

IEEE eLearning Library IEEE 數位課程資源 清單			
NO	Publication_title	Online_identifier	Published_online
1	(CSDA) Computing Foundations	1-4673-3174-0	2018-10-17
2	(CSDA) Engineering Foundations	1-4673-3171-6	2018-10-17
3	(CSDA) Mathematical Foundations	978-1-4673-0637-9	2018-10-17
4	(CSDA) Software Architecture and Design	1-4673-3173-2	2018-10-17
5	(CSDA) Software Configuration Management	1-4673-3151-1	2018-10-17
6	(CSDA) Software Construction, Methods and Tools	978-1-4673-0622-5	2018-10-17
7	(CSDA) Software Engineering Economics	978-1-4673-0649-2	2018-10-17
8	(CSDA) Software Engineering Management	978-1-4673-0648-5	2018-10-17
9	(CSDA) Software Engineering Methods	1-4673-3172-4	2018-10-17
10	(CSDA) Software Engineering Process	1-4673-3152-X	2018-10-17
11	(CSDA) Software Engineering Professional Practice	978-1-4673-0638-6	2018-10-17
12	(CSDA) Software Maintenance	978-1-4673-0647-8	2018-10-17
13	(CSDA) Software Quality	1-4673-3153-8	2018-10-17
14	(CSDA) Software Requirements	978-1-4673-0623-2	2018-10-17
15	(CSDA) Software Testing	978-1-4673-0624-9	2018-10-17
16	(CSDP) Computing Foundations	978-1-4673-0600	2018-10-17
17	(CSDP) Engineering Foundations	978-1-4673-0607-2	2018-10-17
18	(CSDP) Mathematical Foundations	978-1-4673-0608-9	2018-10-17
19	(CSDP) Software Quality	978-1-61284-518-0	2018-10-17
20	(CSDP) Software Architecture and Design	978-1-61284-500-5	2018-10-17
21	(CSDP) Software Configuration Management	978-1-61284-528	2018-10-17
22	(CSDP) Software Construction, Methods and Tools	978-1-61284-501-2	2018-10-17
23	(CSDP) Software Engineering Economics	978-1-4673-0606	2018-10-17
24	(CSDP) Software Engineering Management	978-1-4673-0604	2018-10-17
25	(CSDP) Software Engineering Process	978-1-4673-0602	2018-10-17
26	(CSDP) Software Engineering Professional Practice	978-1-4673-0605	2018-10-17
27	(CSDP) Software Maintenance	978-1-4673-0603	2018-10-17

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NO	Publication_title	Online_identifier	Published_online
28	(CSDP) Software Requirements	978-1-61284-517-3	2018-10-17
29	(CSDP) Software Testing	978-1-61284-527	2018-10-17
30	3G Wireless Systems	978-1-4244-6187-5	2015-05-26
31	4G Broadband LTE	1-4673-3229-1	2015-05-26
32	A Primer on Cluster Analysis: I Models and Algorithms	1-4244-1440-7	2015-05-26
33	A Primer on Clustering: II. Tendency Assessment and Cluster Validity	1-4244-1441-5	2015-05-26
34	A Primer on Clustering: III. (Mostly) Fuzzy Clustering in Very Large Data Sets	1-4244-1442-3	2015-05-26
35	A Software Design Method for Embedded Systems	0-7803-9664-2	2015-05-26
36	A Software Design Methodology for Real-Time Embedded Systems Part II: Design and Coding Guidelines	978-1-4244-6176-9	2015-05-26
37	AC Motors: Induction Motors	978-1-5090-0507-9	2015-08-04
38	Advanced Protocols for Wireless Ad-hoc Networks	0-7803-9656-1	2015-05-26
39	Advanced Universal Plug and Play Technology Topics	978-1-4244-2994-3	2015-05-26
40	Advances in Digital RF Architectures and Digitally-Assisted RF	978-1-4244-6186-8	2015-05-26
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42	Airborne Pulse Doppler Techniques	1-4673-3167-8	2018-06-22
43	Amazon EC2 and S3 hands-on	1-4673-3248-8	2015-05-26
44	An Introduction to Leadership: A Primer for the Practitioner	978-1-4244-6202-5	2015-05-26
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46	An Introduction to Sustainable Green Engineering Part 2	978-1-4244-6168-4	2015-05-26
47	An Introduction to windmill and Wind Turbine Design and Manufacturing Processes	978-1-4673-0609-6	2015-05-26
48	Analog Digital Converter Design Part 1	978-1-4244-6204-9	2015-05-26
49	Analog Digital Converter Design Part 2	978-1-4244-6205-6	2015-05-26
50	Antennas 1- Basics and Mechanical Scanning Techniques	1-4673-3161-9	2018-06-22
51	Antennas 2 - Electronic Scanning and Hybrid Scanning Techniques	1-4673-3162-7	2018-06-22
52	Applications of Neural Networks for RF Design	0-7803-9673-1	2015-05-26

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53	Applying Medical Imaging in Drug Development- To Certify Confidence in Conclusions (Archived)	1-4673-3213-5	2015-05-26
54	Atmospheric Propagation Effects (Archived)	1-4673-3158-9	2018-06-22
55	Basics of Microwave Filter Design: Introduction to Filter Basics	978-1-4244-6195-0	2015-05-26
56	Basics of RF PA Design (Archived)	1-4244-1435-0	2015-05-26
57	Battery Design Principles	1-4673-3203-8	2015-05-26
58	Biometrics for Recognition at a Distance	978-1-4244-6203-2	2015-05-26
59	Biometrics: Privacy and Social Acceptance	978-1-4244-6215-5	2015-05-26
60	Biometrics: Solutions for Security and Authentication (Archived)	1-4244-1447-4	2015-05-26
61	Calibration and Error Correction Techniques for Network Analysis	1-4244-1429-6	2015-05-26
62	Career Networking for Technical Professionals	1-4673-3180-5	2015-05-26
63	Cellular Wave Computers--Via Million Processing	978-1-4244-2981-3	2015-05-26
64	Challenges Near the Limit of CMOS Scaling	0-7803-9645-6	2015-05-26
65	Changes to the NESC (R) 2017 Edition	978-1-5090-0543-7	2017-02-01
66	Charles Kao: "Father of Fiber Optics"	978-1-4244-6140-0	2015-05-26
67	Cloud Based Solutions for Big Data	978-1-4799-8513-5	2015-05-26
68	Cloud Benefits and Challenges	1-4673-3234-8	2015-05-26
69	Cloud Compliance and Privacy Protection	978-1-4799-8516-6	2015-05-26
70	Cloud Compliance Assessment Hands On	978-1-4799-8517-3	2015-05-26
71	Cloud Computing Definition, Reference Architecture, and General Use Cases	1-4673-3233-X	2015-05-26
72	Cloud Computing Enabling Technologies	1-4673-3235-6	2015-05-26
73	Cloud Computing Global Impact and Compliance	1-4673-3237-2	2015-05-26
74	Cloud Computing Introduction	1-4673-3232-1	2015-05-26
75	Cloud Computing Part 1: An Introduction	1-4673-3181-3	2015-05-26
76	Cloud Computing Part 2	1-4673-3182-1	2015-05-26
77	Cloud Computing Part 3	1-4673-3183-X	2015-05-26

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78	Cloud Construction	1-4673-3246-1	2015-05-26
79	Cloud Data Center Network Construction	978-1-4799-8520-3	2015-05-26
80	Cloud Deployment Automation Tools	1-4673-3249-6	2015-05-26
81	Cloud Federation and Federated Access Control	978-1-4799-8515-9	2015-05-26
82	Cloud IaaS Storage Management	1-4673-3245-3	2015-05-26
83	Cloud Infrastructure as a Service Architecture	1-4673-3242-9	2015-05-26
84	Cloud Management Software/Platforms: OpenStack	1-4673-3240-2	2015-05-26
85	Cloud PaaS Services Design with Microsoft Azure		2015-05-26
86	Cloud Platform as a Service	978-1-4799-8507-4	2015-05-26
87	Cloud Powered Services Design	1-4673-3247-X	2015-05-26
88	Cloud SaaS Applications for Business	978-1-4799-8512-8	2015-05-26
89	Cloud Security	978-1-5090-0535-2	2016-08-11
90	Cloud Security and Data Protection	978-1-4799-8514-2	2015-05-26
91	Cloud Service and Deployment Models	1-4673-3236-4	2015-05-26
92	Cloud Services and Software Platforms: OpenNebula	1-4673-3241-0	2015-05-26
93	Cloud Software as a Service (SaaS)	978-1-4799-8511-1	2015-05-26
94	Cloud Standardization and Component Technology Overview	1-4673-3238-0	2015-05-26
95	Clutter Rejection Techniques-Pulse Doppler Processing	1-4673-3166-X	2018-06-22
96	Clutter Rejection Techniques: Basics and Moving Target Indication (MTI)	1-4673-3165-1	2018-06-22
97	Coil Design and Analysis	978-1-5090-0502-4	2015-08-04
98	Communication and Presentation Skills for Technical Professionals	1-4673-3177-5	2015-05-26
99	Computational Intelligence: Natural Information Processing (Archived)	0-7803-9662-6	2015-05-26
100	Computing Foundations and IEEE Standards Bundle	1-4673-3191-0	2018-10-17
101	Concepts and Models for Repairable Systems Reliability	978-1-4244-2992-9	2015-05-26
102	Cooperative Control of Multiagent Systems: Synthesis and Experimentation (Archived)	1-4244-1445-8	2015-05-26

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103	Cryptography Fundamentals	978-1-5090-0519-2	2016-09-13
104	Customizable and Downloadable Graphic Templates (PC and Mac) for Process Modeling Green Engineering Systems (Archived)	978-1-4244-6212-4	2015-05-26
105	Cyber Security of Industrial Control Systems (ICS) (Archived)	978-1-4244-2987-5	2015-05-26
106	Cyber Security of Substation Control and Diagnostic Systems	0-7803-9650-2	2015-05-26
107	Data Dictionary and Process Description Methods & Examples (Archived)	978-1-4244-6210-0	2015-05-26
108	Data Security in the Cloud	978-1-5090-0536-9	2016-08-11
109	Databases in Cloud PaaS Data Structures and Models	978-1-4799-8508-1	2015-05-26
110	DC Motors	978-1-5090-0506-2	2015-08-04
111	Dealing with Issues in VLSI Interconnect Scaling	1-4244-1450-4	2015-05-26
112	Denial of Service Attacks	978-1-5090-0541-3	2016-10-28
113	Design and Implementation of Cooperative Learning	1-4673-3215-1	2015-05-26
114	Design for Six Sigma	1-4244-1430-X	2015-05-26
115	Design of Active-RC Filters for the Analog Front End (of Integrated Circuit System Chips) (Archived)	1-4244-1439-3	2015-05-26
116	Design of Electrically Small Antennas	978-1-4244-2991-2	2015-05-26
117	Design of Small Ultra-Wideband Antennas	978-1-4244-2990-5	2015-05-26
118	Design-Oriented Feedback Analysis	0-7803-9659-6	2015-05-26
119	Detection of Signals in Noise	1-4673-3159-7	2018-06-22
120	Developing Career Goals for Technical Professionals	1-4673-3176-7	2015-05-26
121	Development Of Fuel Cell Technology for Electric Power Generation	0-7803-9658-8	2015-05-26
122	Digital Image Forensics	978-1-61284-519-7	2015-05-26
123	Digital Television Terrestrial Multimedia Broadcasting (DTMB)	978-1-4244-6175-2	2015-05-26
124	Distributed Generation	978-1-4244-2989-9	2015-05-26
125	Dual Port SRAM - BIT LINE TRANSITION AND READ SELECT WITH 1 OF 2 DEC	978-1-61284-522	2015-05-26
126	Dual Port SRAM - Overview	978-1-4244-6213-1	2015-05-26
127	Dual Port SRAM - Clock Cycle and Precharge	978-1-61284-516-6	2015-05-26
128	Dual Port Sram - Data In Buffer	978-1-4673-0621-8	2015-05-26

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129	Dual Port SRAM - Data Out Buffer	978-1-61284-524	2015-05-26
130	Dual Port SRAM - Memory Architecture	978-1-61284-515-9	2015-05-26
131	Dual Port SRAM - Overview	978-1-4244-6219-3	2015-05-26
132	Dual Port SRAM - Row Decoder	1-4673-3226-7	2015-05-26
133	Dual Port SRAM - SPICE Simulation Model Of Array	978-1-61284-514-2	2015-05-26
134	Dual Port Sram - Write Path	978-1-61284-526	2015-05-26
135	Dual Port SRAM - Writing Bit Cell During Word Line Collision	978-1-61284-525	2015-05-26
136	Dual Port SRAM Bit Line Coupling Between Ports	978-1-4673-0620-1	2015-05-26
137	Dual Port SRAM Design - Chip Plan and Array Configuration	978-1-61284-513-5	2015-05-26
138	Dual Port SRAM- Sensing Scheme	978-1-61284-523	2015-05-26
139	Dual Port SRAM: Memory Cell Layout and Array Coupling	978-1-4244-6227-8	2015-05-26
140	Dynamically Adaptive Power Supply Circuits for Radio-Frequency (RF) Power Amplifier (PA) Applications	0-7803-9652-9	2015-05-26
141	Effects of Reliability Mech. On VLSI Circuit Functionality (Archived)	0-7803-9643-X	2015-05-26
142	Electric Drives: Advanced Control & Encoder-less Operation	0-7803-9651-0	2015-05-26
143	Electric Drives: Understanding Basics	0-7803-9666-9	2015-05-26
144	Engineering Ethics: Biomedical Engineering	978-1-61284-507-4	2015-05-26
145	Engineering Ethics: Building a Strong Foundation	978-1-61284-508-1	2015-05-26
146	Engineering Ethics: Case Study in Biomedical Research	978-1-4673-0629-4	2015-05-26
147	Engineering Ethics: Case Study of DeKort and the US Coast Guard	978-1-4673-0633-1	2015-05-26
148	Engineering Ethics: Ethical Challenges for Military Engineers	978-1-4673-0634-8	2015-05-26
149	Engineering Ethics: Ethical Challenges for Robotic and Automation Engineers	978-1-4673-0630-0	2015-05-26
150	Engineering Ethics: Guidance on Sustainability	978-1-4673-0632-4	2015-05-26
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153	Engineering Ethics: Software Engineering	978-1-61284-510-4	2015-05-26
154	Engineering Ethics: Topics for Government Engineers	978-1-4673-0628-7	2015-05-26

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NO	Publication_title	Online_identifier	Published_online
155	Engineering for Human Rights: Opportunities, Risks and Responsibilities	978-1-4673-0644-7	2021-03-09
156	Ethical Hacking: Enumeration	978-1-5090-0529-1	2016-11-21
157	Ethical Hacking: Evasion Techniques	978-1-5090-0532-1	2017-01-09
158	Ethical Hacking: Malware Fundamentals	978-1-5090-0524-6	2016-12-20
159	Ethical Hacking: Scanning	978-1-5090-0528-4	2016-11-21
160	Ethical Hacking: Session Hijacking	978-1-5090-0530-7	2017-01-25
161	Ethical Hacking: SQL Injections	978-1-5090-0531-4	2016-12-07
162	Ethical Hacking: System Hacking	978-1-5090-0523-9	2017-01-09
163	Ethics in Standards Development and Application	978-1-5090-0510-9	2015-12-15
164	Everything You Need To Know About LT	1-4673-3231-3	2015-05-26
165	Evolution of Mobile Communications in China: 3G and TD-LTE	978-1-4244-6193-6	2015-05-26
166	Evolutionary Optimization Methods for Engineering: Part I - Genetic Algorithms	978-1-61284-505-0	2015-05-26
167	Evolutionary Optimization Methods for Engineering: Part II - Particle Swarm Optimization (Archived)	978-1-61284-506-7	2015-05-26
168	Exploring IoT Industry Applications: Limitations of Wireless Technology on Healthcare IoT	978-1-5386-0002-3	2017-03-09
169	Exploring IoT Industry Applications: Paving the Way for Future IoT Applications in Healthcare	978-1-5386-0003-0	2017-03-09
170	Exploring IoT Industry Applications: The Evolution of Internet of Things for Healthcare	978-1-5386-0001-6	2017-03-09
171	Face Biometrics for Security: Long-Range and Surveillance	978-1-4244-6214-8	2015-05-26
172	Fiber Optic Active Devices - LEDs, Lasers, and Detectors	978-1-4244-6159-2	2015-05-26
173	Fiber Optic Active Devices - Optical Subassemblies, Amplifiers, and Designs	978-1-4244-6160-8	2015-05-26
174	Fiber Optic Cable - Cable Specifications, Preparation, and Specialty Cables	978-1-4244-6152-3	2015-05-26
175	Fiber Optic Cable - Fiber Optic Cables, Applications, and Manufacturing	978-1-4244-6151-6	2015-05-26
176	Fiber Optic Connectors - Fiber Optic Connectors	978-1-4244-6157-8	2015-05-26
177	Fiber Optic Connectors - Termination and Testing	978-1-4244-6158-5	2015-05-26
178	Fiber Optic Installation	978-1-4244-6164-6	2015-05-26
179	Fiber Optic Passive Devices - Couplers, Filters and Compensators	978-1-4244-6161-5	2015-05-26
180	Fiber Optic Passive Devices - WDM and Switches: Components to Systems	978-1-4244-6162-2	2015-05-26

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181	Fiber Optic Patch Panels, Splice Closures, and Pedestals - Outside Plant and FTTx Cable Management Products	978-1-4244-6156-1	2015-05-26
182	Fiber Optic Patch Panels, Splice Closures, and Pedestals -- Cable Management Products	978-1-4244-6155-4	2015-05-26
183	Fiber Optic Safety	978-1-4244-6163-9	2015-05-26
184	Fiber Optic Splicing - Fiber Preparation and Multimode Splicing	978-1-4244-6153-0	2015-05-26
185	Fiber Optic Splicing - Fusion and Specialty Splicing	978-1-4244-6154-7	2015-05-26
186	Fiber Optic Test Equipment and Testing Fiber Optic Links - Fiber Optic Test Equipment	978-1-4244-6147-9	2015-05-26
187	Fiber Optic Test Equipment and Testing Fiber Optic Links - Testing Fiber Optic Links	978-1-4244-6148-6	2015-05-26
188	Fighting Against Counterfeit Drugs with Sproxil	978-1-4673-0626-3	2021-03-09
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190	Footprinting	978-1-5090-0520-8	2016-09-16
191	Fuel Cell Power Characteristics, Efficiency and Life Span	978-1-4799-8539-5	2015-08-04
192	Fuel Cell Principles	978-1-4799-8538-8	2015-08-04
193	Fuel Cell System Components - Air Supply Circuit	978-1-4799-8540-1	2015-08-04
194	Fuel Cell System Components ? Other Ancillaries	978-1-5090-0498-0	2015-08-04
195	Fuel Cell Vehicle Applications and Introduction to Hydrogen Economy	978-1-5090-0499-7	2015-08-04
196	Fundamentals and Application Engineering of Electrochemical Capacitors: Applications	978-1-4244-6185-1	2015-05-26
197	Fundamentals and Application Engineering of Electrochemical Capacitors: Fundamentals	978-1-4244-6184-4	2015-05-26
198	Fundamentals of Fiber Optics - Fiber History, Applications, and Specialty Fibers	978-1-4244-6144-8	2015-05-26
199	Fundamentals of Fiber Optics - Fiber Theory, Manufacturing and Dispersion	978-1-4244-6143-1	2015-05-26
200	Fundamentals of LTE Standards and Technologies	978-1-4244-6183-7	2015-05-26
201	Fundamentals of Metrology and Measurement Science	0-7803-9646-4	2015-05-26

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202	Fundamentals of Patent Protection for Engineers	978-1-61284-504-3	2015-05-26
203	Future Cloudscape	978-1-4799-8522-7	2015-05-26
204	Gait and posture: technologies and algorithms for biometrics applications	978-1-4244-6216-2	2015-05-26
205	Global Standards: A Driving Force for Commerce	1-4673-3201-1	2015-05-26
206	Green Production Management and Supply Chain Management: Aggregate Production Planning: Optimally Matching Capacity to Demand for Output	978-1-4673-0614-0	2015-05-26
207	Green Production Management and Supply Chain Management: Demand Forecasting With Exponentially Weighted Moving Averages Adjusted for Trend And Seasonality	978-1-4673-0613-3	2015-05-26
208	Green Production Management and Supply Chain Management: Demand Forecasting With Multiple Regression	978-1-4673-0612-6	2015-05-26
209	Green Radio Techniques for Improved Wireless Basestation Design	978-1-61284-499-2	2015-05-26
210	Hands On User Accounts and Access Control Management with Microsoft AAD	978-1-4799-8519-7	2015-05-26
211	Hands On? User Accounts and Access Control Management	978-1-4799-8518-0	2015-05-26
212	High Level Thermal Estimation Flow	978-1-4673-0627-0	2015-05-26
213	High power variable speed drives: Performance issues, application guide, and network studies Part 1 (Archived)	978-1-4244-6188-2	2015-05-26
214	High power variable speed drives: Performance issues, application guide, and network studies Part 2 (Archived)	978-1-4244-6190-5	2015-05-26
215	Highly Integrated, Re-Configurable RF Receiver Front-Ends in Deep Sub-Micron CMOS	978-1-4244-2986-8	2015-05-26
216	Home Networking Standards	0-7803-9663-4	2015-05-26
217	How to be a Prolific Inventor	978-1-61284-503-6	2015-05-26
218	How to Read a Standard	978-1-5090-0511-6	2015-12-15
219	HVDC Transmission: System Interactions and Studies Part 2 (Archived)	978-1-4673-0617-1	2015-05-26
220	HVDC Transmission: Technology and Practical Aspects Part I (Archived)	978-1-4673-0616-4	2015-05-26
221	Hybrid Electric Vehicles: Exploring the Electronic CVT (Archived)	0-7803-9665-0	2015-05-26
222	IEEE 802.11N MAC Layer	1-4244-1453-9	2015-05-26

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NO	Publication_title	Online_identifier	Published_online
223	IEEE 802.11N Physical Layer	1-4244-1444-X	2015-05-26
224	IEEE 802.11n-2009 Standard + IEEE 802.11n Mac Layer e-Learning Course Bundle	978-0-7381-5475-6	2015-05-26
225	IEEE Intercloud Interoperability and Federation Framework	978-1-4799-8521-0	2015-05-26
226	IEEE Risk Management	1-4244-1436-9	2015-05-26
227	IEEE Standard 1588	978-1-5090-0512-3	2015-12-15
228	IEEE Std 802.11n-2009 Standard with IEEE 802.11n Physical Layer eLearning Tutorial - Bundle	978-0-7381-6105-1	2015-05-26
229	Implementations of Computational Intelligence Techniques	0-7803-9671-5	2015-05-26
230	Including Medical Imaging in Drug Development - To Answer the Relevant Question	1-4673-3212-7	2015-05-26
231	Information Theoretic Learning	0-7803-9670-7	2015-05-26
232	Innovation and Entrepreneurship within the Tech Community in Nairobi	978-1-61284-502-9	2021-03-09
233	Integrated Circuit Digital Design Methodology	978-1-4244-3002-4	2015-05-26
234	Integrated Circuit Digital Design Methodology: Advanced Analysis and Simulation	978-1-4244-3003-1	2015-05-26
235	Interconnect Technology for 32 NM and Beyond	1-4244-1446-6	2015-05-26
236	Internet Access in Rural Africa	978-1-4673-0601	2021-03-09
237	Internet of Things Challenges	978-1-5090-0540-6	2016-10-28
238	Internet of Things Technologies	978-1-5090-0539-0	2016-10-28
239	Introduction and Overview of Wind Turbine Design Challenges	978-1-4673-0610-2	2015-05-26
240	Introduction to Batteries	1-4673-3202-X	2015-05-26
241	Introduction to Conformity Assessment	978-1-5090-0511-6	2015-12-15
242	Introduction to Developing Embedded Systems	0-7803-9648-0	2015-05-26
243	Introduction to Electric Machines	978-1-5090-0505-5	2015-08-04

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NO	Publication_title	Online_identifier	Published_online
244	Introduction to EPICS in IEEE	1-4673-3211-9	2018-06-22
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