

référence	identification	cosignature avec une unité de recherche française ou un laboratoire d'une entreprise française	cosignature avec une unité de recherche étrangère ou un laboratoire d'une entreprise étrangère	facteur d'impact à 5 ans (suivant le référentiel <i>Journal Citation Reports, ISI Web of Knowledge</i> (Thomson-Reuters))
2013				
ACL96-13	AZAOUZI M., <u>LEBAAL N.</u> , MAKRADI A., BELOUETTAR S., Optimization based simulation of self-expanding Nitinol stent, <i>Materials & design</i> , 50, (2013), 917-928		Publ Res Ctr Henri Tudor, Adv Mat & Struct Dept, L-4002 Esch Sur Alzette, Luxembourg	2,805
ACL95-13	BELAZIZIA A., BENISSAAD S., <u>ABBOUDI S.</u> , Numerical Study of Double Diffusion Natural Convection of a Binary Fluid in a Square Enclosure with a Partially Active Vertical Wall, <i>Arabian journal for science and engineering</i> , 38(12), (2013), 3459-3470		Univ Mentouri Constantine, Dept Genie Mecan, Lab Energet Appl & Pollut, Constantine, Algeria	0,377

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 2 / 20
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ACL94-13	BENZENINE H., SAIM R., <u>ABBOUDI S.</u> , IMINE. O., Numerical analysis of a turbulent flow in a channel provided with transversal waved baffles, THERMAL SCIENCE, 17(3), (2013), 801-812		Univ Sci & Technol, Dept Mech Engr, Fac Mech Engr, El Mnaouar Oran, Algeria Univ Abou Bakr Belkaid, Lab Energet & Appl Thermal, Fac Technol, Tilimsen, Algeria Univ Sci & Technol, Lab Aeronaut & Propuls Syst, Fac Mech Engr, Mnaouar Oran, Algeria	0,872
ACL93-13	BENZENINE H., SAIM R., <u>ABBOUDI S.</u> , IMINE O., Numerical study on turbulent flow forced-convection heat transfer for air in a channel with waved fins, MECHANIKA, 2, (2013), 150-158		Univ Sci & Technol USTO, Fac Mech Engr, Dept Mech Engr, El Mnaouar Oran, Algeria Univ Abou Bakr Belkaid, Fac Technol, Lab Energet & Appl Thermal ETAP, Tilimsen 13000, Algeria Univ Sci & Technol USTO, Fac Mech Engr, Lab Aeronaut & Propuls Syst, El Mnaouar Oran, Algeria	
ACL92-13	BONJOUR E., <u>DENIAUD S.</u> , MICAELLI JP., A method for jointly drawing up the functional and design architectures of complex systems during the preliminary system-definition phase, JOURNAL OF ENGINEERING DESIGN, 24(4), (2013), 305-319	Univ Lorraine, ENSGSI, ERPI, EA 3767, F-54010 Nancy, France Univ Lyon, INSA Lyon, ITUS Res Team, UMR CNRS EVS 5600, F-69621 Villeurbanne, France		1,185
ACL91-13	<u>CHAMORET D.</u> , <u>ROTH S.</u> , FENG ZQ., YAN XT., <u>GOMES S.</u> , <u>PEYRAUT F.</u> , A novel approach to modelling and simulating the contact behaviour between a human hand model and a deformable object, COMPUTER METHODS IN BIOMECHANICS AND BIOMEDICAL ENGINEERING, 16(2), (2013), 130-140	Univ Evry, Lab LMEE, F-91020 Evry, France	SW Jiaotong Univ, Sch Mech & Engr, Chengdu, Peoples R China Univ Strathclyde, Dept Design Mfg & Engr Management, Glasgow, Lanark, Scotland	1,635
ACL90-13	DADDA B., <u>ABBOUDI S.</u> , GHEZAL A., Transient two-dimensional model of heat and mass transfer in a PEM fuel cell membrane, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 38(17), (2013), 7092-7101		CDER, URAER, Ghardaia 47133, Algeria Fac Phys, Dept EMF, Algiers, Algeria	4,086

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 3 / 20
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ACL89-13	DEMIAN C., LIAO HL., <u>LACHAT R.</u> , COSTIL S., Investigation of surface properties and mechanical and tribological behaviors of polyimide based composite coatings, SURFACE & COATINGS TECHNOLOGY, 235, (2013), 603-610	Univ Technol Belfort Montbeliard, Lab IRTES LERMPS, F-90010 Belfort, France		2,102
ACL88-13	<u>DEMOLY F.</u> , <u>DUTARTRE O.</u> , YAN XT., EYNARD B., KIRITSIS D., <u>GOMES S.</u> , Product relationships management enabler for concurrent engineering and product lifecycle management, COMPUTERS IN INDUSTRY, 64(7), (2013), 833-848	UTC, Dept Mech Syst Engr, UMR CNRS Roberval 7337, F-60203 Compiègne, France	Univ Strathclyde, Dept Design Manufacture & Engr Management, Glasgow G1 1XJ, Lanark, Scotland Ecole Polytech Fed Lausanne, Swiss Fed Inst Technol Lausanne, Lab Comp Aided Design & Prod STI IGR LICP, CH-1015 Lausanne, Switzerland	2,062
ACL87-13	<u>FOUGERES AJ.</u> , <u>OSTROSI E.</u> , Fuzzy agent-based approach for consensual design synthesis in product configuration, INTEGRATED COMPUTER-AIDED ENGINEERING, 20(3), (2013), 259-274	ESTA, Sch Business & Engr, Belfort, France		2,389
ACL86-13	<u>PACLISAN D.</u> , <u>CHARON W.</u> , Real time modelling of the dynamic mechanical behaviour of PEMFC thanks to neural networks, ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 26(2), (2013), 706-713	Fuel Cell Lab, FC Lab, F-90000 Belfort, France		1,947
ACL85-13	PLANAT M., SANIGA M., <u>HOLWECK F.</u> , Distinguished three-qubit 'magicity' via automorphisms of the split Cayley hexagon, QUANTUM INFORMATION PROCESSING, 12(7), (2013), 2535-2549	CNRS, Inst FEMTO ST, F-25044 Besancon, France	Slovak Acad Sci, Astron Inst, Tatranska Lomnica 05960, Slovakia	1,529
ACL84-13	<u>ROTH S.</u> , TORRES F., FEUERSTEIN P., THORAL-PIERRE K., Anthropometric dependence of the response of a Thorax FE model under high speed loading: Validation and real world accident replication, COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, 110(2), (2013), 160-170	CEDREM Ctr Expertise Dynam Rapide Explos & Multip, F-41210 Neung Sur Beuvron, France Hop Albert Schweitzer, Dept Imagerie Med, F-680003 Colmar, France		1,589

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 4 / 20
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ACL83-13	SAIM R., BOUCHENAF A., BENZENINE H., OZTOP HF., AL-SALEM K., <u>ABBOUDI S.</u> , A computational work on turbulent flow and heat transfer in a channel fitted with inclined baffles, HEAT AND MASS TRANSFER, 49(6), (2013), 761-774		Univ Abou Bekr Belkaid Tlemcen, Lab Energet & Therm Appl ETAP, Tilimsen 13000, Algeria Univ Abou Bekr Belkaid Tlemcen, Fac Technol, Dept Genie Mekan, Tilimsen 13000, Algeria Univ Sci & Technol USTO, Fac Genie Mekan, Dept Genie Mekan, El Mnaouar Oran, Algeria Firat Univ, Fac Technol, Dept Mech Engn, TR-23119 Elazig, Turkey King Saud Univ, Coll Engn, Dept Mech Engn, Riyadh, Saudi Arabia	1,082
ACL82-13	<u>TA AT.</u> , <u>LABED N.</u> , <u>HOLWECK F.</u> , <u>THIONNET A.</u> , <u>PEYRAUT E.</u> , A new invariant-based method for building biomechanical behavior laws - Application to an anisotropic hyperelastic material with two fiber families, INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, 50(14-15), (2013), 2251-2258	Univ Bourgogne, F-21078 Dijon, France Mines Paristech, CNRS UMR 7633, Ctr Mat, F-91003 Evry, France		2,099
FACTEUR D'IMPACT MOYEN EN 2013				1,839

2012

ACL81-12	AZAOUZI M., <u>LEBAAL N.</u> , "Tool path optimization for single point incremental sheet forming using response surface method, SIMULATION MODELLING PRACTICE AND THEORY, 24, (2012), 49-58		Ctr Rech Publ Henri Tudor, Adv Mat & Struct Dept, L-4002 Esch Sur Alzette, Luxembourg	1,188
ACL80-12	AZAOUZI M., <u>LEBAAL N.</u> , RAUCHS G., BELOUETTAR S., "Optimal design of multi-step stamping tools based on response surface method", SIMULATION MODELLING PRACTICE AND THEORY, 24, (2012), 1-14		Ctr Rech Publ Henri Tudor, Adv Mat & Struct Dept, L-4002 Esch Sur Alzette, Luxembourg	1,188
ACL79-12	BELLY C., <u>CHARON W.</u> , "Benefits of amplification in an inertial stepping motor", MECHATRONICS, 22(2), (2012), 177-183.	Cedrat Technol, F-38246 Meylan, France		1,599
ACL78-12	<u>DEMOLY F.</u> , MATSOKIS A., KIRITSIS D., "A mereotopological product relationship description approach for assembly oriented design" ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, 28(6), (2012), 681-693.		Ecole Polytech Fed Lausanne, Swiss Fed Inst Technol Lausanne, Lab Comp Aided Design & Prod STI IGR LICP, CH-1015 Lausanne, Switzerland	1,765
ACL77-12	<u>DEMOLY F.</u> , YAN XT., EYNARD B., <u>GOMES S.</u> , KIRITSIS D., "Integrated product relationships management: a model to enable concurrent product design and assembly sequence planning, "JOURNAL OF ENGINEERING DESIGN, 23(7), (2012), 544-561	UTC, Dept Mech & Syst Engr, F-60203 Compiègne, France	Univ Strathclyde, Dept Design Manufacture & Engr Management, Glasgow G1 1XJ, Lanark, Scotland Ecole Polytech Fed Lausanne, STI, IGM, LICP, CH-1015 Lausanne, Switzerland	1,185
ACL76-12	<u>EL BAROUDI A.</u> , RAZAFIMAHERY F., RAKOTOMANANA-RAVELONARIVO L., "Three-dimensional modal analysis of an idealized human head including fluid-structure interaction effects", ACTA MECHANICA, 223(9), (2012), 1899-1915	Univ Rennes 1, Equipe Mecan, IRMAR, F-35042 Rennes, France		1,207
ACL75-12	<u>HOLWECK F.</u> , LUQUE JG., THIBON JY., "Geometric descriptions of entangled states by auxiliary varieties", JOURNAL OF MATHEMATICAL PHYSICS, 53(10), (2012)	Univ Rouen, LITIS, St Etienne, France Univ Paris Est Marne la Vallee, Lab Informat Gaspard Monge, F-77454 Marne La Vallee 2, France		1,284

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 6 / 20
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ACL74-12	<u>LEBAAL N.</u> , PUISSANT S., SCHMIDT FM., SCHLAFLI D., An optimization method with experimental validation for the design of extrusion wire coating dies for a range of different materials and operating conditions, POLYMER ENGINEERING AND SCIENCE, 52(12), (2013), 2675-2687	Univ Toulouse, ICA Inst Clement ADER, Ecole Mines Albi, F-81013 Albi 9, France	Brugg Cables Ind AG, CH-5201 Brugg, Switzerland Maillefer Extrus SA, CH-1024 Ecublens, Switzerland	1,601
ACL73-12	<u>LEBAAL N.</u> , SCHLEGEL D., FOLEA M., "Optimisation of cutting conditions in machining of cobalt-based refractory material", INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, 44(1-2), (2012), 127-143	Ecole Super Technol & Affaires, F-90000 Belfort, France	Fac Technol Engn, Dept Mfg Engn, Brasov 2200, Romania	0,378
ACL72-12	<u>OSTROSI E.</u> , <u>BI ST.</u> , HAXHIAJ L., KLEIN D., "A grammar approach for combining product configuration modelling with behavioural aspects and simulations", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 60(1-4), (2012), 29-54	Strasbourg, Univ, Laboratoire SCOLIA, F-67081 Strasbourg, France Univ, Laboratoire dEtudes & Recherches les Matériaux, les Proc, Belfort Cedex, France		1,423
ACL71-12	<u>OSTROSI E.</u> , <u>FOUGERES AJ.</u> , <u>FERNEY M.</u> , "Fuzzy agents for product configuration in collaborative and distributed design process", APPLIED SOFT COMPUTING, 12(8), (2012), 2091-2105			2,526
ACL70-12	<u>OSTROSI E.</u> , <u>FOUGERES AJ.</u> , <u>FERNEY M.</u> , KLEIN D., « A fuzzy configuration multi-agent approach for product family modelling in conceptual design", JOURNAL OF INTELLIGENT MANUFACTURING, 23(6), 2012, 2565-2586	Univ Technol Belfort Montbeliard, LERMPS, F-90010 Belfort, France		2,162
ACL69-12	<u>OSTROSI E.</u> , HAXHIAJ L., FUKUDA S., "Fuzzy modelling of consensus during design conflict resolution", RESEARCH IN ENGINEERING DESIGN, 23(1), (2012), 53-70	Univ Strasbourg, Lab Sci Cognit Linguist & Intelligence Artificiel, F-67081 Strasbourg, France	Stanford Univ, Palo Alto, CA 94301 USA	1,823
ACL68-12	<u>SCHLEGEL D.</u> , <u>LEBAAL N.</u> , FOLEA M., "Cost optimization for the cutting a cobalt chrome refractory material", INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 60(1-4), (2012), 55-63		Fac Technol Engn, Dept Mfg Engn, Brasov, Romania	1,423

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 7 / 20
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ACL67-12	TORREGROSSA D., FAHIMI B., PEYRAUT F., MIRAOUI A., "Fast Computation of Electromagnetic Vibrations in Electrical Machines via Field Reconstruction Method and Knowledge of Mechanical Impulse Response", IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 59(2), (2012), 839-847	Univ Technol Belfort Montbeliard, Dept Genie Elect & Syst Commande, F-90010 Belfort, France	Univ Texas Dallas, Dept Elect Engn, Richardson, TX 75080 USA	5,078
ACL66-12	TORREGROSSA D., PAIRE D., PEYRAUT F., FAHIMI B., MIRAOUI A., "Active Mitigation of Electromagnetic Vibration Radiated by PMSM in Fractional-Horsepower Drives by Optimal Choice of the Carrier Frequency, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 59(3), (2012), 1346-1354	Univ Technol Belfort Montbeliard, Elect Engn Dept, F-90010 Belfort, France	Univ Texas Dallas, Dept Elect Engn, Richardson, TX 75080 USA	5,078
ACL65-12	XU YJ., ZHANG WH., CHAMORET D., DOMASZEWSKI M., "Minimizing thermal residual stresses in C/SiC functionally graded material coating of C/C composites by using particle swarm optimization algorithm", COMPUTATIONAL MATERIALS SCIENCE, 61, (2012), 99-105		Northwestern Polytech Univ, Key Lab Contemporary Design & Integrated Mfg Tech, Xian 710072, Shaanxi, Peoples R China	1,965
FACTEUR D'IMPACT MOYEN EN 2012				1,934

2011

ACL64-11	<u>DEMOLY F.</u> , <u>TOUSSAINT L.</u> , EYNARD B., KIRITSIS D., <u>GOMES S.</u> , "Geometric skeleton computation enabling concurrent product engineering and assembly sequence planning", COMPUTER-AIDED DESIGN, 43(12), (2011), 1654-1673	UTC, CNRS Roberval 6253, Dept Mech Syst Engr, F-60203 Compiègne, France	Swiss Fed Inst Technol Lausanne EPFL, Lab Comp Aided Design & Prod STI IGR LICP, CH-1015 Lausanne, Switzerland	1,732
ACL63-11	<u>DEMOLY F.</u> , TROUSSIER N., EYNARD B., FALGARONE H., FRICERO B., <u>GOMES S.</u> , "Proactive Assembly Oriented Design Approach Based on the Deployment of Functional Requirements", JOURNAL OF COMPUTING AND INFORMATION SCIENCE IN ENGINEERING, 11(1), (2011)	Univ Technol Compiègne, Roberval Lab, CNRS 6253, F-60203 Compiègne, France European Aeronaut Def & Space Co, EADS Innovat Works, F-92150 Suresnes, France	EPFL STI IGM LICP, Swiss Fed Inst Technol Lausanne EPFL, Comp Aided Design & Prod Lab LICP, CH-1015 Lausanne, Switzerland	0,690
ACL62-11	<u>DEMOLY F.</u> , YAN XT., EYNARD B., RIVEST L., <u>GOMES S.</u> , "An assembly oriented design framework for product structure engineering and assembly sequence planning", ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, 27(1), (2011), 33-46	UTC, Dept Mech Syst Engr, CNRS Roberval 6253, F-60203 Compiègne, France	Univ Strachclyde, Dept Design Mfg & Engr Management, Glasgow G1 1XJ, Lanark, Scotland Ecole Technol Super Montreal ETS, LIPPS, Montreal, PQ H3C 1K3, Canada	1,765
ACL61-11	FERKHA N., MEKIDECHE MR., TORREGROSSA D., DJERDIR A., MIRAOUI A., <u>PEYRAUT F.</u> , "Vibratory behavior reduction of electrical machines through materials properties evaluation", INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, 24(3), (2011), 298-310	UTBM, Lab Syst & Transport SET, F-90010 Belfort, France	Univ Jijel, Lab LAMEL, Ouled Aissa, Jijel, Algeria	0,533
ACL60-11	<u>HARB N.</u> , <u>LABED N.</u> , <u>DOMASZEWSKI M.</u> , <u>PEYRAUT F.</u> , "A new parameter identification method of soft biological tissue combining genetic algorithm with analytical optimization", COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 200(1-4), (2011), 208-215			2,738
ACL59-11	<u>HOLWECK F.</u> , "Singularities of duals of Grassmannians", JOURNAL OF ALGEBRA, 337(1), (2011), 369-384			0,677

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 9 / 20
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ACL58-11	<u>LEBAAL N.</u> , <u>NOUARI. M.</u> , <u>GINTING A.</u> , "A new optimization approach based on Kriging interpolation and sequential quadratic programming algorithm for end milling refractory titanium alloys", <i>APPLIED SOFT COMPUTING</i> , 11(8), (2011), 5110-5119	Ecole Natl Super Mines Nancy ENSMN, Lab Energet & Mekan Theor & Appl, LEMTA CNRS UMR 7563, GIP InSIC, F-88100 St Diel Des Vosges, France	Univ Sumatera Utara, Fac Engr, Dept Mech Engr, Medan 20155, North Sumatera, Indonesia	2,526
ACL57-11	<u>PLACCA L.</u> , <u>KOUTA R.</u> , "Fault tree analysis for PEM fuel cell degradation process modeling", <i>INTERNATIONAL JOURNAL OF HYDROGEN ENERGY</i> , 36(19), (2011), 12393-12405	Fuel Cell Syst Lab, FC LAB, F-90000 Belfort, France		4,086
ACL56-11	<u>TORREGROSSA D.</u> , <u>PEYRAUT F.</u> , <u>FAHIMI B.</u> , <u>M'BOUA J.</u> , <u>MIRAQUI A.</u> , "Multiphysics Finite-Element Modeling for Vibration and Acoustic Analysis of Permanent Magnet Synchronous Machine", <i>IEEE TRANSACTIONS ON ENERGY CONVERSION</i> , 26(2), (2011),490-500	Belfort Montbeliard Univ Technol, Syst & Transport Lab UTBM SET, F-90000 Belfort, France	Univ Texas Dallas, Dept Elect Engr, Richardson, TX 75080 USA	3,461
ACL55-11	<u>XU YJ.</u> , <u>ZHANG WH.</u> , <u>DOMASZEWSKI M.</u> , "Microstructure modelling and prediction of effective elastic properties of 3D multiphase and multilayer braided composite", <i>MATERIALS SCIENCE AND TECHNOLOGY</i> , 27(7), (2011), 1213-1221		NW Polytech Univ, Key Lab Contemporary Design & Integrated Mfg Tech, Xian 710072, Peoples R China	0,810
FACTEUR D'IMPACT MOYEN EN 2011				1,902

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 10 / 20
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2010				
ACL54-10	<u>AKIKI T., CHARON W., ILTCHEV MC., ACCARY G., KOUTA R.</u> , «Influence of local porosity and local permeability on the performances of a polymer electrolyte membrane fuel cell”, JOURNAL OF POWER SOURCES, 195(16), (2010), 5258-5268	Univ Technol Belfort Montbeliard, FCLAB Inst Res Fuel Cell Syst, F-90010 Belfort, France	Univ St Esprit Kaslik, Kaslik, Lebanon	4,908
ACL53-10	<u>MOVAHED-KHAH R., OSTROSI E., GARRO O.</u> , “Analysis of interaction dynamics in collaborative and distributed design process”, COMPUTERS IN INDUSTRY, 61(1), (2010), 2-14			2,062
ACL52-10	<u>OSTROSI E., TAUTRIM J., FUKUDA S.</u> , “Consensual cell searching in cellular manufacturing design”, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 51(5-8), (2010), 769-788		Lean Inst, D-76209 Karlsruhe, Germany Stanford Univ, Palo Alto, CA 94301 USA Tokyo Metropolitan Univ, Tokyo 1800002, Japan	1,423
ACL51-10	<u>OSTROSI E., BI ST.</u> , “Generalised design for optimal product configuration”, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 49(1-4), (2010), 13-25			1,423
ACL50-10	<u>PEYRAUT F., FENG ZQ., LABED N., RENAUD C.</u> , “A closed form solution for the uniaxial tension test of biological soft tissues”, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 45(5), (2010), 535-541	Univ Evry Val Essonne, Lab Mecan & Energet Evry, F-91020 Evry, France		1,598
ACL49-10	<u>PLACCA L., KOUTA R., CANDUSSO D., BLACHOT JF., CHARON W.</u> , “Analysis of PEM fuel cell experimental data using principal component analysis and multi linear regression”, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 35(10), (2010), 4582-4591	Fuel Cell Syst Lab, FC Lab, F-90000 Belfort, France LITEN, CEA, F-38000 Grenoble, France French Natl Inst Transport & Safety Res, LTN, INRETS, F-78000 Versailles, France		4,086

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ACL48-10	TORREGROSSA D., <u>PEYRAUT E.</u> , CIRINCIONE M., ESPANET C., CASSAT A., MIRAOUI A., «A New Passive Methodology for Reducing the Noise in Electrical Machines: Impact of Some Parameters on the Modal Analysis”, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, 46(5), (2010), 1899-1907	Univ Franche Comte, Inst Franche Comte Elect Mekan Therm & Opt Sci & F-90010 Belfort, France	Ecole Polytech Fed Lausanne, Inst Microtech, Fac Sci & Tech Ingenieur, Integrated Actuators Lab, CH-1015 Lausanne, Switzerland	1,989
FACTEUR D'IMPACT MOYEN EN 2010				2,498

2009

ACL47-09	BONJOUR E., <u>DENIAUD S.</u> , DULMET M., HARMEL G., "A Fuzzy Method for Propagating Functional Architecture Constraints to Physical Architecture", JOURNAL OF MECHANICAL DESIGN, 131(6), (2009)	UTBM, ENSMM, UFC, CNRS,UMR 6174,FEMTO ST Inst,Dept AS2M, F-25000 Besancon, France		1,445
ACL46-09	PEYRAUT F., FENG ZQ., HE QC., <u>LABED N.</u> , "Robust numerical analysis of homogeneous and non-homogeneous deformations", APPLIED NUMERICAL MATHEMATICS, 59(7), (2009), 1499-1514	Univ Evry Val d'Essonne, Lab Mecan Evry, F-91020 Evry, France Univ Paris Est, CNRS, FRE 3160, Lab Modelisat & Simulat Multi Echelle, F-77454 Marne La Vallee, France		1,310
ACL45-09	PEYRAUT F., RENAUD C., <u>LABED N.</u> , FENG ZQ., "Modeling of biological tissues with anisotropic hyperelastic laws - Theoretical study and finite element analysis", COMPTES RENDUS MECANIQUE, 337(2), (2009), 101-106	Univ Evry Val d'Essonne, Lab LME Evry, F-91020 Evry, France		0,969
ACL44-09	<u>PLACCA L.</u> , <u>KOUTA R.</u> , BLACHOT JF., <u>CHARON W.</u> , "Effects of temperature uncertainty on the performance of a degrading PEM fuel cell model", JOURNAL OF POWER SOURCES, 194(1), (2009), 313-327	Fuel Cell Syst Lab, FC Lab, F-90000 Belfort, France CEA, DRT, LITEN, DTH,LPAC, F-38000 Grenoble, France		4,908
ACL43-09	<u>ROUSS V.</u> , <u>CHARON W.</u> , CIRRINCIONE G., "Neural model of the dynamic behaviour of a non-linear mechanical system", MECHANICAL SYSTEMS AND SIGNAL PROCESSING, 23(4), (2009), 1145-1159		Politecn Torino, Dept Elect Engr, I-10129 Turin, Italy	2,623
ACL42-09	<u>QIU KP.</u> , ZHANG WH., <u>DOMASZEWSKI M.</u> , <u>CHAMORET D.</u> , "Topology optimization of periodic cellular solids based on a superelement method", ENGINEERING OPTIMIZATION, 41(3), (2009), 225-239		NW Polytech Univ, Key Lab Contemporary Design & Integrated Mfg Tech, Xian 710072, Peoples R China	1,161

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ACL41-09	<u>ROUSS V.</u> , <u>CHAYON W.</u> , DESFLOTS A., "Characterisation of mechanical non-linearities in a proton exchange membrane fuel cell using raw data", INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 34(5), (2009), 2377-2386	Univ Technol Belfort Montbeliard, FC LAB M3M, F-90000 Belfort, France		4,086
FACTEUR D'IMPACT MOYEN EN 2009				2,357

2008				
ACL40-08	<u>BASTIEN J.</u> , <u>LAMARQUE CH.</u> , "Persoz's gephyroidal model described by a maximal monotone differential inclusion", ARCHIVE OF APPLIED MECHANICS, 78(5), (2008), 393-407	CNRS, URA 1652, Ecol Natl Travaux Publ Etat, Dept Genie Civil & Batiment, Lab Geomat, F-69518 Vaulx En Velin, France		1,082
ACL39-08	<u>DECIU ER.</u> , <u>OSTROSI E.</u> , <u>FERNEY M.</u> , <u>GHEORGHE M.</u> , "Product family modelling in conceptual design based on parallel configuration grammars", STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, 54(6), (2008), 398-412		Univ Politehn Bucuresti, Bucharest, Romania	0,607
ACL38-08	<u>ROUSS V.</u> , <u>LESAGE P.</u> , <u>BEGOT S.</u> , <u>CANDUSSO D.</u> , <u>CHARON W.</u> , <u>HAREL F.</u> , <u>FRANCOIS X.</u> , <u>SELINGER V.</u> , <u>SCHILO C.</u> , <u>YDE-ANDERSEN S.</u> , "Mechanical behaviour of a fuel cell stack under vibrating conditions linked to aircraft applications part I: Experimental", INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 33(22), (2008), 6755-6765	Univ Technol Belfort, Univ Franche Comte, L2ES, Montbeliard, Belfort, France		4,086
ACL37-08	<u>ROUSS V.</u> , <u>CANDUSSO D.</u> , <u>CHARON W.</u> , "Mechanical behaviour of a fuel cell stack under vibrating conditions linked to aircraft applications part II: Three-dimensional modeling" INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 33(21), (2008), 6281-6288	FCLAB, F-90010 Belfort, France FCLAB, French Natl Inst Transport & Safety Res, INRETS, F-90010 Belfort, France	Power Generat Dev EYVEC, AIRBUS Deutschland GmbH, DE-21129 Hamburg, Germany IRD Fuel Cells AS, DK-5700 Svendborg, Denmark	4,086
FACTEUR D'IMPACT MOYEN EN 2008				2,465

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2007				
ACL36-07	<u>BASTIEN J.</u> , LAMARQUE CH., "Non smooth dynamics of mechanical systems with history term", <i>NONLINEAR DYNAMICS</i> , 47(1-3), (2007), 115-128	Ecole Natl Travaux Publ Etat, Dept Genie Civil & Batiment, Lab Geomat, CNRS,URA 1652, F-69518 Vaulx En Velin, France		2,640
ACL35-07	<u>BASTIEN J.</u> , LEGRENEUR P., MONTEIL K., "Geometrical characterisation of the boundary of the polyarticulated system workspace in the plane", <i>COMPTE RENDUS MECANIQUE</i> , 335(3), (2007), 181-186	Univ Lyon 1, UFRSTAPS, LAMA, Ctr Rech & Innovat Sport, Equipe Accueil EA647, F-69622 Villeurbanne, France		0,969
ACL34-07	<u>BASTIEN J.</u> , MICHON G., MANIN L. DUFOUR R., "An analysis of the modified Dahl and Masing models: Application to a belt tensioner", <i>JOURNAL OF SOUND AND VIBRATION</i> , 302(4-5), (2007), 841-864	Inst Natl Sci Appl, LaMCoS, CNRS, UMR 5259, F-69621 Villeurbanne, France Valeo Elect Syst, F-94000 Creteil, France		1,893
ACL33-07	<u>ELSOUFI L.</u> , KHALIL K., <u>LACHAT R.</u> , <u>CHARON W.</u> , "Modeling the thermal behavior of PZT patches during the manufacturing process of smart thermoplastic structures", <i>SMART MATERIALS & STRUCTURES</i> , 16(4), (2007), 1076-1082		Lebanese Univ, Fac Engn, LPM Lab, Beirut 135789, Lebanon Ctr Univ Technol, El Koura, Lebanon	2,377
ACL32-07	<u>LENCZNER M.</u> , "Multiscale model for atomic force microscope array mechanical behavior", <i>APPLIED PHYSICS LETTERS</i> , 90(9), (2007)			3,818
ACL31-07	<u>LENCZNER M.</u> , SMITH RC., "A two-scale model for an array of AFM's cantilever in the static case", <i>MATHEMATICAL AND COMPUTER MODELLING</i> , 46(5-6), (2007), 776-805		N Carolina State Univ, Ctr Res Sci Computat, Raleigh, NC 27695 USA	1,364
ACL30-07	<u>MOVAHED-KHAH R.</u> , <u>OSTROSI E.</u> , <u>GARRO O.</u> , "Understanding the dynamics of state-problems in distributed and collaborative design process", <i>CONCURRENT ENGINEERING-RESEARCH AND APPLICATIONS</i> , 15(1), (2007), 33-41			0,825
ACL29-07	<u>PEYRAUT F.</u> , FENG ZQ., <u>LABED N.</u> , "A material-independent algorithm for preserving of the orientation of the spatial basis attached to deforming medium", <i>COMPUTATIONAL MECHANICS</i> , 40(6), (2007), 1053-1060	Univ Evry Val Essonne, Lab Mecan Evry, F-91020 Evry, France Univ Technol Belfort Montbeliard, LERMPS, F-90010 Belfort, France		2,314

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ACL28-07	SAMROUT M., <u>KOUTA R.</u> , YALAOUI F., CHATELET E., CHEBBO N., "Parameter's setting of the ant colony algorithm applied in preventive maintenance optimization", JOURNAL OF INTELLIGENT MANUFACTURING, 18(6), (2007), 663-677	Univ Technol Troyes, Charles Delaunay Inst, F-10010 Troyes, France	Lebanese Univ, IUT, Ind Syst Lab, Beirut, Lebanon	2,162
FACTEUR D'IMPACT MOYEN EN 2007				2,040

2006				
ACL27-06	<u>FALL H.</u> , <u>GUESSASMA S.</u> , <u>CHARON W.</u> , "Prediction of stability and performance of an active mechanical structure under uncertainty conditions using finite element and neural computation", ENGINEERING STRUCTURES, 28(13), (2006), 1787-1794	INRA, Unite BIA, F-44316 Nantes, France		1,990
ACL26-06	<u>FALL H.</u> , <u>GUESSASMA S.</u> , <u>CHARON W.</u> , "Stability analysis of a controlled aluminium panel using neural network methodology", COMPUTERS & STRUCTURES, 84(13-14), (2006), 835-842	INRA, Unite BIA, F-44316 Nantes, France		2,000
ACL25-06	<u>KOUTA R.</u> , <u>PLAY D.</u> , "Definition of correlations between automotive test environments through mechanical fatigue damage approaches", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING, 220(D12), (2006), 1691-1709	Inst Natl Sci Appl, Bat Jules Verne, 19 Ave Jean Capelle, F-69621 Villeurbanne, France.		0,721
ACL24-06	<u>OSTROSI E.</u> , <u>FERNEY M.</u> , "Inference of feature grammars for feature-based modeling in CAD systems", INTEGRATED COMPUTER-AIDED ENGINEERING, 13(2), (2006), 113-131			2,389
FACTEUR D'IMPACT MOYEN EN 2006				1,775

 Institut de Recherche sur les Transports, l'Énergie et la Société	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 16 / 20
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2005				
ACL23-05	<u>BASTIEN J.</u> , LAMARQUE CH., "Maximal monotone model with history term", NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 63(5-7), (2005), E199-E207	Ecole Natl Travaux Publ Etat, Lab Geomat, Dept Genie Civil & Batiment, CNRS,URA 1652, F-69518 Vaulx En Velin, France		1,618
ACL22-05	<u>DECIU ER.</u> , <u>OSTROSI E.</u> , <u>FERNEY M.</u> , GHEORGHE M., "Configurable product design using multiple fuzzy models", JOURNAL OF ENGINEERING DESIGN, 16(2), (2005), 209-235		Univ Politehnica Bucharest, Bucharest, Romania	1,185
ACL21-05	LAMARQUE CH., <u>BASTIEN J.</u> , HOLLAND M., «Maximal monotone model with delay term of convolution», MATHEMATICAL PROBLEMS IN ENGINEERING, (4), (2005), 437-453	Ecole Natl Travaux Publ Etat, CNRS, URA 1652, Dept Genie Civil & Batiment,Lab Geomat, F-69518 Vaulx en Velin, France CETE Normandie Ctr, F-76121 Grand Quevilly, France		1,216
ACL20-05	LAMARQUE CH., BERNARDIN F., <u>BASTIEN J.</u> , "Study of a rheological model with a friction term and a cubic term: deterministic and stochastic cases", EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, 24(4), (2005), 572-592	Ecole Natl Travaux Publ Etat, CNRS, URA 1652, Dept Genie Civil & Batiment,Lab Geomat, F-69518 Vaulx En Velin, France Univ Lyon 1, CNRS, UMR 5585, MAPLY,Lab Math Appl Lyon, F-69622 Villeurbanne, France		1,782
ACL19-05	<u>OSTROSI E.</u> , <u>FERNEY M.</u> , "Feature modeling using a grammar representation approach", AI EDAM-ARTIFICIAL INTELLIGENCE FOR ENGINEERING DESIGN ANALYSIS AND MANUFACTURING, 19(4), (2005), 245-259			0,935
ACL18-05	<u>PEYRAUT F.</u> , FENG ZQ., <u>LABED N.</u> , "A general convergence condition of the Newton-Raphson algorithm applied to compressible hyperelasticity", STRUCTURAL ENGINEERING AND MECHANICS, 21(2), (2005), 121-136	Univ Evry Val Essonne, Lab Mecan, F-91020 Evry, France		0,729

 <small>Institut de Recherche sur les Transports, l'Énergie et la Société</small>	ARTICLES REFERENCES DANS LA BASE DE DONNEES INTERNATIONALES ISI WEB OF SCIENCE (THOMSON REUTERS)	Document Site Web IRTES-M3M	Page 17 / 20
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ACL17-05	<u>SLAVILA CA., DECREUSE C., FERNEY M.</u> , "Fuzzy approach for maintainability evaluation in the design process", CONCURRENT ENGINEERING-RESEARCH AND APPLICATIONS, 13(4), (2005), 291-300			0,825
FACTEUR D'IMPACT MOYEN EN 2005				1,184

2004				
ACL16-04	<u>ARROUF M., CHARON W., PEYRAUT F.</u> , "Optimisation of gain matrix with UZAWA algorithm - theory and application to an active panel", MECHANICAL SYSTEMS AND SIGNAL PROCESSING, 18(2), (2004), 317-327			2,623
ACL15-04	<u>LENCZNER M., MERCIER D.</u> , «Homogenization of periodic electrical networks including voltage to current amplifiers», MULTISCALE MODELING & SIMULATION, 2(3), (2004), 359-397	Univ Valenciennes & Hainaut Cambresis, MACS, F-59313 Valenciennes 9, France		2,162
ACL14-04	<u>PEYRAUT F.</u> , "Loading restrictions for the Blatz-Ko hyperelastic model - application to a finite element analysis", INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 39(6), (2004), 969-976			1,598
FACTEUR D'IMPACT MOYEN EN 2004				2,128

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2003				
ACL13-03	BRISSAUD D., <u>GARRO O.</u> , POVEDA O., "Design process rationale capture and support by abstraction of criteria", RESEARCH IN ENGINEERING DESIGN-THEORY APPLICATIONS AND CONCURRENT ENGINEERING, 14(3), (2003), 162-172	Univ Grenoble 1, 3S Lab, F-38041 Grenoble 9, France		1,823
ACL12-03	FENG ZQ., <u>PEYRAUT F.</u> , <u>LABED N.</u> , "Solution of large deformation contact problems with friction between Blatz-Ko hyperelastic bodies", INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, 41(19), (2003), 2213-2225	Univ Evry Val Essonne, Lab CEMIF, Lab Mecan Evry, IUP, F-91020 Evry, France		1,808
ACL11-03	LAMARQUE CH., <u>BASTIEN J.</u> , HOLLAND M., « Study of a maximal monotone model with a delay term", SIAM JOURNAL ON NUMERICAL ANALYSIS, 41(4), (2003), 1286-1300	Ecole Natl Travaux Publ Etat, CNRS,URA 1652, Dept Genie Civil & Batiment, Lab Geomat, F-69518 Vaulx En Velin, France		2,157
ACL10-03	<u>OSTROSI E.</u> , <u>FERNEY M.</u> , <u>GARRO O.</u> , "A fractal-based approach for concurrent engineering", CONCURRENT ENGINEERING-RESEARCH AND APPLICATIONS, 11(4), (2003), 249-265			0,825
ACL09-03	<u>PEYRAUT F.</u> , "Orientation preservation and Newton-Raphson convergence in the case of an hyperelastic sphere subjected to an hydrostatic pressure", COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 192(9-10), (2003), 1107-1117			2,738
FACTEUR D'IMPACT MOYEN EN 2003				1,870

2002

ACL08-02	<u>BASTIEN J.</u> , <u>SCHATZMAN M.</u> , "Numerical precision for differential inclusions with uniqueness", ESAIM-MATHEMATICAL MODELLING AND NUMERICAL ANALYSIS-MODELISATION MATHEMATIQUE ET ANALYSE NUMERIQUE, 36(3), (2002), 427-460	Univ Lyon 1, Lab Math Appl Lyon, MAPLY, CNRS,UMR 5585, F-69622 Villeurbanne, France		1,487
ACL07-02	<u>BASTIEN J.</u> , <u>SCHATZMAN M.</u> , <u>LAMARQUE CH.</u> , «Study of an elastoplastic model with an infinite number of internal degrees of freedom", EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, 21(2), (2002), 199-222	Univ Lyon 1, UMR 5585, CNRS, MAPLY, Lab Math Appl Lyon, F-69622 Villeurbanne, France Ecole Natl Travaux Publ Etat, URA 1652 CNRS, Dept Genie Civil & Batiment, Lab Geomat, F-69518 Vaulx En Velin, France		1,782
ACL06-02	<u>FALL H.</u> , <u>CHARON W.</u> , <u>KOUTA R.</u> , "Reliability of adaptive mechanical structures - Effect of actuator or sensor failure on stability", JOURNAL DE PHYSIQUE IV, 12(PR11), (2002), 169-176			
ACL05-02	<u>FENG ZG.</u> , <u>DOMASZEWSKI M.</u> , <u>MONTAVON G.</u> , <u>CODDET C.</u> , "Finite element analysis of effect of substrate surface roughness on liquid droplet impact and flattening process", JOURNAL OF THERMAL SPRAY TECHNOLOGY, 11(1), (2002), 62-68	Univ Technol Belfort Montbeliard, LERMPS, F-90010 Belfort, France	Ansoft Corp, Santa Clara, CA 95051 USA	1,732
ACL04-02	<u>FENG ZQ.</u> , <u>FENG ZG.</u> , <u>DOMASZEWSKI M.</u> , "Some computational aspects for analysis of low- and high-velocity impact of deformable bodies, "INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 37(6), (2002), 1029-1036	Univ Evry Val Dessionne, IUP, Lab CEMIF, F-91020 Evry, France		1,598
ACL03-02	<u>KOUTA R.</u> , <u>GUINGAND M.</u> , <u>PLAY D.</u> , "Design of welded structures working under random loading", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART K-JOURNAL OF MULTI-BODY DYNAMICS, 216(2), (2002), 191-201	Fed Mogul Operat France SAS Sintered Prod, F-38113 Veurey Voroize, France Inst Natl Sci Appl, Lab Concept & Analyse Syst Mecan, F-69621 Villeurbanne, France		0,928

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ACL02-02	MUTEL B., <u>OSTROSI E.</u> , "Feature-based manufacturing cell formation using a fuzzy-set approach", INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, 15(2), (2002),152-167	ENSAIS, Lab Rech & Prod Strasbourg, F-67084 Strasbourg, France		1,120
FACTEUR D'IMPACT MOYEN EN 2002				1,441

2001				
ACL01-01	<u>ZHANG WH.</u> , <u>DOMASZEWSKI M.</u> , FLEURY C., "An improved weighting method with multibounds formulation and convex programming for multicriteria structural optimization", INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 52(9), (2001), 889-902		Northwestern Polytech Univ, Dept Aircraft Mfg Engn, Sino French Lab Concurrent Engn, Xian 710072, Peoples R China Univ Liege, Inst Mech, LTAS Aerosp Lab, B-4000 Liege, Belgium	2,295
FACTEUR D'IMPACT MOYEN EN 2001				2,295