

Articles2011

Auteurs						Titre	Journal	IF	Réf (DOI, Numéro)	Paru en ligne
N°	Prénoms initiales	De la tribune invitée	Président invité	Quatrième invité	Cinquième invité					
1	Fehmi Gamaoun	Montassabellah Ltaief	Tarak Bouraoui	Tarak Ben Zineb	---	"Effect of hydrogen on the tensile strength of aged Ni-Ti superelastic alloy"	Journal of Intelligent Material Systems and Structures			2011
2	F. Gamaoun	I. Skhiri	T. Bouraoui	---	---	"Effect of the Residual Deformation on the Mechanical Behavior of the Ni-Ti Alloy Charged by Hydrogen".	Advanced Materials Research			2011
3	M. A. Yousfi	K. Hajlaoui	Z. Tourki	A. R. Yavari	---	"Constitutive Rheological Modeling of Flow Strain Behaviour in Metallic Glasses Showing Nanocrystallization during Deformation"	Hindawi Publishing Corporation Journal of Nanomaterials		doi:10.1155/2011/910962	2011
4	H. Ben Hadj Salah	H. Ben Daly	F. Perrin	J. Denault	---	"Non-isothermal crystallization behavior of clay-reinforced polypropylene nanocomposites"	Science and Engineering of Composite Materials		Vol. 18, September 2011, pp 173-179	2011
5	Smi Chatti	Narjess Chitoui	---	---	---	"Sheet metal forming simulation using finite elastoplasticity with mixed isotropic/kinematic hardening"	European Journal of Computational Mechanics		Volume 26-No.7-3/2011, pages 427 to 453	2011
6	S. Beaurour	M. Harshe	L. Romdhane	J-P. Merlet	---	"A new experimental setup based on a parallel cable robot for Analysis and Control of Human Motion"	Journal of Computer Methods in Biomechanics and Biomedical Engineering	1.770	Vol. 14, No. S1, August 2011, 83-85	2011
7	F. Mhenni	P. Serré	A. Mlika	L. Romdhane	A. Rivière	"Variations and Clearance Computation in Overconstrained Mechanisms"	Asian International Journal of Science and Technology in production and Manufacturing Engineering		4(3), 55-65	2011
8	M Nejaoui	Z Affi	A.Houidi	L.Romdhane	---	"Mult objective robust design optimization of rail vehicle"	Proceeding of IFToMM		México. ISBN 978-607-441-131-7	2011
9	M. Frija	R. Fatmallah	L. Ben Fkih	---	---	"Modeling of the superficial Laser Shock Peening treatment Process: Application on a Titanium aircraft turbine engine blade"	Applied Mechanics and Material		Vol. 62 (2011) pp 85-94	2011

Articles2012

Auteurs						Titre	Journal	IP	Ref (DOI, Numéro)	Parution ligne
N°	Prénom auteur	Nom de famille	Prénom auteur	Quatrième auteur	Cinquième auteur					
1	A. Charfi	F. Gamaoun	T. Bouraoui	C. Bradai	B. Normand	"Shape Memory Effect Improvement and Study of the Corrosion Resistance of the Fe-8Mn-6Si-13Cr-6Ni-12Co Alloy"	Advanced Materials Research		476 (2012) 2162-2170	2012
2	M. Frija	R. Ben Sghaier	Ch. Bouraoui	R. Fathallah	—	"OPTIMIZING RESIDUAL STRESS PROFILE INDUCED BY LASER SHOCK PEENING USING DOB TECHNIQUE"	Applied Mechanics and Materials		doi:10.4028/www.scientific.net/AMM.146.83	2012
3	A. Chaker	A. Mlika	M.A. Latibi	Rondhane Lotfi	S.Zeghoul	Synthesis of a Spherical Parallel Manipulator for a Dexterous Medical Task	Front. Mech. Eng.		Volume 7, Issue 2, pp 150-162 (2012)	2012
4	S. Bennour	N. Zarouk	M. Dogui	L. Romdhane	J-P. Merlet	"Biomechanical model of the ankle to estimate the forces in the tendons during an isometric Dorsal/Plantar flexion"	Journal of Computer Methods in Biomechanics and Biomedical Engineering	1.770	Vol. 15, No. S1, September 2012, 167-170	2012
5	M. Nejlaoui	Z.Affi	A. Houidi	L. Romdhane	—	"A critical speed optimization of rail vehicle system based on safety criterion"	Condition Monitoring of Machinery in Non-Stationary Operations		ISBN 978-3642287671	March 20, 2012.
6	Souad Mbarek	Mohamed Jaziri	Christian Carrot	Yvan Chalamet	—	"Thermomechanical properties of a polymer blend: Investigation of a third phase".	Mechanics of Materials		52 (2012) 78-86	2012
7	H. Ben Hadj Salah	H. Ben Daly	J. Denault	F. Perrin	—	"UV-degradation of clay reinforced polypropylene nanocomposites"	Polymer Engineering et Science			2012
8	El-Kribi .B	Houidi, A	Affi, Z	Rondhane, L	—	Application of multi-objective genetic algorithms to the mechatronic design of a four bar system with continuous and discrete variables"	Mechanism and Machine Theory			2012

Articles2013

Auteurs						Titre	Journal	IP	Ref (DOI, Numéro)	Paru en ligne
N°	Premier auteur	Deuxième auteur	Troisième auteur	Quatrième auteur	Cinquième auteur					
1	M.A. Yousfi	K. Hajlaoui	Z. Tourki	A.R. Yavari	—	"Serrated Flow Model for Metallic Glasses under Compressive Loading"	Acta Metall. Sin. (Engl. Lett.)		Vol.26 No. 5 pp. 503–508	October 2013
2	A. Chaker	A. Mlika	M.A. Laribi	Romdhane Lotfi	S.Zeghoul	"Clearance and manufacturing errors effects on the accuracy of the 3-RCC Spherical Parallel Manipulator"	European Journal of Mechanics	1.414	Volume 37 Pages 86–95	January–February 2013
3	H. Ben Hadj Salah	H. Ben Daly	J. Denault	F. Perrin	—	"Morphological aspects of polypropylene/clay nanocomposites materials"	Polymer Engineering and Science		Volume 53, Issue 5, pages 905–913	May 2013
4	S. Bennour	N. Zarrouk	M. Dogui	L. Romdhane	J-P. Merlet	"Validation of optimization model that estimates the musculotendinous forces during an isometric extension of knee"	Journal of Computer Methods in Biomechanics and Biomedical Engineering	1.770.	Vol. 16, No. S1, 167–179	August 2013
5	M. Nejlaoui	A. Houidi	Z. Afifi	L. Romdhane	—	"Multi objective robust design optimization of rail vehicle moving in short radius curved tracks based on the safety and comfort criteria".	Simulation Modelling Practice and Theory		volume 30, pages 21–34	2013

Articles 2014

Auteurs						Titre	Journal	IF	Ref (DOI, Numéro)	Parus en ligne
N°	Premier auteur	Deuxième auteur	Troisième auteur	Quatrième auteur	Copulauteur					
1	Fehmi Gamaoui	Inen Skhiri	Tarak Bouraoui	Tarak Ben Zineb	---	"Hydrogen effect on the austenite-martensite transformation of the cycled Ni-Ti alloy".	Journal of Intelligent Material Systems and Structures		Vol. 25(8) (2014) 980-988	2014
2	Fehmi Gamaoui	Tarak Hassine	Tarak Bouraoui	---	---	"Strain rate response of a Ni-Ti shape memory alloy after hydrogen charging"	Philosophical Magazine Letters		94(1), 30-36	2014
3	Fehmi Gamaoui	Tarak Hassine	---	---	---	"Ageing Effect and Rate Dependency of a NiTi Shape Memory Alloy after Hydrogen Charging"	Journal of Alloys and Compounds		615(1), 680-683	2014
4	F.Zemzemi	J.Rech	W.Ben Sale	A.Dogui	Ph.Kapsa	"Identification of friction and heat partition model at the tool-chip-work piece interfaces in dry cutting of an inconel 718 alloy with CBN and coated carbide tools"	Advance in manufacturing science and technology		Vol.38,No.1,2014 DOI: 10.2478/amst-2014-0001	2014
5	A. Chaker	A. Mlika	M.A. Laribi	Romdhane Lotfi	S.Zeghouel	"Accuracy pose evaluation of non-overconstrained Spherical Parallel Manipulators"	European Journal of Mechanics		A/Solids 47 (2014) 362-372	2014
6	M. Ghiss	B. Giannesini	P. Tropiano	Z. Tourki	O. Boiron	"NMR imaging investigation of the incompressible poroelastic behavior of porcine intervertebral disc under external mechanical stress"	Matériaux Tech.		vol. 101, no. 7, pp. 1-9	Feb. 2014
7	Y. Chouaibi	A. H. Chebbi	Z. Affi	L. Romdhane	---	"Analytical modeling and analysis of the clearance induced orientation error of the RAF translational parallel manipulator".	Robotica, available on CJO2014		doi:10.1017/S0263574714002653	2014

Articles2015

N°	Auteurs						Titre	Journal	IE	Réf (DOI, Numéro)	Paru en ligne
	Premier auteur	Deuxième auteur	Troisième auteur	Quatrième auteur	Cinquième auteur	Sixième auteur					
1	F.Zenzeni	A.Mkadem	S.Mzali	S.Mezzini	---	---	"A3D multi-scratch test model for characterizing material removal regimes in 5083-Al alloy"	Materials and Design		87 (2015) 352-362	2015
2	S. Boukettaya	W.Al Siddique	A. Alawar	H. Ben Daly	A. Hammami	---	"Cooling rate effects on the crystallization kinetics of Polypropylene/Date Palm Fiber"	Composite materials, Science and Engineering of Composite Materials		DOI: 10.1515/secm-2014-0324	April 2015
3	S. Boukettayn	F. Almaskari	A. Abdala	A. Alawar	H. Ben Daly	A. Hammami	"Water absorption and Stress relaxation behavior of PP/Date Palm Fiber composite materials".	Design and Modeling of Mechanical Systems		DOI: 10.1007/978-3-319-17527-0_44	2015
4	Souad Mbarek	Patrick Baronic	Laurence Noirez	---	---	---	"Highlighting delayed elastic processes at zero stress in a polymer glass"	Delayed elastic processes in a polymer glass		64: 1303-1308	15 June 2015
5	M. Ghiss	B. Giannesini	P. Tropicano	Z. Tourki	O. Boiron	---	"Quantitative MRI water content mapping of porcine intervertebral disc during uniaxial compression"	Comput. Methods Biomech. Biomed. Engin.		pp. 1-20	2015
6	Iben Houria, M	Nadot, Y	Fathallah, R	Roy, M	Majjer, D. M.	---	"Influence of casting defect and SDAS on the multiaxial fatigue behaviour of A356-T6 alloy including mean stress effect"	International Journal of Fatigue			May 2015

Articles2016

Auteurs						Titre	Journal	IF	Ref (DOI Number)	Paru en ligne
N°	Prénoms et nom	Prénoms et nom	Prénoms et nom	Prénoms et nom	Prénoms et nom					
1	Houssein Lamine	Sami Bennour	Lotfi Romdhane	---	---	"Design of cable-driven parallel manipulators for a specific workspace using interval analysis"	Advanced robotics, 2016		10.1080/01691864.2016.1142897	2016
2	Mortadha Graa	Mohamed Najlaoui	Ajmi Houidi	Zouhaier Afi	Lotfi Romdhane	"Development of a reduced dynamic model for comfort evaluation of rail vehicle systems"	Journal of Multi-Body Dynamics		10.1177/1464419315627914	2016
3	Mortadha Graa	Mohamed Najlaoui	Ajmi Houidi	Zouhaier Afi	Lotfi Romdhane	"Mechatronic Rail Vehicle Design Based on the Passenger Comfort"	Journal of Engineering Science and Technology Review			2016
4	Mortadha Graa	Mohamed Najlaoui	Ajmi Houidi	Zouhaier Afi	Lotfi Romdhane	"Mechatronic suspension design for full rail vehicle system"	Journal of Multi-Body Dynamics		10.1177/1464419316679298	2016
5	Mohamed Amine Ben Abdallah	Ined Khemili	Nizar Aifaoui	---	---	"Dynamic Synthesis of a Flexible Multibody System"	International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering			2016
6	Mohamed Amine Ben Abdallah	Ined Khemili	Nizar Aifaoui	---	---	"Numerical investigation of a flexible slider-crank mechanism with multijoints with clearance"	Multibody syst Dyn (2016)		10.1007/s11011-016-9526-7	2016
7	Amani Lachiguer	Oéline Bouby	Fehmi Gamaoun	Tarak Bouraoui	Tarak Ben Zineb	"Modeling of hydrogen effect on the superelastic behavior of Ni-Ti shape memory alloy wires"	IOP Publishing Smart Materials and Structures		10.1088/0964-1726/25/11/115047	2016
8	Wissem Elkhal Letaief	Tarek Hassine	Fehmi Gamaoun	---	---	"Rate Dependency During Relaxation of Superelastic Orthodontic NiTi Alloys After Hydrogen Charging"	Shap. Mem. Superelasticity		10.1007/s40830-016-0051-6	29 January 2016
9	W. Eldhal Letaief	T. Hassine	F. Gamaoun	---	---	"Effect of Hydrogen on the Stress Relaxation of Aged NiTi Shape Memory Alloys"	Acta Physica Polonica			2016
10	W. Dandana	M.A. Yousfi	K. Hajjaoui	F. Gamaoun	A.R. Yavari	"Thermal stability and hydrogen-induced softening in Zr57Al10Cu15.4Ni12.6Nb5 metallic glass"	Journal of Non-Crystalline Solids			2016
11	Mhallah Mohamed Makki	Bourouai Chokri	---	---	---	"Experimental, analytical and finite element study of stress concentration factors for composite materials"	Journal of Composite Materials		10.1177/0021998316659915	2016
12	H. Lamine	S. Bennour	L. Romdhane	---	---	"Dynamic Simulation of a Cable-Based Gait Training Machine"	Mechanisms and Machine Science 37		10.1007/978-3-319-22368-1_20	2016

Articles Juillet 2016-2017

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N°	Preneur auteur	Deuxième auteur	Troisième auteur	Quatrième auteur	Cinquième auteur					
1	Wissem Elkhail Letaief	Tarek Hassine	Fehmi Ganaoui	-----	-----	"In situ stress relaxation mechanism of superelastic NiTi shape memory alloy under hydrogen charging"	Philosophical magazine letters	0,968	10.1080/09500839.2016.1273536	09-janv-17
2	Wissem Elkhail Letaief	Tarek Hassine	Fehmi Ganaoui	-----	-----	"Tensile behaviour of superelastic NiTi alloys charged with hydrogen under applied strain"	Materials Science and Technology	1.5	10.1080/02670836.2017.1320084	26 Av 2017
3	W Elkhail Letaief	T Hassine	F Ganaoui	-----	-----	"A coupled model between hydrogen diffusion and mechanical behavior of super elastic NiTi alloys"	Smart Materials and structures	3	10.1088/1361-665X/aa721b	09-juin-17
4	W. Dawkani	M.A. Youfi	K. Hajlaoui	F. Ganaoui	A.R. Tavari	"Thermal stability and hydrogen-induced softening in Zr57Al10Cu15.4Ni12.6Nb5 metallic glass"	Journal of Non-Crystalline Solids	2.124	456 (2017) 138-142	15-janv-17
5	Houssein Lantini	Med Amine Laribi	Sami Benmour	Lothi Romdhane	Said Zeghtoui	"Design study of a cable-based Gait Training Machine"	Journal of Bionic Engineering	2.388	14(2017)232-244	07-avr-17
6	A.Bahloul	A. Ben Ahmed	M.M. Mhalla	C.H. Bouraoui	-----	"Probabilistic approach for predicting fatigue life improvement of cracked structure repaired by high interference fit bushing"	Int J Adv Manuf Technol	2.209	10.1007/s00170-016-9957-62017	30-déc-16
7	A.Bahloul	C.H. Bouraoui	T. Boukharouba	-----	-----	"Prediction of fatigue life by crack growth analysis"	Manufacturing Technology	2.209	DOI 10.1007/s00170-017-0069-8	3 Février 2017
8	M.M. Mhalla	A. Bahloul	Ch. Bouraoui	-----	-----	"Analytical models for predicting tensile strength and acoustic emission count of a glass fiber reinforced polyimide using response surface method"	Journal of Alloys and Compounds	3.133	695, 25 Feb 2017, Pages 2356-2364	26-fév-17
9	A. Nasr, Y. Nador	Ch. Bouraoui	R. Fathallah	-----	-----	"Fatigue life assessment for material containing defects under multiaxial loading"	Metallurgical Research & Technology EDP Sciences	0.414	Number 1, 2017	26-oct-16
10	Mhalla Mohamed Makki	Bourroui Chokri	-----	-----	-----	"Experimental, analytical, and finite element study of stress concentration factors for composite materials"	Journal of Composite Materials	1.494	Vol 51, Issue 11, 2017	21-juil-16
11	Aymen Khadr	Aymen Houidi	Lothi Romdhane	-----	-----	"Dynamic modelling and handling study of a two wheeled vehicle on a curved track"	Mechanics and Industry	0.599	-----	17-janv-17
12	Mhalla Mohamed Makki	Palouci Ahmed	Ch. Bourroui	-----	-----	"Reliability prediction of tensile strength with acoustic emission count of a glass fiber reinforced polyimide using response surface method"	Mechanics and Industry	599	-----	-----
13	A. Nasr	W. Hassine	Ch. Bourroui	-----	-----	"Fatigue limit assessment for defective materials based on affected depth"	Adapt. Res. Technol.	0.414	DOI: 0.1051/metal/2017045	01-juin-17
14	Mariem Dahli	Aief Boufla	Zoubeir Tourki	-----	-----	"Effect of generatrix profile on single-point incremental forming parameters"	Int J Adv Manuf Technol	2.209	DOI 10.1007/s00170-017-0598-1	04-juil-17
15	Mohamed Abdelkasset Youfi	Chaima Amkari	Khalil Hajlaoui	Nikolaos T. Panagiotopoulos	Zoubeir Tourki	"On a new electromechanical switch using the reversible wavy elastic response of metallic glass ribbons"	Comptes Rendus Mécanique	-----	CRMÉCANIQUE-D-17-00092R1	16 Aout 2017
16	M.A. Youfi	N.T. Panagiotopoulos	A.M. Jorge Junior	K. Georgarakis	A.R. Tavari	"Novel micro-flat springs using the superior elastic properties of metallic glass foils"	Scripta Materialia	-----	DOI: 10.1016/j.scriptamat.2017.01.012	Avril 2017