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| ▼ الاسم المستخدم في نشر البحوث حسب الكوكل سكولر Dr. Fadhil Abbas Mahdi Al-Qrimli |

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| ▼ الاتجاهات البحثية  * Power Electronics, Renewable Energy, Digital Electronics, Materials |

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| ▼ الدرجة العلمية Lecturer |

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| ▼ الأبحاث المنشورة  |  |  |  |  | | --- | --- | --- | --- | | **No.** | **Paper Title** | **Place and Date** | **Country** | |  | Single-Phase, H-Bridge 3-level Inverter of Wide Range Input Voltage for Grid Connected Solar Photovoltaic Applications | International Journal of Computer Applications (0975 – 8887), Vol. 181 No. 26, November 2017 | NY, USA | |  | Hardware Implementation of Three- Phase Split-Source Inverter (SSI) | International Journal of Computer Applications (0975 – 8887), Vol. 177, No. 3, November 2017 | NY, USA | |  | Three- phase Split-Source Inverter (SSI) | International Journal of Computer Applications (0975 – 8887), Vol. 168, No. 4, June 2017 | NY, USA | |  | Innovation of a Humanoid Robotic Wrist | International Conference on Applications and Design in Mechanical Engineering 2012 (ICADME 2012), 27-28 February 2012 | Penang, Malaysia | |  | The Effect of Composite Tubes Subjected to Axial Loading Comparing with the Number of Layers and Geometry | Australian Journal of Basic and Applied Sciences, Elsevier (SCOPUS), ISSN 1991-8178,Vol. 5(11), pp. 607-616, (2011) | Australia | |  | Energy Absorption of Thin-Walled Composite Tubes Subjected Under Quasi-Static Compression | 2010 International Conference on Systems Engineering and Modeling (ICSEM 2010), April 23-25, 2010 | Bangkok, Thailand | |  | Optimum Power Extraction from a Wind Turbine and Electrical Generator Transferred to the Load | sent to the ISES in Germany, 1/8/2009 |  | |  | Wind Energy Potential In Qatar | Quest 2002, (Qatar United for the Environment, Science and Technology) for the Middle East & North Africa, 27- 30 Jan 2002 | Doha Qatar | |  | Windmill In Electric Cars | cataee- 95 Philadelphia University Conference, May 21- 23 1995 | Jordan/ Amman | |  | Transient Response Of Modified Variable Phase Shift Automatic Voltage Regulator | iee Proc., Vol. 131, Pt. G, No. 1, Feb. 1984 | UK | |

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| ▼ الكتب والمؤلفات  |  |  |  |  | | --- | --- | --- | --- | | **No.** | **إسم الكتاب** | **مكان وتاريخ النشر** | **البلد** | |  | Computer text book for the 4th year Secondary School, 1st Ed. | وزارة التربية/ العراق/ آب 2009 | العراق | |  | Computer text book for the 1st year Preparatory School, 1st Ed. | وزارة التربية/ العراق/ تموز 2009 | العراق | |  | Computer text book for the 3rd year Primary School, 1st Ed. | وزارة التربية/ العراق/ آيار 2009 | العراق | |  | Computer text book for the 1st year Preparatory School, 2nd Ed. | وزارة التربية/ العراق/ أيلول 2010 | العراق | |  | Computer text book for the 2nd year Preparatory School, 1st Ed. | وزارة التربية/ العراق/ أيلول 2011 | العراق | |

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| ▼ رسائل الماجستير الذي أشرف عليها  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **ت** | **اسم الأطروحة أو الرسالة** | **القســـم** | **إسم الطالب** | **تاريخ تسليم الأطروحة** | |  | High Frequency Voltage Fed PWM Inverter for AC Motor Drive | الهندسة الكهربائية | واقد صالح عزيز | September 1993 | |  | Optimum Power Extraction From a Wind Turbine Generator to The Load | الهندسة الكهربائية | أحمد جبار عباس | July 2010 | |  | Controller Design of Variable-speed Wind Generation System | الهندسة الكهربائية | أحمد سعد مجيد | September 2010 | |  | Investigating The optimum Power Extraction From Wind Turbine Using DFIG | الهندسة الكهربائية | محمد علي فليح | October 2011 | |  | A Study of Harmonics in Pulse Width Modulation Power Inverter as Motor Drive | الهندسة الكهربائية | حسين تكليف كاظم | February 2012 | |  | Four-Leg Voltage Source Inverter using Space Vector Control | الهندسة الكهربائية | لؤي كمال عبدالقادر أحمد | August 2014 | |  | Harmonics and Reactive Power Compensator using Five-Level active filter of PWM Voltage | الهندسة الكهربائية | حسين حميد باقر | August 2015 | |  | Simulation and Realization (SPWM) Single-Phase Inverter Using Fuzzy Logic Controller | الهندسة الكهربائية | حسن عبد الهادي تركي | October 2016 | |  | Multilevel PWM VSI for Solar Energy Application | الهندسة الكهربائية | أثير عبدالهادي محمد | Julay 2017 | |  | Analysis and Implementation of Three-Phase Split-Source Inverter | الهندسة الكهربائية | ياسمين شاكر | September 2017 | |  | Design and Implementation of Single-phase Inverter fed from Solar DC-DC Boost converter . | الهندسة الكهربائية | مرتضى جاسم | Jun 2019 | |  | Grid connected 3-phase inverter based on Photovoltaic solar system | الهندسة الكهربائية | كرم عبدالواحد |  | |  | Power Control for Wind-PV-Battery Based Standalone System | الهندسة الكهربائية | ميادة |  | |

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| ▼ اطاريح الدكتوراه الذي اشرف عليها  * N/A N/A |