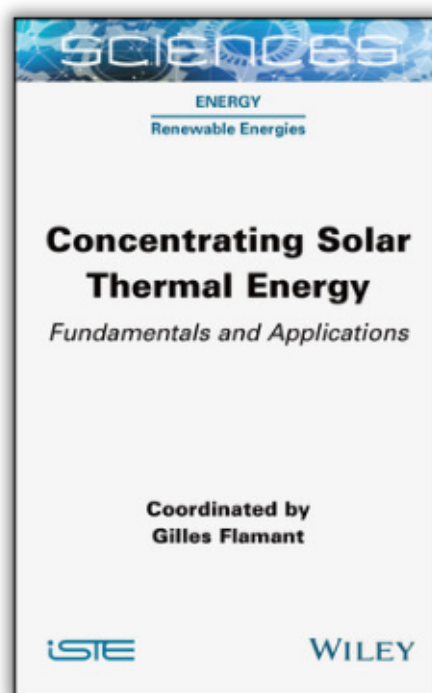
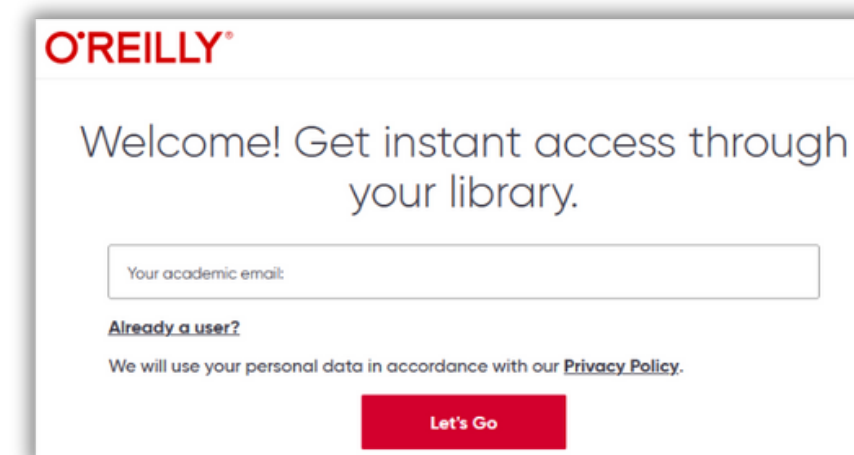


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