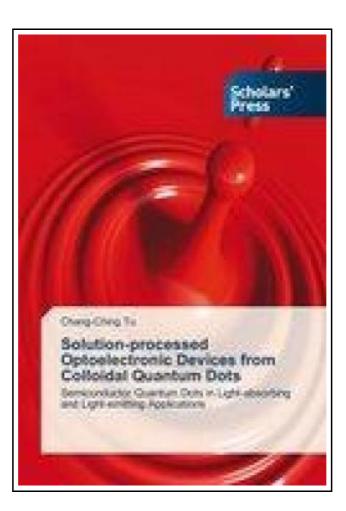
Solution-processed Optoelectronic Devices from Colloidal Quantum Dots



Filesize: 9.7 MB

Reviews

A high quality book as well as the font applied was exciting to read through. This can be for all those who statte there was not a well worth looking at. I discovered this ebook from my i and dad recommended this ebook to find out. (Mr. Monserrat Wiegand)

SOLUTION-PROCESSED OPTOELECTRONIC DEVICES FROM COLLOIDAL QUANTUM DOTS



To save **Solution-processed Optoelectronic Devices from Colloidal Quantum Dots** PDF, you should click the web link listed below and download the document or get access to other information that are have conjunction with SOLUTION-PROCESSED OPTOELECTRONIC DEVICES FROM COLLOIDAL QUANTUM DOTS book.

SPS Mai 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - This book contains design, synthesis, fabrication and testing of optoelectronic devices which are composed of colloidal inorganic semiconductor materials and fabricated by potentially low-cost solution-processing methods. The first part of this book demonstrates a novel fabrication method where colloidal quantum dots (QDs) are self-assembled layer-by-layer into a thin film structure through electrostatic interaction. This process allows precise control of QD thin film thickness by self-assembly and can in principle be applied to a wide range of substrates. Using such QD thin films, photoconductor photodetectors and metalintrinsic-metal photodiodes have been demonstrated. In the second part of this dissertation, heavy-metal-free colloidal Si materials are synthesized by electrochemical etching Si wafers, followed by surface modification and ultra-sonication for dispersion of Si nano- and/or micro-particles in various solvents. Demonstrated applications include RGB photoluminescent Si phosphors, scattering-enhanced Si nano-/micro-particle composite photodetectors and hybrid Si QD-organic light-emitting-diodes (LEDs). 108 pp. Englisch.

Read Solution-processed Optoelectronic Devices from Colloidal Quantum Dots Online

Download PDF Solution-processed Optoelectronic Devices from Colloidal Quantum Dots

You May Also Like

_

[PDF] Programming in D

Click the hyperlink listed below to read "Programming in D" document. Save eBook »

	P	
_	_	
=		

[PDF] No Friends?: How to Make Friends Fast and Keep Them (Paperback) Click the hyperlink listed below to read "No Friends?: How to Make Friends Fast and Keep Them (Paperback)" document.

Save eBook »

[PDF] Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire

Click the hyperlink listed below to read "Kindle Fire Tips And Tricks How To Unlock The True Power Inside Your Kindle Fire" document.

Save eBook »

=	
_	

[PDF] Studyguide for Constructive Guidance and Discipline: Preschool and Primary Education by Marjorie V. Fields ISBN: 9780136035930

Click the hyperlink listed below to read "Studyguide for Constructive Guidance and Discipline: Preschool and Primary Education by Marjorie V. Fields ISBN: 9780136035930" document. Save eBook »

[PDF] Studyguide for Creative Thinking and Arts-Based Learning : Preschool Through Fourth Grade by Joan Packer Isenberg ISBN: 9780131188310

Click the hyperlink listed below to read "Studyguide for Creative Thinking and Arts-Based Learning : Preschool Through Fourth Grade by Joan Packer Isenberg ISBN: 9780131188310" document.

Save eBook »

[PDF] Psychologisches Testverfahren

Click the hyperlink listed below to read "Psychologisches Testverfahren" document. Save eBook »