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|  ▼ الاسم المستخدم في نشر البحوث حسب الكوكل سكولرHanan Mikhael Dawood Habbi 汉娜 |

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| ▼ الاتجاهات البحثية* Electrical Machines and Drives, Electric Power System
* المكائن الكهربائية وانظمة القدرة الكهربائية
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| ▼ الدرجة العلميةAssistant Professorاستاذ مساعد |

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| ▼ الأبحاث المنشورة

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| --- | --- |
| Speed Control of Induction Motor using PI and V/F Scalar Vector ControllersHM Habbi, Hussein Jalil Ajeel, Inaam Ibrahim AliInternational Journal of Computer Applications 151 (7), 36-43, 2016 | 2016 |
| Robust sensorless rotor position estimation of IPM in EV cooperation with cross saturation effectsHM Habbi, S Huang, J Gao, P ZhuZhongguo Dianji Gongcheng Xuebao(Proceedings of the Chinese Society of …, 2012 | 2012 |
| 基于交叉耦合效应的车用内置式永磁电机转子位置估计黄苏融， 高瑾， 朱培骏中国电机工程学报, 124-133, 2012 | 2012 |
| PI and Fuzzy Speed Controllers for PM Synchronous Motor DriveHM Habbi, Sara T. Rashedinternational journal of computer applications 149 (1), 1-9, 2016 | 2016 |
| FPGA based vector control of PM motor using sliding mode observerHM Habbi, AAA Al-KhazrajiModern Electric Power Systems (MEPS), 2015, 1-5, 2015 | 2015 |
| Software Defined Radio (SDR) Methodology Based Multi–Core Software PlatformHMD Enas H. Ibrahem , Nadia Q. MohammedIRAQI JOURNAL OF APPLIED PHYSICS 9 (4), 3-9, 2013 | 2013 |
| Sensorless Control Approach Based Adaptive Fuzzy Logic Controller for IPMSM Drive with an On-line Stator Resistance EstimationHMD Habbi, H Surong2009 Pacific-Asia Conference on Knowledge Engineering and Software …, 2009 | 2009 |
| Design and Performance Analysis of a 3-phase Induction motor for Solar Photovoltaic fed Pumping SystemHM ahmed aladelyJournal of Engineering and Applied Sciences JEAS, 2019 | 2019 |
| Maximum Power Point Tracking Photovoltaic Fed Pumping System Based on PI ControllerAMA Hussain, HMD Habbi2018 Third Scientific Conference of Electrical Engineering (SCEE), 78-83, 2018 | 2018 |
| Implementation of Power System Stabilizer Based on Conventional and Fuzzy Logic ControllersHM Habbi, A AlhamadaniJournal of Engineering 24 (3), 97-113, 2018 | 2018 |
| Genetic Controller Stator-Flux Orientated Vector Control of Doubly-Fed Induction Generator for Wind Power Generation SystemHMD HabbiInternational Journal of Computer Applications 179 (24), 28-32, 2018 | 2018 |
| Power System Stabilizer PSS4B Model for Iraqi National Grid using PSS/E SoftwareHM Habbi, A AlhamadaniJournal of Engineering 24 (5), 29-45, 2018 | 2018 |
| Fault Detection and Diagnosis Based on Artificial Neural NetworkAAAH HM HabbiInternational Journal of Scientific & Engineering Research 7 (5), 1690-1697, 2016 | 2016 |
| Computational Intelligence Techniques of Long-Term Electric Power Load Forecasting on Iraqi National GridHM Habbi, Nsaif Younis MuhhyJournal of the Federation of Arab Universities for Studies and Research …, 2015 | 2015 |
| OPTIMAL ECONOMIC DISPATCH BASED ON ARTIFICIAL BEE COLONY TECHNIQUE FOR IRAQI NATIONAL GRIDHM Dawood, YM NsaifDiyala Journal of Engineering Sciences, College of Engineering, University …, 2015 | 2015 |
| Torque Ripple Reduction Based Direct Torque Control for Induction Motor DriveJHA Hayder S. Hameed, Hanan Mikhael HabbiInternational Journal of Engineering Research & Technology 3 (12), 2014 | 2014 |
| FPGA Based Vector Control of PM Motor Using Sliding Mode ObserverHMD Habbi, Afaneen Anwer Abood Al-Khazrajiaste, 2014 | 2014 |
| System Design of BERT Based on FPGA/DSP Hardware ImplementationHMH Ekhlas Kadhum, Widad Ismail, Girish KumarThe Mediterranean Journal of Electronics and Communications, 2013 | 2013 |
| Model Reference Adaptive Model for Sensorless Rotor Position Estimation of IPMSM DriveEHI Nadia Qasim Mohammed, Hanan M.Habbi, Ekhlas KadhumNajaf conference, Najaf, Iraq, 2013 | 2013 |
| Influence of Magnetic Saturation on Sensorless Rotor Position Estimation in IPMSM Drives Based on HIL SimulatorEH Ibrahem, HM DawoodIraqi Journal of Applied Physics 8 (3), 3-9, 2012 | 2012 |
| Comparative of Maximum Power Point Tracking Solar Photovoltaic Fed Brushless DC Motor“,Ahmed Mohammed Abdul Hussain, Hanan Mikhael D. Habbi,International Journal of Computer Applications (0975 – 8887) Volume 8 No.6, 2018. | 2018 |
| Investigation of SPWM and SVPWM VSI for Induction Motor Drive,AMA Majeed, EH Ibrahem, NQ Mohammed, HMD Habbi,IOP Conference Series: Materials Science and Engineering 2019 | 2019 |
| ,"Power quality of dual two-level inverter fed open end winding induction motor", H.A.Mohamed, HMD Habbi Indonesian Journal of Electrical Engineering and Computer Science Vol.18, Issue 2, Pages 688-697, 2020. | 2020 |
| "Field-weakening control strategy for an interior permanent magnet synchronous motor", Farah M. Salim, Hanan Mikhael D. Habbi, 7th International Engineering Conference Sustainable Technology and Development, Erbil, Iraq, 2020. | 2020 |
| Torque Ripple Minimization with Fuzzy Logic Controller for Vector Control PM motor DrivesHMD HabbiNajaf Conference, Najaf, Iraq, 2012 | 2012 |
| Influence of Magnetic Saturation on Sensorless Rotor Position Estimation in IPMSM Drives Based on Hardware in the Loop SimulatorEnas Hamid Ibrahem, Hanan Mikhael HabbiIraqi Journal of applied physics (IJAP) 3 (1), 3-9, 2012 | 2012 |
| Influence of Magnetic Cross-Saturation on a Wide Speed Sensorless Rotor Position Estimation in IPMSM Drives Based on HIL SimulatorG Hanan M. Habbi, Huang SurongDelta Company., 2011 | 2011 |
| Instant messaging services ongoing development ConditionsQ Hanan Mikhael Habbi, Mikaeil B. and LiangThe 25th meeting of Wireless 5 World Research Forum (WWRF) 16th to 18th …, 2010 | 2010 |
| Sensorless Position Estimation Techniques for Continues Operation of IPMSM Drives Over a Wide Speed RangeWI Hanan Mikhael Habbi, ,Ekhlas Kadhum, Muhammad Ilyas Menhas, Huang SurongWWRF24 meeting, Penang, Malaysia, 2010 | 2010 |
| Sensorless Control Approach based Adaptive Fuzzy Logic Controller for IPMSM Drive with Inverter Output FilterWI Hanan Mikhael Habbi, Ekhlas Kadhum, Muhammad Ilyas Menhas, Huang SurongWWRF24 meeting, Penang, Malaysia, 2010 | 2010 |
| Hybrid Sensorless Speed and Rotor Position Estimator for Permanent Magnet Synchronous Motor Drives Including StandstillHS Hanan M.Dawood HabbiWWRF24 meeting, Penang, Malaysia, 2010 | 2010 |
| High-Frequency Different Injection Signals of Sensorless Control for IPMSM DriveHS Hanan M.Dawood HabbiWWRF24 meeting, Penang, Malaysia, 2010 | 2010 |
| Instant messaging services ongoing development ConditionsQ Hanan Mikhael Habbi, Mikaeil B. and LiangThe 25th meeting of Wireless World Research Forum (WWRF) 16th to 18th of …, 2010 | 2010 |
| Sensorless Position Estimation Techniques for Continues Operation of IPMSM Drives Over a Wide Speed RangeWI HM Habbi, ,Ekhlas Kadhum, Muhammad Ilyas Menhas, Huang SurongWWRF24 meeting, Penang, Malaysia, 2010., 2010 | 2010 |
| Sensorless Control Approach based Adaptive Fuzzy Logic Controller for IPMSM Drive with Inverter Output FilterWI Hanan Mikhael Habbi, Ekhlas Kadhum, Muhammad Ilyas Menhas, Huang SurongWWRF24 meeting, Penang, Malaysia, 2010., 2010 | 2010 |
| Hybrid Sensorless Speed and Rotor Position Estimator for Permanent Magnet Synchronous Motor Drives Including StandstillHS Hanan M.Dawood HabbiWWRF24 meeting, Penang, Malaysia, 2010., 2010 | 2010 |
| High-Frequency Different Injection Signals of Sensorless Control for IPMSM DriveHS Hanan M.Dawood HabbiWWRF24 meeting, Penang, Malaysia, 2010., 2010 | 2010 |
| Adaptive Fuzzy Logic Controller for Robust Sensorless Control IPMSM Drive with an On-Line Stator Resistance EstimationHS Hanan M. DawoodJOURNAL OF SCIENTIFIC AND ENGINEERING RESEARCH, vol. 3, 2010, ISSN 2074-7543 …, 2010 | 2010 |
| Different Approaches Investigation of Sliding Mode Controller for Linear and Nonlinear SystemsHS Hanan Mikhael HabbiJOURNAL OF SCIENTIFIC AND ENGINEERING RESEARCH, vol. 3, 2010, ISSN 2074-7543 …, 2010 | 2010 |
| An Adaptive Filter Based Fuzzy Logic Controller Incorporating MTPA for IPMSM DrivesHMD Habbi, MI Menhas, H Surong2009 Pacific-Asia Conference on Knowledge Engineering and Software … | 2009 |

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| ▼ الكتب والمؤلفات* N/A
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| ▼ رسائل الماجستير الذي اشرف عليها |

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 | * **أسم الطالب**
 | * **عنوان الرسالة / الأطروحة**
 | * **تاريخها**
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| * **1**
 | * **حيدر سالم حميد**
 | Torque Ripple Reduction Based Direct Torque Control for Induction Motor Drive | * **2014**
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| * **2**
 | * **يونس محي نصيف**
 | Computational Intelligence Techniques of Long-Term Electric Power Load Forecasting on Iraqi National Grid | * **2014**
 |
| * **3**
 | * **احمد عباس عبد الحمزة**
 | Fault Detection for Iraqi Super Grid Power System using Neural Network | * **2016**
 |
| * **4**
 | * **سارة طالب رشيد**
 | Adaptive Nonlinear Control strategy for permanent magnet synchronous motor drive | * **2016**
 |
| * **5**
 | * **احمد عبد الكاظم الحمداني**
 | ARTIFICIAL INTELLIGENT TECHNIQUES FOR POWER SYSTEM STABILIZER | * **2017**
 |
| * **6**
 | * **احمد محمد عبد الحسين**
 | Design and performance analysis of a brushless dc motor for solar photovoltaic fed pumping system | * **2019**
 |
| * **7**
 | * **حيدر علي محمد**
 | Torque Ripple Estimation Pulse-Width Modulation of Induction Motor Drive | * **2019**
 |
| * **8**
 | * **فرح مازن سالم**
 | Torque Control of IPMSM Drive in Flux Weakening Region | * **2020**
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| ▼ اطاريح الدكتوراه الذي اشرف عليها* N/A
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