**الاسم على الكوكل سكولر**

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| ▼ الاتجاهات البحثية Nanotechnologies, Optimization Algorithms, Machine Learning, Image Processing, Phase Change Materials (PCM), Computer Network Clustering, Neural Networks and Artificial Intelligence |

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| ▼ الدرجة العلمية مدرس دكتور |
| ▼ الكتب والمؤلفات  |  | | --- | | * **Automated Approach for Color image Generation**, Journal of Engineering 16 (4), 5932-5945. * **Coloring of gray-scale image using FPGA**, Journal of Engineering 14 (1). * **New Method To Implement Low Cost and High Speed 2D QMF**, Engineering and Technology Journal 24 (8). * **Reconfigurable three-terminal logic devices using phase-change materials**, University of Exeter, UK. * **Modeling a three-terminal, phase-change based logic device**, European Phase Change and Ovonic Symposium, Poster presented at E\PCOS 2016. * **Low Cost Hardware Back Propagation Algorithm**, Al-Khwarizmi Engineering Journal 3 (1), 81-90. * **Design and software implementation of a Digital Down Converter using FPGAs**, University of Baghdad, thesis. | |  | |  | |  | |
| ▼ رسائل الماجستير الذي اشرف عليها  * N/A |
| ▼ اطاريح الدكتوراه الذي اشرف عليها  * N/A |