

IRC Publishes papers in International Journals

S #	Authors	Paper Title	Journal Name	IF
1	Muhammad Abid , Abdul Waheed Awan, David H. Nash	Determination of load capacity of a non-gasketed flange joint under combined internal pressure, axial and bending loading for safe strength and sealing.	Journal of the Brazilian Society of Mechanical Sciences and Engineering. J Braz. Soc. Mech. Sci. Eng. DOI 10.1007/s40430-014-0136-0. 2014	0.234
2	M. Abid	Parametric study of gasketed flange joints of different sizes and classes for improved design and performance	NED University Journal of Research. VOL XI, NO. 1, 2014. Pp. 39-47. 2014	HEC Y-Cat
3	Muhammad Abid , Khasan S. Karimov and Hafiz A. Wajid	Numerical and Experimental Analysis of a Spiral Horizontal Axis Wind Turbine	Iranica Journal of Energy & Environment. 5 (1): 13-17, 2014	1.0595
5	Muhammad Abid , Suleman Ayub, Humza Wali, Muhammad Najam Tariq	Reliability centered maintenance plan for the utility section of a fertilizer industry: A case study	International Journal of Science and Advanced Technology. 4 (3), pp. 9-16. 2014	0.000
6	Muhammad Abid , Adnan Aslam Noon, M.W. Al-Grafi, Hafiz Abdul Wajid	Erosion study of Tarbela Dam Tunnel-1	Iranian Journal of Science and Technology–Trans of ME. Vol. 38, No. M1, pp 253-261. 2014	0.400
7	Kh.S.Karimov, M. Abid , M.Saleem, Kh.M.Akhmedov, M.Mehran Bashir, U.Shafique, M.Ali	Temperature gradient sensor based on CNT composite	Physica B. 446C. pp. 39-42. 2014	1.327
8	Kh.S.Karimo, Muhammad Abid , Cheong Kuan Yew, Nisar Ahmed, Muhammad Mehran Bashir, Zameer Abbas	Silicon Based Thermoelectric Cells with Built in Solar Cells and CNT Composite Based Thermoelectric Cells for Measurement of Gradient of Temperature	Advanced Materials Research Trans Tech Publications, Switzerland. Vol. 1024, pp 385-392 doi:10.4028/www.scientific.net/AMR.1024.385. 2014	0.000
9	N.H.Karimova, S.I.Islomov, Kh.M. Akhmedov, M. Abid , Kh.S.Karimov	The economics of biogas production	Bulletin of Tajik National University. No.1 pp.183-189. 2014	0.000
10	Muhammad Abid , Kamran Ahmed Khan, Javed Ahmad Chattha, Hafiz Abdul Wajid	Sealing performance of gasketed flange joints – A parametric study	IIUM Engineering Journal. Vol. 15, No. 2, pp. 59-67. 2014	0.0190
11	H.A.Wajid, M. Abid, A. Sohail	Compact Schemes for the Simulations of Wave Propagations	MATEMATIKA Vol. 30, pp. 85-89, 2014	0.000
12	Muhammad Abid , Khasan S Karimov, Hafiz Abdul Wajid, Fahmid Farooq, Haroon Ahmed, Omar Hafeez Khan	Design, Development and Testing of a Combined Savonius and Darrieus Vertical Axis Wind Turbine	Iranica Journal of Energy and Environment. Vol. 6, No. 1, pp. 15-18. 2015	1.057
13	Muhammad Tariq Saeed Chani, Sher Bahadar Khan, Kh. S. Karimov, M. Abid , M. Mehran Bashir, Abdullah M. Asiri, Kalsoom Akhtar	Influence of pressure on the impedance of SnO ₂ nanopowder	Journal of Optoelectronics and Advanced Materials -Rapid Communication. Vol. 9, No. 1-2, pp. 114 – 119. 2015	0.563

14	Muhammad Abid , Muhammad Hammad Akmal, Hafiz Abdul Wajid	Design optimization of box type girder of an overhead crane	Iranian Journal of Science and Technology–Trans of ME. Vol. 39, No. M1, pp 101-112. 2015	0.400
15	Muhammad Abid , Ahmad Abbas, Yasir Mehmood, Hafiz Abdul Wajid	Assembly performance of a gasketed bolted flanged pipe joint using different bolt tightening strategies	Iranian Journal of Science and Technology–Trans of ME. Vol. 39 No M2 October. 2015	0.400
16	Muhammad Tariq Saeed Chani, Sher Bahadar Khan, Kh. S. Karimov, M. Abid , Abdullah M. Asiri, Kalsoom Akhtar	Synthesis of metal oxide composite nanosheets and their pressure sensing properties	Journal of Semiconductors. Vol. 36/2, pp. 1-6. 2015	0.000
17	Muhammad Abid , Sattar Ullah, Hafiz Abdul Wajid	Parametric study for residual stresses and deformations in welded pipe-flange joints	Iranian Journal of Science and Technology–Trans of ME. In Press. 2015	0.400
18	Muhammad Abid , Muhammad Shahid Khalil, Hafiz A. Wajid	Loss of pre-load in the bolts with time	IIUM Engineering Journal. Vol. 16/1, pp. 1-8. 2015.	0.019
19	Muhammad Abid , Ayesha Khan, Hafiz Abdul Wajid, Masroor Hussain	Optimized bolt tightening procedure for different tightening strategies - FEA study	IMechE Part E: J. Process Mechanical Engineering. pp. 1-14	0.547

Papers submitted – In review and progress (Expected to be published in 2015 iA)

1	Muhammad Abid, Atta ur Rehman Shah, Hafiz Abdul Wajid.	IIUM Engineering Journal Revise	Analysis of a gasketed bolted flanged pipe joint under bolt up, internal pressure and dynamic loading.
2	Muhammad Abid, Shehbaz Mehmood Khan, Hafiz Abdul Wajid	Computers and Structures	Optimization of box type girders with and without industrial constraints
3	Zeeshan Ahmed, Muhammad Abid	https://mc.manuscriptcentral.com/geno Engineering Optimization	Nonlinear Response Topology Optimization using Equivalent Static Loads - Case Studies
4	Muhammad Abid, Muhammad Zohair Iqbal, Shayan Najam, Ali Arshad, Ammad Ahmad	Iranian Journal of Science and Technology–Trans of ME	Design and Analysis of an Aerodynamic Downforce Package for a Formula Student Race Car
5	Muhammad Abid and Niaz Bahadur Khan	Proc. IMechE Part E: J. Process Mechanical Engineering	Joint Strength of gasketed bolted pipe flange joint under combined internal pressure plus axial load with different (Industrial and ASME) bolt up strategy
6	Muhammad Abid, Yasir M. Khan, Hafiz A. Wajid	Mechanics and Materials in Design	Torque Control Vs Stretch Control Method during Gasketed Bolted Flange Joint Assembly: FEA Approach
7	Muhammad Abid, Jamal Saeed, Hafiz Abdul Wajid	JPME	Sediment and cavitation erosion studies through Tarbela dam tunnel 2 and 3
8	Muhammad Abid, Mujahid Naseem, Hafiz Abdul Wajid	IIUM Engineering Journal Revise	Selection of optimum truss geometry – A comparative study
9	Muhammad Abid	IIUM Engineering Journal	Energy audit of a textile mill – A case study
10	Muhammad Abid	Ready to submit	Design, analysis, manufacturing and testing of prototype of a hydraulic ram pump

