

# Mohsen shakeri

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## Other IDs

Scopus Author ID: 12144331500 (<http://www.scopus.com/inward/authorDetails.url?authorID=12144331500&partnerID=MN8TOARS>)

## Biography

Prof. in Mechanical Engineering  
Head of Regenerative Energy Research Center  
Mechanical Eng. Dept.  
Babol Noshirvani University of Technology

## Works (65 of 65)

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### **Small-scale resistance seam welding of 304 stainless steel with capacitor discharge welding machine**

*Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*

2021-01-04 | journal-article

DOI: 10.1177/0954405420976753

**Source:**Crossref

### **Evaluation of drawing force by a new dimensionless method in deep drawing process**

*Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*

2020-11-16 | journal-article

DOI: 10.1177/0954405420929770

**Source:**Crossref

### **Development a new methodology for measuring deep drawing forces based on dimensionless evaluation**

*Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*

2020-10-27 | journal-article

DOI: 10.1177/0954406220969718

**Source:**Crossref

**Stochastic Microstructure Reconstruction of a Binder/Carbon Fiber/Expanded Graphite Carbon Fiber Paper for PEMFCs Applications: Mass Transport and Conductivity Properties**

*Journal of The Electrochemical Society*

2019 | journal-article

DOI: 10.1149/2.0331907jes

**Source:**Crossref

**A simple and robust setup planning scheme for prismatic workpieces**

*CIRP Journal of Manufacturing Science and Technology*

2017 | journal-article

DOI: 10.1016/j.cirpj.2017.07.002

EID: 2-s2.0-85030028690

**Source:**Mohsen shakeriviaScopus - Elsevier

**Geometric Modeling of Infiltrated Solid Oxide Fuel Cell Electrodes with Directional Backbones**

*Fuel Cells*

2017 | journal-article

DOI: 10.1002/fuce.201600151

EID: 2-s2.0-85013639959

**Source:**Mohsen shakeriviaScopus - Elsevier

**Investigation of the geometric property hull for infiltrated solid oxide fuel cell electrodes**

*International Journal of Energy Research*

2017 | journal-article

DOI: 10.1002/er.3800

EID: 2-s2.0-85021749345

**Source:**Mohsen shakeriviaScopus - Elsevier

**Amine based CO<sub>2</sub> absorption in membrane contactor using PVP-modified polysulfone flat sheet membrane: Experimental study and mass transfer resistance analysis**

*International Journal of Engineering, Transactions B: Applications*

2016 | journal-article

EID: 2-s2.0-85002796540

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Determination of the effective parameters on the fuel cell efficiency, based on sealing behavior of the system**

*International Journal of Hydrogen Energy*

2016 | journal-article

DOI: 10.1016/j.ijhydene.2016.06.258

EID: 2-s2.0-84992401801

**Source:**Mohsen shakeriviascopus - Elsevier

## **Investigation of the effects of magnetic field on near-dry electrical discharge machining performance**

*Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*

2016 | journal-article

DOI: 10.1177/0954405414558737

EID: 2-s2.0-84966738811

**Source:**Mohsen shakeriviascopus - Elsevier

## **Neural Network and Genetic Algorithm Based Modeling and Optimization of Tensile Properties in FSW of AA 5052 to AISI 304 Dissimilar Joints**

*Transactions of the Indian Institute of Metals*

2016 | journal-article

DOI: 10.1007/s12666-015-0572-2

EID: 2-s2.0-84940186136

**Source:**Mohsen shakeriviascopus - Elsevier

## **Reliability Evaluation of an Open-Cathode PEMFC at Operating State and Longtime Vibration by Mechanical Loads**

*Fuel Cells*

2016 | journal-article

DOI: 10.1002/fuce.201500144

EID: 2-s2.0-84958739907

**Source:**Mohsen shakeriviascopus - Elsevier

## **Vibration Modeling of PEM Fuel Cell for Prediction of Cell Number Effects by Experimental Data**

*Fuel Cells*

2016 | journal-article

DOI: 10.1002/fuce.201500206

EID: 2-s2.0-84979464683

**Source:**Mohsen shakeri via Scopus - Elsevier

## **Effect of anode and cathode flow field geometry on passive direct methanol fuel cell performance**

*Electrochimica Acta*

2015-03 | journal-article

DOI: 10.1016/j.electacta.2015.01.181

**Source:**Crossref

## **Numerical investigation of a novel compound flow-field for PEMFC performance improvement**

*International Journal of Hydrogen Energy*

2015 | journal-article

DOI: 10.1016/j.ijhydene.2015.08.077

EID: 2-s2.0-84944384651

**Source:**Mohsen shakeri via Scopus - Elsevier

## **Performance evaluation and mass transfer study of CO<sub>2</sub> absorption in flat sheet membrane contactor using novel porous polysulfone membrane**

*Korean Journal of Chemical Engineering*

2015 | journal-article

DOI: 10.1007/s11814-015-0027-9

EID: 2-s2.0-84946496685

**Source:**Mohsen shakeri via Scopus - Elsevier

**Analysis of the influence of machining fixture layout on the workpiece's dimensional accuracy using genetic algorithm**

*Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*

2014 | journal-article

DOI: 10.1177/0954405413519605

EID: 2-s2.0-84937779986

**Source:**Mohsen shakeriviaScopus - Elsevier

**Microstructural and mechanical properties of friction stir welded 5050 Al alloy and 304 stainless steel plates**

*International Journal of Advanced Manufacturing Technology*

2014 | journal-article

DOI: 10.1007/s00170-014-6306-5

EID: 2-s2.0-84921971537

**Source:**Mohsen shakeriviaScopus - Elsevier

**A kW-scale integrated system for on-demand hydrogen generation using NaBH<sub>4</sub> solution and a low-cost catalyst**

*Advanced Materials Research*

2013 | book

DOI: 10.4028/www.scientific.net/AMR.664.795

EID: 2-s2.0-84874909862

**Source:**Mohsen shakeriviaScopus - Elsevier

**Automated process planning system: A new method for setup planning and a mathematical model for fixture design**

*Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*

2013 | journal-article

DOI: 10.1177/0954405413492731

EID: 2-s2.0-84890544203

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Effect of channel depth and cell temperature on the performance of a direct methanol fuel cell**

*Journal of Fuel Cell Science and Technology*

2013 | journal-article

DOI: 10.1115/1.4024151

EID: 2-s2.0-84880229850

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Effect of non-uniform parallel channel on performance of passive direct methanol fuel cell**

*International Journal of Hydrogen Energy*

2013 | journal-article

DOI: 10.1016/j.ijhydene.2013.01.020

EID: 2-s2.0-84874649316

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Modeling of direct methanol fuel cell using the artificial neural network**

*Journal of Fuel Cell Science and Technology*

2013 | journal-article

DOI: 10.1115/1.4024859

EID: 2-s2.0-84880230303

**Source:**Mohsen shakeriviaScopus - Elsevier

### **The effect of cell orientations and environmental conditions on the performance of a passive DMFC single cell**

*Ionics*

2013 | journal-article

DOI: 10.1007/s11581-013-0889-y

EID: 2-s2.0-84885607759

**Source:**Mohsen shakeriviaScopus - Elsevier

**The effect of geometric parameters of conical cups on the preform shape in two-stage superplastic forming process**

*Journal of Materials Engineering and Performance*

2013 | journal-article

DOI: 10.1007/s11665-013-0636-6

EID: 2-s2.0-84891000236

**Source:**Mohsen shakeriviaScopus - Elsevier

**The effect of operating parameters on the performance of a passive DMFC single cell**

*World Applied Sciences Journal*

2013 | journal-article

DOI: 10.5829/idosi.wasj.2013.22.04.494

EID: 2-s2.0-84876926392

**Source:**Mohsen shakeriviaScopus - Elsevier

**A novel microbial fuel cell stack for continuous production of clean energy**

*International Journal of Hydrogen Energy*

2012 | journal-article

DOI: 10.1016/j.ijhydene.2011.12.154

EID: 2-s2.0-84858226985

**Source:**Mohsen shakeriviaScopus - Elsevier

**Automated setup planning in CAPP: A modified particle swarm optimisation-based approach**

*International Journal of Production Research*

2012 | journal-article

DOI: 10.1080/00207543.2011.592157

EID: 2-s2.0-84864843623

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Automatic machining setup generation for prismatic components**

*Advanced Materials Research*

2012 | book

DOI: 10.4028/www.scientific.net/AMR.445.953

EID: 2-s2.0-84856956941

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Design criteria of a DMFC stack with low scaling effects**

*Applied Mechanics and Materials*

2012 | book

DOI: 10.4028/www.scientific.net/AMM.152-154.424

EID: 2-s2.0-84857165406

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Effect of tool material and offset on friction stir welding of Al alloy to carbon steel**

*Advanced Materials Research*

2012 | book

DOI: 10.4028/www.scientific.net/AMR.445.747

EID: 2-s2.0-84856950336

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Effect of tool rotation speed and feed rate on friction stir welding of 1100 aluminum alloy to carbon steel**

*Advanced Materials Research*

2012 | book

DOI: 10.4028/www.scientific.net/AMR.445.741

EID: 2-s2.0-84856971026

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Error analysis in multistage machining process using kinematic analysis of workpiece fixturing**

*Applied Mechanics and Materials*

2012 | book

DOI: 10.4028/www.scientific.net/AMM.152-154.430

EID: 2-s2.0-84857172749

**Source:**Mohsen shakeriviaScopus - Elsevier



## **Experimental investigation of a passive direct methanol fuel cell with 100 cm<sup>2</sup> active areas**

*Electrochimica Acta*

2012 | journal-article

DOI: 10.1016/j.electacta.2012.08.045

EID: 2-s2.0-84868323286

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Joining of 1100 Al alloy to AISI 1045 carbon steel by Friction Stir Welding**

*Applied Mechanics and Materials*

2012 | book

DOI: 10.4028/www.scientific.net/AMM.152-154.418

EID: 2-s2.0-84857149635

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Study on the effect of friction coefficient on the optimized preform die shape in a multistage superplastic forming**

*Steel Research International*

2012 | journal-article

EID: 2-s2.0-84890988733

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Underwater FSW process on the joining of 5050 aluminum alloy**

*Steel Research International*

2012 | journal-article

EID: 2-s2.0-84898426752

**Source:**Mohsen shakeriviaScopus - Elsevier

**Integration of reverse engineering and rapid technologies for rapid investment casting of gas turbine blades: A comparison between applicable rapid technologies for blade rapid investment casting was conducted and reported in this paper**

*Virtual and Physical Prototyping*

2011 | journal-article

DOI: 10.1080/17452759.2011.631173

EID: 2-s2.0-83755185895

**Source:**Mohsen shakeriviaScopus - Elsevier

**Investigation of key parameters influence on performance of direct ethanol fuel cell (DEFC)**

*Journal of Industrial and Engineering Chemistry*

2011 | journal-article

DOI: 10.1016/j.jiec.2011.05.037

EID: 2-s2.0-80055114633

**Source:**Mohsen shakeriviaScopus - Elsevier

**Measurement of polarization curve and development of a unique semiempirical model for description of pemfc and dmfc performances | Određivanje polarizacione krive i razvoj jedinstvenog semi-empirijskog modela koji opisuje performanse gorivnih ćrelija sa membranom od polimernog elektrolita i sa direktnom konverzijom metanola**

*Chemical Industry and Chemical Engineering Quarterly*

2011 | journal-article

DOI: 10.2298/CICEQ100923005S

EID: 2-s2.0-79959945943

**Source:**Mohsen shakeriviaScopus - Elsevier

**Methylene blue as electron promoters in microbial fuel cell**

*International Journal of Hydrogen Energy*

2011 | journal-article

DOI: 10.1016/j.ijhydene.2011.07.059

EID: 2-s2.0-80052956402

**Source:**Mohsen shakeriviaScopus - Elsevier

### **PEM fuel cell modeling and pressure investigation**

*Energy Sources, Part A: Recovery, Utilization and Environmental Effects*

2011 | journal-article

DOI: 10.1080/15567030903530566

EID: 2-s2.0-84857004291

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Performance evaluation of a centrifugal peeling system for pistachio nuts**

*International Journal of Food Engineering*

2011 | journal-article

DOI: 10.2202/1556-3758.2135

EID: 2-s2.0-79959991339

**Source:**Mohsen shakeriviaScopus - Elsevier

### **A new BLDC motor for propulsion application**

*International Review of Electrical Engineering*

2010 | journal-article

EID: 2-s2.0-79956225938

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Application of genetic algorithm in integrated setup planning and operation sequencing**

*AIP Conference Proceedings*

2010 | conference-paper

DOI: 10.1063/1.3552384

EID: 2-s2.0-79952553313

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Application of particle swarm optimization in computer aided setup planning**

*AIP Conference Proceedings*

2010 | conference-paper

DOI: 10.1063/1.3552385

EID: 2-s2.0-79952550937

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Computer- Aided of bending progressive die design using fuzzy set theory**

*Advances in Intelligent and Soft Computing*

2010 | book

EID: 2-s2.0-84903824307

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Effects of operating parameters on performance of a single direct methanol fuel cell**

*Thermal Science*

2010 | journal-article

DOI: 10.2298/TSCI1002469A

EID: 2-s2.0-77955870211

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Experimental and numerical investigation on passive and active $\mu$ MFC**

*International Journal of Hydrogen Energy*

2010 | journal-article

DOI: 10.1016/j.ijhydene.2009.09.066

EID: 2-s2.0-77956390229

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Iron pole shape optimization of ipm motors using an integrated method**

*Advances in Electrical and Computer Engineering*

2010 | journal-article

DOI: 10.4316/aece.2010.01012

EID: 2-s2.0-77954672566

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Measuring out of flatness of a rough quartz surface and correction by mist-abrasion machining**

*Advanced Materials Research*

2010 | book

DOI: 10.4028/www.scientific.net/AMR.83-86.1016

EID: 2-s2.0-75849123552

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Pole shape optimization of permanent magnet synchronous motors using the reduced basis technique**

*Iranian Journal of Electrical and Electronic Engineering*

2010 | journal-article

EID: 2-s2.0-78650361030

**Source:**Mohsen shakeriviaScopus - Elsevier

### **A full scale microcontroller based direct methanol fuel cell test station**

*Journal of Fuel Cell Science and Technology*

2009 | journal-article

DOI: 10.1115/1.2971051

EID: 2-s2.0-77955292083

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Application of genetic algorithm to both sides pressure optimization of PEMFC**

*INMIC 2009 - 2009 IEEE 13th International Multitopic Conference*

2009 | conference-paper

DOI: 10.1109/INMIC.2009.5383158

EID: 2-s2.0-77950391650

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Maximum power point tracking for fuel cell in fuel cell/battery hybrid power systems**

*European Journal of Scientific Research*

2009 | journal-article

EID: 2-s2.0-65449173992

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Rotor pole shape optimization of permanent magnet brushless DC motors using the reduced basis technique**

*Advances in Electrical and Computer Engineering*

2009 | journal-article

DOI: 10.4316/aece.2009.02012

EID: 2-s2.0-70349170530

**Source:**Mohsen shakeriviaScopus - Elsevier

### **Shape optimization of permanent magnet motors using the reduced basis technique**

*World Academy of Science, Engineering and Technology*

2009 | journal-article

EID: 2-s2.0-78651572560

**Source:**Mohsen shakeriviascopus - Elsevier

### **Maximum Power Point Tracking for Fuel Cell in Fuel Cell/Battery Hybrid Systems**

*IEEE INMIC 2008: 12th IEEE International Multitopic Conference - Conference Proceedings*

2008 | conference-paper

DOI: 10.1109/INMIC.2008.4777703

EID: 2-s2.0-67649647770

**Source:**Mohsen shakeriviascopus - Elsevier

### **Mist-abrasion machining of brittle material and its application in corrective figuring of optical parts**

*Journal of Manufacturing Science and Engineering, Transactions of the ASME*

2008 | journal-article

DOI: 10.1115/1.2927452

EID: 2-s2.0-59049107156

**Source:**Mohsen shakeriviascopus - Elsevier

### **Rotor shape optimization of STPM motors using RBT coupled by FEA and DOE**

*European Journal of Scientific Research*

2008 | journal-article

EID: 2-s2.0-54149115269

**Source:**Mohsen shakeriviascopus - Elsevier

### **Feed forward adaptive control of a linear brushless DC motor**

*Proceedings of the SICE Annual Conference*

2007 | conference-paper

DOI: 10.1109/SICE.2007.4421353

EID: 2-s2.0-50249149033

**Source:**Mohsen shakeriviascopus - Elsevier

## **Experimental and numerical study of optimum die profile in backward rod extrusion**

*Journal of Materials Processing Technology*

2006 | journal-article

DOI: 10.1016/j.jmatprotec.2006.03.194

EID: 2-s2.0-33745818557

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Manufacturability of turbine blade die from composite material using rapid tooling techniques**

*Proceedings of the 2005 SEM Annual Conference and Exposition on Experimental and Applied Mechanics*

2005 | conference-paper

EID: 2-s2.0-32044450520

**Source:**Mohsen shakeriviaScopus - Elsevier

## **Implementation of an automated operation planning and optimum operation sequencing and tool selection algorithms**

*Computers in Industry*

2004 | journal-article

DOI: 10.1016/j.compind.2003.12.002

EID: 2-s2.0-2642565171

**Source:**Mohsen shakeriviaScopus - Elsevier

## **CAD/CAM integration for machining center work of preform raw materials like welding, casting or forging supporting fully-external setup**

*International Journal of the Japan Society for Precision Engineering*

1999 | journal-article

EID: 2-s2.0-2642586099

**Source:**Mohsen shakeriviaScopus - Elsevier

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