

nanomaterials



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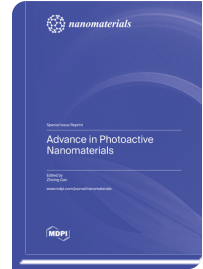
Advance in Photoactive Nanomaterials

www.mdpi.com/books/reprint/7703

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ISBN 978-3-0365-8251-1 (Hardback)

ISBN 978-3-0365-8250-4 (PDF)



Photoactive nanomaterials exhibit myriad customized properties, making them appealing for a wide range of practical applications. Photoactive nanomaterials can convert photon to photon (photoluminescence), heat (photothermal effect), and separated charged carriers (photocatalytic reaction, photovoltaic effect), which is very important for the manipulation of light and the utilization of solar energy. This reprint collates 12 papers on recent research progress in emerging photoluminescent, photothermal, and photocatalytic nanomaterials, as well as their applications in optoelectronics and energy conversion.



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