



2011 IJME Impact Factor Calculation using the Google Scholar Method (Similar to the method used by ISI)

Fall 2010 issue: 11 total papers, 4 of which were used in the calculation (7 are not shown on Google Scholar so their citations are not known; therefore, for accuracy, they were excluded from the calculation)

[\[PDF\] Application of Six Sigma to Gear Box Manufacturing](#)

[K Farahmand, JVM Grajales...](#) - International Journal of ..., 2010 - [archive.ijme.us](#)

Abstract This study applies **Six Sigma** to optimize the keyway cutting operation on a shaft of a **gear box** produced by Horton Automatics Company. Since the operation had not been optimized, many problems had been raised in the assembly of keys with shafts and a ...

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[\[PDF\] SOUND SOURCE LOCALIZATION EMPLOYING POLAR DIRECTIVITY PATTERNS OF BIDIRECTIONAL MICROPHONES](#)

[V Varada, H Wang, V Devabhaktuni](#) - TRY ACAMEDICS! - [ijme.us](#)

Abstract This paper introduces a novel-**sound-source localization** technique using an array of **bidirectional microphones**. Specifically, the proposed technique exploits the **polar directivity pattern** of three **bidirectional microphones** to provide complete 360 **localization ...**

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Spring 2010 issue: 13 total papers, 7 of which were used in the calculation (6 are not shown on Google Scholar so their citations are not known; therefore, for accuracy, they were excluded from the calculation)

[\[PDF\]](#) **Design Prototyping for Manufacturability**

M Olumolade, DM Chen, H Chen - International Journal of Modern ..., 2010 - archive.ijme.us
Abstract **Prototyping** is one of the best ways to ensure **Design for Manufacturability** (DFM), and to bring all areas of a company involved in getting a product to market to come together and work for a common goal. Decisions made during this **design** stage will ultimately ...
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[\[PDF\]](#) **Feasibility study for replacing asynchronous generators with synchronous generators in wind farm power stations**

MT Ameli, S Moslehpour, A Mirzaie - IAJC-IJME International Conference, 2008 - ijme.us
... Based on the previous **studies** on the **induction** and **synchronous AC generators**, these kinds of ... In the following, the **feasibility** of **replacing induction generators** with multi-pole permanent magnet ... paper considered the example **Farm power generation** as a case for **study**, but its ...
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[\[PDF\]](#) **Low Power Self Sufficient Wireless Camera System**

F Yildiz - TRY ACAMEDICS!, 2010 - ijme.us
Abstract The potential ability to satisfy overall **power** and energy requirements of an application using ambient energy can eliminate some constraints related to conventional **power** supplies. **Power** scavenging may enable electronic devices to be completely **self-** ...
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Fall 2009 issue: 9 total papers, 8 of which were used in the calculation (1 is not shown on Google Scholar so its citations is not known; therefore, for accuracy, it was excluded from the calculation)

[\[PDF\] ENGINEERING COMMUNICATION-EXECUTIVE PERSPECTIVES ON THE NECESSARY SKILLS FOR STUDENTS](#)

JS Norback, EM Leeds, GA Forehand - ... [Journal of Modern Engineering](#), 2009 - [ijme.us](#)
Abstract Researchers at the Workforce **Communication** Program of the Georgia Tech Stewart School of Industrial and Systems **Engineering** conducted a qualitative study to understand how senior executives view the impact of **communication skills** in the hiring ...
[Cited by 2](#) [Related articles](#) [All 2 versions](#)

[\[PDF\] Monitoring of distributed pipeline systems by wireless sensor networks](#)

Y Jin, A Eydgahi - [Proceedings of the 2008 IAJC-IJME international ...](#), 2008 - [ijme.us](#)
Page 1. Proceedings of The 2008 IAJC-IJME International Conference **ISBN 978-1-60643-379-9** Paper 213, IT 304 Monitoring ... Page 2. Proceedings of The 2008 IAJC-IJME International Conference **ISBN 978-1-60643-379-9** Pipeline ...
[Cited by 26](#) [Related articles](#) [All 2 versions](#) [Cite](#)
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[\[PDF\] A novel automatic utility data collection system using IEEE 802.15. 4-compliant wireless mesh networks](#)

J Zhu, R Pecan - [Proc. of the IAJC-IJME International Conference, Paper, 2008](#) - [ijme.us](#)
Abstract In this paper, we propose a novel **Automatic Meter Reading (AMR) system using the IEEE 802.15. 4-compliant wireless networks**. The **mesh network based automatic utility data collection system** (AUDCS) provides a cost-efficient solution by exploring the ...
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[\[PDF\] A Real-time DSP-Based Optical Character Recognition System for Isolated Arabic characters using the TI TMS320C6416T](#)

H Almohri, J Gray, H Alnajjar - 2007 - [researchgate.net](#)
Abstract **Optical Character Recognition (OCR)** is an area of research that has attracted the interest of researchers for the past forty years. Although the subject has been the center topic for many researchers for years, it remains one of the most challenging and exciting areas ...
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[\[PDF\] Establishing an ISO 17025 Compliant Laboratory at a University](#)

K Hullihen, V Fitzsimmons, MR Fisch - ... Technology Opens the Door to a ..., 2009 - ijme.us
Abstract The continuing need for industry to follow and use International Organization for Standardization (ISO) standards puts pressure on **university** organizations, which perform **laboratory** testing for outside organizations, to ensure that their results satisfy the required ...
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Spring 2009 issue: 10 total papers, 7 of which were used in the calculation (3 are not shown on Google Scholar so their citations are not known; therefore, for accuracy, they were excluded from the calculation)

[\[PDF\] Design Coordination of Pre-amp EDFAs and PIN Photon Detectors For Use in Telecommunications Optical Receivers](#)

A Abu-aisheh, H Alnajjar - Pro-30 INTERNATIONAL JOURNAL OF ..., 2010 - ijme.us
Abstract The **pre-amp** Erbium-Doped Fiber Amplifier (EDFA) is becoming an integral part of **optical** receivers, and, consequently, **pre-amp** performance is interrelated to the performance of the receiver **photon** detector. For optimal **optical** receiver transmission ...
[Cited by 1](#) [Related articles](#) [All 2 versions](#)

[Active noise control using the filtered-x rls algorithm with sequential updates](#)

L Tan, J Jiang - Engineering Technology Opens the Door to a World ..., 2009 - archive.ijme.us
Abstract In this paper, we develop a **filtered-X** recursive least square (FXRLS) **algorithm** with **sequential updates**. Although the standard FXRLS **algorithm** demonstrates faster convergence speed over the standard **filtered-X** least mean square (FXLMS) **algorithm**, its ...
[Cited by 2](#) [Related articles](#) [All 4 versions](#) [Cite More](#)

[\[PDF\] Application of a Software Configurable Digital Servo Amplifier to an Electric Machine Control Course](#)

S Lee, B Campus - The International Journal of Modern Engineering, 2009 - ijme.us
Abstract The various applications of the three-phase permanent magnet brushless dc motor (PMBDCM) in the industry are increasing. The main purpose of this paper is to describe the **application** of a new technology to academic **electric machine control** and/or power ...
[Cited by 2](#) [Related articles](#) [All 4 versions](#) [Cite More](#)

1 Design and Testing of a Permanent Magnet Axial Flux Wind Power Generator

GF Price, TD Batzel, M Comanescu, BA Muller - Proceedings of the 2008 ..., 2008 - ijme.us
Abstract The **axial flux** (disc shape) **permanent magnet** machine is an attractive alternative to radial **flux** (cylindrical shape) machines in **wind turbine** applications. The **axial flux** configuration is amenable to the low-speed, high-torque operation of a direct drive **wind** ...
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2011 Impact Factor for IJME= 78/26= 3.0

Impact Factor

Journal Impact Factor

The journal Impact Factor is the average number of times articles from the journal published in the past two years have been cited in the JCR year.

The Impact Factor is calculated by dividing the number of citations in the **JCR year** by the total number of articles published in the two previous years. An Impact Factor of 1.0 means that, *on average*, the articles published one or two year ago have been cited one time. An Impact Factor of 2.5 means that, on average, the articles published one or two year ago have been cited two and a half times. The citing works may be articles published in the same journal. However, most citing works are from different journals, proceedings, or books indexed by Web of Science.

The formula to determine the 2011 impact factor for a journal would be calculated as follows:

A = the number of times articles published in the journal during 2009-10 were cited by other journals or same journal during 2011

B = the number of articles or reviews that were published in the journal during 2009-10

2011 Impact factor for a journal = A/B

Aggregate Impact Factor

The aggregate Impact Factor for a subject category is calculated the same way as the Impact Factor for a journal, but it takes into account the number of citations to all journals in the category and the number of articles from all journals in the category. An aggregate Impact Factor of 1.0 means that that, *on average*, the articles in the subject category published one or two years ago have been cited one time. The **median Impact Factor** is the median value of all journal Impact Factors in the subject category.

The Impact Factor mitigates the importance of absolute citation frequencies. It tends to discount the advantage of large journals over small journals because large journals produce a larger body of citable literature. For the same reason, it tends to discount the advantage of frequently issued journals over less frequently issued ones and of older journals over newer ones. Because the journal impact factor offsets the advantages of size and age, it is a valuable tool for journal evaluation.