



**Production scientifique
2012-2015
Laboratoire de physique de la matière condensée**

*** Projets internationaux financés**

ID	Intitulé	Responsable	Année
219	URAC10	Said Ouaskit	2012

***Projets nationaux financés**

ID	Intitulé	Responsable	Année
218	URAC10	Said Ouaskit	2012

*Publications indexées

ID	Intitulé	Année	Journal	Auteurs
3315	Local magnetic properties of $L \times L$ square lattice with an Extended Hubbard Model	2015	Optical and Quantum Electronics 47, no. 3 (2015): 523-528	Zouhair, A., S. Harir, M. Bennai, A. Migalska-Zalas, and Y. Boughaleb
3316	On Supergravity Corrections to MSSM Braneworld Inflation and Observations	2015	Gravitation and Cosmology (2015) Vol. 21, No. 1, pp. 40-46. ISSN 0202-2893, c_ Pleiades Publishing,	M. Naciri, A. Safsafi, M. Bennai, E. H. Saidi
3319	Tree Level Potential on Brane after Planck and BICEP2	2015	Journal of Astrophysics and Astronomy: Volume 36, Issue 2 (2015), Page 269-280, (Springer)	M. Ferricha-Alami, A. Safsafi, L. Lahlou, H. Chakir and M. Bennai
3320	A new inflation potential with NMC to gravity in light of Planck and BICEP2 data	2014	General relativity and Gravitation (2014) 46: 1786, DOI 10.1007/s10714-014-1786-z, (Springer)	M. Naciri · Z. Mounzi · A. Safsafi · M. Bennai · E. H. Saidi
3321	Smooth hybrid inflation on brane constrained by Planck data	2014	International Journal of Modern Physics A, Vol. 29, No. 26 (2014) 1450146, (World Scientific Publish	6- M. Ferricha-Alami, H. Chakir, J. Inchaouh and M. Bennai
3322	Spin-spin interaction effect in 2D Extended Hubbard Model	2014	Superlattices and Microstructures (2014) Elsevier	A. Zouhair, S. Harir, M. Bennai, and Y. Boughaleb
3323	A. Zouhair, S. Harir, M. Bennai, K. Abderrafi , A. Migalska-Zalas, and Y. Boughaleb	2014	Experimental study of linear and non linear optical properties of thin graphene layers Optoelectron	8- A. Zouhair, S. Harir, M. Bennai, K. Abderrafi , A. Migalska-Zalas, and Y. Boughaleb
3324	MSSM Braneworld Inflation	2014	Adv. Studies Theor. Phys., Vol. 8 (2014) no. 6, 277 - 283	M. Naciri, A. Safsafi, R. Zarrouki and M. Bennai

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3325	NMC and the Fine-Tuning problem on the brane	2014	Advances in High Energy Physics (2014)	A. Safsafi and M. Bennai
3326	D-term Chaotic Braneworld in Supergravity Constrained by WMAP9 data	2014	Communications in Theoretical Physics 61 (2014) 397-402 IOPscience	A. Safsafi, M. Ferricha-Alami, H. Chakir, J. Inchaouh and M. Bennai
3327	Neighboring interaction effect on surface diffusion using Monte Carlo simulation	2013	Journal of Optoelectronics and Advanced Materials, Vol. 13, No. 5-6, (2013) 505 - 508	M. Snina, M Bennai and Y. Boughaleb
3328	Tachyonic Braneworld Inflation and observations	2013	Modern Physics Letters A Vol. 28, No. 15 (2013) 1350062, World Scientific Publishing Company	R. Zarrouki, Z. Sakhi and M. Bennai
3329	Ag adatom and dimer motion on Cu(110)(1x2) missing row surface	2014	Optical Material 36 (2014) 42-46	K. Sbiaai, A. Eddiai Y. Boughaleb, A. Hajjaji, M. Mazroui and A. Kara
3330	Jump diffusion in the strong-collision model on a two-dimensional triangular lattice	2014	Chem. Phys. Letters 608 (2014) 360-365	E. El koraychy, M. Mazroui, R. Ferrando and Y. Boughaleb
3331	Combination of electrostrictive polymers composites and electrets for energy harvesting capability	2014	Polym. Adv. Technol. 25 (2014) 969-974.	F. Belhora, A. Hajjaji, M. Mazroui D. Guyomar, L. Lebrun and Y. Boughaleb
3332	Non-universality in the 2D flocking model	2014	Modern Physics Letters B Vol. 28, No. 17 (2014) 1450137	Tarras, M. Mazroui, N. Moussa, Y. Boughaleb
3333	Atomic relaxation of Ag and Cu on fcc(100) and (110) surfaces	2014	Frontiers in Sciences and Engineering, 4 (2014) 53-62	K. Sbiaai, M. Mazroui, K. Benkhoucha, Y. Boughaleb
3334	Thickness effects of electrets and polymer for energy harvesting: Case of	2015	Eur. Phys. J. Plus (2015) 130:20 -DOI 10.1140/epjp/i2015-15020-x	F. Belhora, D. Guyomar, M. Mazroui, A. Hajjaji, and Y. Boughaleb

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	CYTOP-CTLM Polyurethane			
3336	Energy harvesting using hybridization of dielectric nanocomposites and electrets	2015	Polym. Adv.Technol. 26 (2015) 569-573	Belhora , A. Hajjaji, M. Mazroui, F. Z. El Fatnani, A. Rjafallah and D. Guyomar
3337	Numerical study of hetero-adsorption and diffusion on (100) and (110) surfaces of Cu, Ag and Au	2015	Surface Science 635 (2015) 64-69	E. Elkoraychy , K. Sbiaai, M. Mazroui, Y.Boughaleb, R. Ferrando
3338	Influence of the 2D periodic potential shape on the jump diffusion in the strong collision limit”	2015	Mod.Phys. Lett. B 29 (2015) 1550090	E. El koraychy, A. Kotri, M. Mazroui, R. Ferrando, K. Sbiaai and K. Saadouni
3339	Energetics and heterodiffusion of Cu on Ag(110) stepped surfaces	2015	Surface and Interface Aanalysis, 47(2015) 885-862	K. Sbiaai, E. Elkoraychy , M. Mazroui, Y.Boughaleb, I. Matrane
3341	A New Technique for Maximize the Energy Harvested Using Electrostrictive Polymer Composite	2014	OpticalMaterials, Vol. 36, pp. 13 - 17 (2014)	A. Eddiai, M. Meddad, K. Sbiaai, Y. Boughaleb, A. Hajjaji, D. Guyomar
3342	Lowest of AC-DC Power Output for Electrostrictive Polymers Energy Harvesting Systems	2014	Optical Materials, Vol. 36, pp. 80 - 85 (2014)	M. Meddad, A. Eddiai, A. Hajjaji, D. Guyomar, S. Belkhiat, Y. Boughaleb, A. Chérif
3343	Strain Effects on an Electrostrictive Polymer Composite for Power Harvesting: Experiments and Modeling	2015	Polymer and Advanced Technology, (accepted 2015) DOI: 10.1002/pat.37378	A. Eddiai, M. Meddad, M. Mazroui, Y. Boughaleb, M. Idiri, R. Khanfer and M. Rguiti
3345	The Optimization of the Energy Harvested by the Effect of Strain and Frequency on an Electrostrictive Polymer Composite	2014	Synthetic Metal, Vol. 188, pp.72-76(2014)	M. Meddad, A. Eddiai, A. Hajjaji, Y. Boughaleb, D. Guyomar, M Fliyou

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3346	Detection and analysis of degradation in the physical and electrical parameters in the PV cell	2014	. Journals of Optoelectronics and Advanced Materials, Vol. 16, p. 842 - 848(2014)	R. Khenfer, M. Mostefai, S. Benahdoug, A. Eddiai
3347	Multimodal Vibration Damping of a Smart Beam Structure Using Modal SSDI-Max Technique	2015	Nonlinear Optics and Quantum Optics, Vol. 0, pp. 1-18 (2015)	A. Chérif, C. Richard, D. Guyomar, S. Belkhat, M. Meddad, A. Eddiai, A. Hajjaji
3349	Functionalization of specific electrostrictive polymers for high power Harvesting	2015	IGI Global, International Publisher of Progressive Academic Research (2015)	A. Eddiai, M. Meddad, D. Guyomar, Y. Boughaleb, A. Hajjaji, K. Benkhouja and B. Sahraoui
3350	Model of piezoelectric self powered supply for wearable devices	2014	Superlattices and Microstructures 71, 105-116 (2014)	M. Meddad, A. Eddiai, A. Chérif, A. Hajjaji, Y. Boughaleb
3352	Optimization of energy harvesting conversion using the hybridization of electrostrictive polymers and electrets	2013	Sensors and Actuators A: Physical 189 (2013) 390-398	F. Belhora, P.J. Cottinet, D. Guyomar, L. Lebrun, A. Hajjaji M. Mazroui and Y. Boughaleb
3354	Collective behavior of interacting particles: radius-dependent phase transition I. Tarras	2013	Modern Physics letter B 4 (2013) 1350028	N. Moussa, M. Mazroui, Y. Boughaleb and A. Hajjaji
3355	Growth mode and diffusion processes on heterogeneous stepped metal surfaces Ag/Cu(110) K. Sbiaai, Y. Boughaleb	2013	Thin Solid film 548(2013) 331-335	Sbiaai, Y. Boughaleb, A. Hajjaji, M. Mazroui And A. Kara
3357	Diffusion processes of trimers on missing row surfaces: Cu ₃ /Ag(110) and Ag ₃ /Cu(110)	2013	Opt Quant Electron ,DOI 10.1007/s11082-013-9691-3 (2013)	K. Sbiaai · A. Eddiai · Y. Boughaleb · M. Mazroui · Jean-Yves Raty · Mounir Meddad · Abdelkader Kara

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3358	Diffusion of interacting Brownian particles on non-regularly spaced stepped structures	2013	Opt. Quant. Electron. DOI: 10.1007/s11082-013-9702-4 (2013)	Y. Lachtioui, M.Mazroui , Y. Boughaleb, E. El Koraychy
3361	Diffusion of interacting Dynamics of Cu monomer, dimer and trimer on Ag (110) (1 × 2) missing-row reconstructed surface Brownian particles on non-regularly spaced stepped structures	2013	Surface & Interface Analysis. DOI 10.1002/sia.5310 (2013)	K. Sbiaai,Y. Boughaleb, M. Mazroui And A. Kara
3363	Frequency-dependent conductivity of Brownian particles in bistable and metastable structures	2013	Sahraoui Journal of Optoelectronics and Advanced Materials 15 (2013)	Y. Lachtioui, M.Mazroui, K. Saadouni, Y. Boughaleb, K. Sbiaai and B. Sahraoui
3366	Mechano-electrical conversion for harvesting energy with hybridization of electrostrictive polymers and electrets	2013	Sensors and Actuators A: Physical 15 (2013) 58-65	F. Belhora, P.J. Cottinet, A. Hajjaji D. Guyomar, M. Mazroui , L.Lebrun and Y. Boughaleb
3367	Adaptive Control of Stiffness by Electroactive Polyurethane	2013	Journal of Sensors and Actuators: A. Physical, Vol. 189, pp. 80 - 85 (2013)	K. Yuse, D. Guyomar, D. Audigier, A. Eddiai, M Meddad, Y. Boughaleb
3368	Diffusion Processes of Trimers on Missing Row Surfaces: Cu ₃ /Ag (110) and Ag ₃ /Cu(110)	2013	Optical and Quantum Electronics, DOI 10.1007/s11082-013-9691-3 (2013)	K. Sbiaai ,A. Eddiai, Y. Boughaleb, M. Mazroui, A. Kara
3374	Optimization of the Piezoelectric Transformer by the Non-Linear Methods	2013	Optical and Quantum Electronics, DOI 10.1007/s11082-013-9712-2 (2013)	A. Chérif, C. Richard, D. Guyomar, S. Belkhiat, M. Meddad, A. Eddiai, A. Hajjaji
3382	Analysis of Micro Power Generator Autonomous PZT with Use of Sliding	2013	Journal of Optoelectronics and Advanced Materials, Vol. 15, pp. 1352	M. Meddad, A. Eddiai, S. Belkhiat, A. Chérif, A. Hajjaji, S. Benahdoug, Z.

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	Mode Contro		- 1355 (2013)	Sassi, S. Touhtouh
3385	Highly sensitive pseudo-differential ac-nanocalorimeter for the study of the glass transition Mohcine Laarraj	2015	Review of Scientific Instruments 86, 115110 (2015)	Rahma Adhiri, Said Ouaskit, Mohamed Moussetad, Christophe Guttin, Jacques Richard, and Jean-Luc Garden
3386	45- The behavior of the thermal conductivity near the melting temperature of copper nanoparticle Hamid Loulijat	2015	Journal of Molecular Liquids Volume 211, November 2015, Pages 695-704	Hicham Zerradi, Soufiya Mizani, El mehdi Achhal, Aouatif Dezairi, Said Ouaskit
3388	Study of the absorption refrigerating cycle, NH ₃ -H ₂ O coupled with the solar absorption heat transformer, H ₂ O-LiBr by solar data from the City of Oujda (Morocco)	2015	Revue des Energies Renouvelables Vol. 18 N°1 (2015) 39 - 48	F. Rhayt , A. Dezairi, S. Ouaskit, H. Loulijat, H. Zerradi and S. Mizani
3389	Effect of Morse potential as model of solid-solid inter-atomic interaction on the thermal conductivity of nanofluids	2015	Advanced Powder Technology Volume 26, Issue 1, January 2015, Pages 180-187	Hamid Loulijat, Hicham Zerradi, Aouatif Dezairi, Said Ouaskit, , Soufiya Mizani, Fathi Rhayt
3400	New Nusselt number correlations to predict the thermal conductivity	2014	Advanced Powder Technology Volume 25, Issue 3, May 2014, Pages 1124-1131	Hicham Zerradi, , Said Ouaskit, Aouatif Dezairi, Hamid Loulijat, Sofia Mizani
3402	Finite Difference Time Domain Method For Acoustic Waves In Attenuate And Absorptive Medium For Layered Underwater Acoustic Environments	2014	Canadian Acoustics Vol. 42 No. 3 (2014) - 97	Jawad Lakziz, Otmane Sofiane, Said Ouaskit, Rachid Elguerjouma

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3409	Référentiel de management des ressources d'entreprises [Companies resources management standard]	2014	International Journal of Innovation and Scientific Research Vol. 11 No. 2 Nov. 2014, pp. 400-412	Fettah Elmajdouly, Abdelfetah Adil, S. Ouaskit, and M. Elbounjimi
3411	Mise en place d'un modèle de mesure des performances et d'amélioration du système de management de la logistique	2014	Revue Française de Gestion Industrielle VOL. 33, N° 2 — 2014	F. ELMAJDOULY, A. ADIL, S. OUASKIT, M. ELBOUNJIMI, A. OUAHBANE
3413	finite difference time domain method for acoustic waves in attenuate and absorptive medium for layered underwater acoustic	2014	Journal of Marine Technology & Environment; 2014, Vol. 2, 2014 p47-54	Jawad Lakziz, Otmane Sofiane, Said Ouaskit, Rachid ELGUERJOUA
3415	Unimolecular dissociation of H ₂ N+1+ hydrogen clusters: measured cross sections and theoretically calculated rate constants	2013	Word Journal of Condensed Matter Physics, WJMC Vol 3 (2013),207-215	Mohamed Tabti, Adil Eddahbi, S. Assouli, Said Ouaskit, Lahcen Elarroum
3417	A novel synthetic route for preparation of Ag nanoparticles in aqueous emulsion of copolymers	2013	Journal of Optoelectronics and Advanced Materials Vol15, No. 11-12 2013, p. 1228	A.Eddahbi, M. Ider, M. Tabti, S. Ouaskit, M. Moussetade and K. Abderrafi
3418	Method for acoustic waves in attenuate and absorptive medium for layered underwater acoustic	2014	Journal of Marine Technology & Environment; 2014, Vol. 2, 2014 p47-54	Jawad Lakziz, Otmane Sofiane, Said Ouaskit, Rachid ELGUERJOUA
3425	Monte Carlo Simulations of the Plasma-Wall Interactions	2015	International Review on Modelling and Simulations (I.RE.MO.S.), Vol. 8, N. 1(February 2015) ISSN 197	S. Lahouaichri, S. Mizani, R. Moulitif, J. Louafi, M. Eddahby, A. Dezairi, D. Saifaoui
3427	The Impact of the Dust Characteristic on the Plasma Sheath	2015	Applied Mathematical Sciences, Vol. 9, 2015, no. 7, 323 - 336	S. Lahouaichri, A. Dezairi, J. Louafi, D. Saifaoui, R. Moulitif and S. Mizani

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3428	Study of transport phenomena in plasma by extended irreversible thermodynamics	2013	Journal of optoelectronics and advanced materials , Vol. 15, no. 11-12, December 2013, p. 1316 - 132	Moultif, A. Dezairi, D. Saifaoui, J. Louafi, S. Mizani, R. Elaouni
3430	Modeling and simulation of agglomeration of carbonaceous dust in a radio frequency discharge using the Monte Carlo technique	2013	Opt Quant electon SpringerScience + Besness Media New York, DOI. 10.1007s11082-013-969 (May 2013)	A.Dlimi, A.Elkebch, D.Saifaoui, A.Dezairi, M.Elmod
3433	Microscopic study of ground and low-lying states in neutron-rich 103,105,107Mo isotopes within the quasiparticle-phonon coupling plus rotor model, Phys. Rev. C 88, 064301 (2013)	2013	Phys. Rev. C 88, 064301 (2013)	J. Inchaouh, M.K. Jammari, O. Jdair, A. Khouaja, M.L. Bouhssa, H. Chakir and A. Morsad
5544	Optimization and Improvement of Thermal energy harvesting by using Pyroelectric materials	2015	Optical Materials Journal, Février 2016	F.Z. Elfatnani, D. Guyomar, F. Belhora, M. Mazroui, Y. Boughaleb
10474	A New and simple pathway route way for the synthesis of silver nanoparticles using the industrial latex	2015	frontiers in Science and Engineering -Vol. 5- n°2-2015	A.Eddahbi,A.Moumen, M. Ider, S. Ouaskit, and K. Abderrafi and A.Dezairi
10478	RADIATIVE PROPERTIES OF COPPER THIN FILM AS RADIATIVE COOLING MATERIALS	2013	Journal of Science and Arts	MOURAD BENLATTAR,EL MOSTAFA OUALIM
16303	Implementation of universal two- and three-qubit quantum gates in a Cavity QED	2016	Optical and Quantum Electronics 48.10 (2016): 463.	A. Chouikh, T. Said, K. Essammouni and M. Bennai

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16304	Implementing N-Quantum Phase Gate via Circuit QED with qubit-qubit interaction	2016	Modern Physics Letters B Vol. 30, No. 0 (2016) 1650050 World Scientific Publishing Company	T. Said, A. Chouikh, K. Essammouni and M. Bennai
16305	Realizing an N-two-qubit quantum logic gate in a Cavity QED with nearest qubit--qubit interaction	2016	Quantum Information and Computation, Vol. 16, No. 5&6 (2016) 0465-0482 Publisher: Rinton Press (Prin	T. Said, A. Chouikh, K. Essammouni and M. Bennai
16306	Realizing an N Quantum Controlled Phase Gate in a Cavity QED with Dipole-Dipole Interaction	2016	Quant. Inf. Rev. 4, No. 1, 9-15 (2016), Natural Sciences Publishing USA	T. Said, A. Chouikh, K. Essammouni and M. Bennai
16309	Charge and magnetic properties of 2D Extended Hubbard Model	2016	Charge and magnetic properties of 2D Extended Hubbard Model	S. Harir, A. Zouhair, M. Bennai, Y. Boughaleb
16310	A new large field inflation constrained by Planck 2015	2016	The European Physical Journal - Plus (2016) 131: 162	M. Ferricha-Alami, Z. Mounzi, H. Chakir and M. Bennai
16311	Braneworld Inflation with a Complex Scalar Field from Planck 2015	2016	General relativity and Gravitation (2016) 43:1515-1528 (Springer)	Z. Mounzi, M. Ferricha-Alami, H. Chakir and M. Bennai
16312	Braneworld Inflation in Supergravity with a Shift Symmetric Kähler Potential	2016	Journal of Astrophysics and Astronomy: Volume 37, Issue (2016), (Springer)	Z. Mounzi, M. Ferricha-Alami, A. Safsafi and M. Bennai
16313	Numerical study of self- and heterodiffusion on clean unreconstructed and missing-row reconstructed Pt(110) surfaces.	2016	Physica Status Solidi B (2016) 1-8.	I. Matrane, E. El koraychy, K. Sbiaai, M. Mazroui and Y. Boughaleb,
16314	Jump diffusion in the strong-collision model on deformable substrate potential	2016	Optical and Quantum Electronics (2016) 48, 101	A. Kotri, E. El koraychy, Y. Lachtioui, M. Mazroui, Y. Boughaleb

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16316	Hetero-diffusion behavior of Ag adatom on imperfect Au(110) surface.	2016	Accepté dans le journal Chemical Physics Letters (2016)	E. Elkoraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando
16317	Numerical study of growth and diffusion of Au, Cu and Ag homo and hetero-stepped (100) surfaces.	2016	Accepté dans le journal Modern Physics Letters B (2016)	M. Benlattar, E. Elkoraychy, K. Sbiaai, M. Mazroui and Y. Boughaleb
16318	Molecular Dynamics study of adsorption and hetero-diffusion of copper, silver and gold adatoms on the (111) surfaces.	2016	Accepté dans le journal Surface and Interface Analysis (2016)	A.Kotri, E. Elkoraychy, M. Mazroui, K. Sbiaai and Y. Boughaleb
16319	Rapid Synthesis of Silver Nanoparticles by Microwave-Polyol Method with the Assistance of Latex Copolymer	2016	J Clust Sci, 27 (2016) pp 1-16.	M. Ider, K. Abderrafi, A. Eddahbi, S. Ouaskit, A. Kassiba.
16320	Silver Metallic Nanoparticles with Surface Plasmon Resonance: Synthesis and Characterizations	2016	J Clust Sci, 27 (2016) pp 1-19.	M. Ider, K. Abderrafi, A. Eddahbi, S. Ouaskit, A. Kassiba.
16423	Effect of Sodium Oxide Modifier on Structural and Elastic Properties of Silicate Glass	2016	The Journal of Physical Chemistry B	Jabraoui, H., Vaills, Y. P., Hasnaoui, A., Badawi, M., & Ouaskit, S
16424	Molecular dynamics simulation of thermodynamic and structural properties of silicate glass: Effect of the alkali oxide modifiers	2016	Journal of Non-Crystalline Solids, 448, 16-26.	Jabraoui, H., Achhal, E. M., Hasnaoui, A., Garden, J. L., Vaills, Y., & Ouaskit, S.
16425	Mesoporous materials from SiO ₂ and NiTiO ₃	2016	Molecular Crystals and Liquid Crystals, 634(1), 121-129	Achhal, E., Jabraoui, H., Ouaskit, S., & Gibaud, A.

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17299	Brownian diffusion in a Triple-Well Potential	2016	Journal "Molecular Crystal and Liquid Crystals " (2016)	M. Ouahmane, L. Arfa, L.El Arroum and M. Mazroui
17493	optic study of electromagnetic mass separator with GEANT4	2016	Progress In Electromagnetic Research Symposium (PIERS), Shanghai, China, 8-11 August, IEEE Conferenc	M.L. Bouhssa, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, S. Boudhaim, Z. Housni N. Harakat, M. Fiak, M. Krim, S. Lablak, A. kartouni, M.R. Mesradi
17498	The nuclear matrix elements of $0\nu\beta\beta$ decay and the NUMEN project at INFN-LNS	2016	Symposium on Nuclear Physics, IOP Publishing 2016	F. Cappuzzello , C. Agodi , E. Aciksoz, L. Acosta, X. Aslanoglou, S. Boushaim, A. Khouja, J. Inchaouh et. al.
17589	Lawsonite thin film as radiative cooling minerals for dew harvesting	2016	Dielectric Materials and applications	M.BENLATTAR., M.MAZROUI., A.MOUHSEN., E.M.OUALIM
17591	Scaling behavior of non-equilibrium phase transitions in spontaneously ordered motion of self-propelled particles	2016	Modern Physics Letters B	R.Bakir., I.Tarras., A.Hader., H.Sbiaai., M.Mazroui., and Y.Boughaleb
17615	A new concept to harvest thermal energy using pyroelectric effect and Rayleigh-Benard convections	2016	The EUROPEAN PHYSICAL JOURNAL PLUS	Fatima Zahra El fatnani.,Daniel Guyomar.,Fouad Belhora.,M'hammed Mazroui.,Yahia Boughaleb.,and Abdelwahed Hajjaji
17616	Substrate effects on the diffusion process	2015	MOL.CRYST.LIQ.CRYST	Y.Lachtioui.,A.Kotri.,I.Tarras.,K.Saado uni.,and M.Mazroui
17617	Local atomic structures of single-component metallic glasses	2016	The EUROPEAN PHYSICAL JOURNAL B	Salma Trady.,Abdellatif Hasnaoui.,M'hammed Mazroui.,and Khalid Saadouni
17618	Structural properties of AL and TiAl3	2016	Modern Physics Letters B	M.Tahiri.,S.Trady.,A.Hasnaoui.,M.Mazr

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	metallic glasses: An embedded atom method study			oui
17619	Molecular dynamics study of atomic-level structure in monatomic metallic glass	2016	Journal of non-crystalline solids	S.Trady.,M.Mazroui.,A.Hasnaoui.,K.Sa adouni
17620	Synthesis of nanosized TiO ₂ powder by sol gel method at low temperature	2016	MOL.CRYST.LIQ.CRYST	W.Nachit.,S.Touhtouh.,Z.Ramzi.,M.Zb air.,A.Eddiai.,M.Rguiti.,A.Bouchikhi.,A. Hajjaji.,and K.Benkhouja
17621	Enhancement of electrostrictive polymer power harvesting using new technique SSHI-Max	2016	Opt Quant Electron	Mounir Meddad.,Adil Eddiai.,Aida Cherif.,Daniel Guyomar.,Abdelowahed Hajjaji
17622	Improved modal observer for modal SSDI-Max	2015	MOL.CRYST.LIQ.CRYST	E.Babesse.,S.Belkhiat.,A.Cherif.,M.Med dad.,A.Eddiai.,and Y.Boughaleb
17623	Effect of temperature on the PV cells and improving their performance by the use of thermo generators	2015	MOL.CRYST.LIQ.CRYST	Riad Khenfer.,Seddik Benahdoug.,Mounir Meddad.,Mohamed Mostefai.,Adil Eddiai., and Khalil Benkhouja
17625	Multimodal vibration damping using energy transfer	2016	Opt Quant Electron	A.Cherif.,M.Meddad., A.Eddiai.,A.Zouh air.,A.Zawadzka.,A.Migalska-Zalas
17626	Modeling and diagnostic of an ultrasonic piezoelectric actuator	2015	MOL.CRYST.LIQ.CRYST	S.Latrèche.,M.Mostefai.,M.Meddad.,A. Eddiai.,B.Sahraoui., M.Khemliche.,and A.Badoud
17627	New material connected with Matlab for physical characteristics tracer of a thermogenerator	2015	MOL.CRYST.LIQ.CRYST	Seddik Benahdoug.,Riad Khenfer., Mounir Meddad., Adil Eddiai., and Khalil Benkhouja

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17677	MOLECULAR DYNAMICS SIMULATION OF THERMODYNAMIC AND STRUCTURAL PROPERTIES OF SILICATE GLASS:EFFECT OF THE ALKALI OXIDE MODIFIERS	2016	Journal of non-crystalline solids	H.Jabraoui.,E.M.Achhal.,A.Hasnaoui.,J L.GARDEN .,Y.Vaills.,S.Ouaskit
17678	Population balance equation model to predict the effects of aggregation kinetics on the thermal conductivity of nanofluids	2015	journal of Molecular liquids	Hicham Zerradi.,Soufiya Mizani.,Hamid Loulijat.,Aouatif Dezairi.,Said Ouaskit
17679	HEAT TRANSFER CHARACTERISTICS OF NANOFLUID FLOW AROUND AN ELLIPTICAL CYLINDER	2016	International journal of Advancements in Technology	Hicham Zerradi.,Soufiya Mizani.,Aouatif Dezairi.,Hamid Loulijat.,Sanaa ROCHD and Said Ouaskit
17680	Photocatalytic properties of TiO ₂ /ZnO thin film	2016	MOL.CRYST.LIQ.CRYST	W.Halim.,A.Moumen., S.Ouaskit., N.Errien
17684	NMC and the Fine-Tuning Problem on the Brane	2014	Advances in High Energy Physics	A.Safsafi.,and M.Bennai
17685	D-term Chaotic Braneworld in Supergravity Constrained by WMAP9 Data	2014	Commun.Theor.Phys	A.Safsafi.,M.Ferricha-Alami.,H.Chakir.,J.Inchaouh., and M.Bennai
17686	Experimental study of linear and non linear optical properties of thin graphene layers	2014	OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS	A.ZOUHAIR.,S.HARIR.,M.BENNAI.,K.Abderrafi.,A.MIGALSKA-ZALAS.,Y.BOUGHALEB
17687	Local magnetic properties of L*L square lattice with an Extended Hubbard Model	2014	Opt Quant Electron	A.ZOUHAIR.,S.HARIR.,M.BENNAI.,A.MIGALSKA-ZALAS.,Y.BOUGHALEB

ID	Intitulé	Année	Journal	Auteurs
17690	Kahler potential braneworld inflation in supergravity after Planck 2015	2015	International Journal of Modern Physics A	M.Ferricha-Alami., A.Safsafi.,A.Bouaouda.,R.Zarrouki., and M.Bennai
17691	Observational Constraints on the MSSM Braneworld Scenario and Supergravity Corrections	2014	Gravitation and Cosmology	M.Naciri.,A.Safsafi.,M.Bennai, and E.H.Saidi
19670	Cooling rate dependence and local structure in aluminum monatomic metallic glass	2017	PHILOSOPHICAL MAGAZINE	M. Kbirou, S. Trady, A. Hasnaoui, M. Mazroui
21510	Atomic packing and medium-range order in Ni3Al metallic glass	2017	Journal of Non-Crystalline Solids	S. Trady, A. Hasnaoui, M.Mazroui
22398	Magnetocaloric properties of a spin-1 anisotropic ferromagnetic Heisenberg system within the pair approximation	2017	Journal of Physics Comm. 1(2017) 055003.	Boubekri Abderrazzak, Moulay Youssef EL HAFIDI and Mohamed EL HAFIDI
22399	Magnetic and thermodynamic properties of a simple-wall hexagonal spin nanotube	2017	Computational Condensed Matter, 13, 77-82 (2017).	Z. ElMaddahi, A. Farchakh, M.Y. El Hafidi, M. El Hafidi
22400	. Existing Scale Deposits Removal by Magnetic Water Treatment: Theoretical Study and Experiment	2017	International Journal of Water and Wastewater Treatment, Volume: 3.3 (2017),	M.Y. El Hafidi and M. El Hafidi
22401	Contribution to Spin Tubes Study	2017	Journal of Superconductivity and Novel Magnetism (2017)	Farchakh, M. El Hafidi
22484	□ Erlich-Schoewebel barriers and adsorption of Au, Cu and Ag stepped (100) surface	2017	Modern Physics letter B	M. Benlattar, E. Elkoraychy, K. Sbiaai, M. Mazroui and Y. Boughaleb

ID	Intitulé	Année	Journal	Auteurs
22485	□ Numerical modelling of lawsonite thin film as radiative cooling minerals for dew harvesting	2017	Results in Physics	M. Benlattar, S. Lattioui, E.M. Oualim, M. Mazroui, A. Mouhsen
22486	□ Hetero-diffusion of Au epitaxy on stepped Ag(110) surface: Study of the jump rate and diffusion coefficient	2017	The EUROPEAN PHYSICAL JOURNAL PLUS	M. Benlattar, E. El koraychy, A. Kotri, M. Mazroui
22489	Heterodiffusion of Ag adatoms on imperfect Au(110) surfaces	2017	Chem. Phys. Letters	E. Elkoraychy , K. Sbiaai, M. Mazroui, R. Ferrando, Y.Boughaleb
22491	Static investigation of adsorption and hetero-diffusion of copper, silver and gold adatoms on the (111) surface	2017	Surface and Interface Analysis 49 (2017)705-711	A. Kotri, E. El koraychy, M. Mazroui and Y. Boughaleb
22492	Effects of agent's orientation in 2D flocking model	2017	Chinese Journal of Physics 55 (2017) 692-697.	R. Bakir, I. Tarras, L. Amallah, H. Sbiaai, A. Hader, M. Mazroui, Y. Boughaleb
23638	New constraint of an attractor GL Model in Braneworld context	2017	International Journal of Modern Physics A, Vol. 32 (2017) 1750119 World Scientific Publishing Compan	Z. Mounzi, A. Safsafi, M. Ferricha-Alami and M. Bennai
23639	Mutated hybrid inflation on brane and reheating temperature	2017	The European Physical Journal - Plus (2017)	M. Ferricha-Alami, Z. Sakhi, H. Chakir and M. Bennai
23642	Randall-Sundrum II Model from Small Field Inflation in Light of Planck Data and Reheating Temperature	2017	Moscow University Physics Bulletin, 2017, Vol. 72, No. 5, pp. 425-432. © Allerton Press, Inc., 2017.	M. Ferricha-Alami, Z. Mounzi, M. Naciri, M. Bennai and H. Chakir
23644	niSWAP and NTCP gates realized in a Circuit QED system	2017	International Journal of Geometric Methods in Modern Physics (2017)	K. Essamouni, A. Chouikh, T. Said, M. Bennai

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23645	Critical Properties of two-dimensional Anisotropic Ising Model on a Square Lattice	2017	Journal of Superconductivity and Novel Magnetism (2017) DOI 10.1007/s10948-017-4018-4	D. Farsal, M. Snina, M. Badia and M. Bennai
23646	Alternative Approach for Quantum Computation in a Cavity QED	2017	Quantum Physics Letters. 6, No. 1, 65-71 (2017) 65, An International Journal.	A. Chouikh, T. Said, K. Essammouni and M. Bennai
23649	Implementation of Grover quantum search algorithm with two transmon qubits via Circuit QED	2017	Quantum Physics Letters 6, No. 1, 29-35 (2017) 29, An International Journal.	A. Chouikh, T. Said, K. Essammouni and M. Bennai
23653	Observational Constraints on a Hyperbolic Potential in Braneworld Inflation	2017	Gravitation and Cosmology 23.1 (2017) 84-89.	Z. Mounzi, M. Ferricha-Alami, A. Safsafi. and M. Bennai
23880	Thermodynamic and structural properties of binary calcium silicate glasses: Insights from molecular dynamics.	2017	. Phys. Chem. Chem. Phys, 2017	- H. Jabraoui, M. Malki, M. Badawi, S. Lebègue. A. Hasnaoui, S. Ouaskit, Y. Vaills
23883	Structural Stability, Electronic Structure, and Ferromagnetic Properties of Zn _{1/2} Ni _{1/2} O	2017	J Supercond Nov Magn	H. Moujri, A. Boudali, B.Doumi , M. Fliyou, S.Ouaskit,
23886	FDTD Simulations of Surface Plasmons Using the Effective Permittivity Applied to the Dispersive Media	2017	American Journal of Electromagnetics and Applications 2017	Otman Sofiane, Said Ouaskit
26993	Single Skyrmion induced by external magnetic field in CoFeB ferromagnetic alloy nanodisks	2018	Journal of Magnetism and Magnetic Materials	M.FATTOUHI, M.Y.El HAFIDI and M. El HAFIDI

ID	Intitulé	Année	Journal	Auteurs
26994	Micromagnetic simulation of current-induced magnetization dynamics in a half-Heusler Co _{1.5} Fe _{1.5} Ge alloy spin-valve nanopillar	2018	SN Applied Sciences Springer Link	H.BELRHAZI, M.Y.El HAFIDI and M. El HAFIDI
27276	Sputtering yield for Na and Cl ions on a graphene and SiC membrane in the reverse osmosis method	2018	Surface and interface analysis	Sanaa ROCHD, meriem EL MARSI, Soufiya MIZANI, Latifa SALAM, Souad LAHLOU, Rachida MOULTIF, Aouatif DEZAIRI
27302	Atomic packing and fractal behavior of Al-Co metallic glasses	2018	Journal of Alloys and Compounds	M.KBIROU,A.HASNAOUI,M.MAZROUI
27303	Short and medium-range orders in Co ₃ Al metallic glass	2018	Chemical Physics,	M.KBIROU,A.HASNAOUI,M.MAZROUI
27304	Microstructural Evolution of Co ₃ Al Metallic Glass Studied by Molecular Dynamics Simulations	2018	Materials Focus	M.KBIROU,A.HASNAOUI,M.MAZROUI
27314	THE COMBINED EFFECT OF REPULSION ZONE AND INITIAL VELOCITY ON VISCEK MODEL	2018	SENSOR LETTERS	I.TARRAS,R.BAKIR,A.HADER,M.MAZROUI,DORILSON.S.CAMBUI,Y.BOUGHALE B
27316	ADAPTIVE BACKSTEPPING SLIDING MODE CONTROL ABSMC FOR PIEZOELECTRIC ACTUATORS SYSTEM	2018	SENSOR LETTERS	K.BEHIH,E.BENMOHAMED,M.MEDDAD,A.EDDIAI,D.ZEHAR
27321	Monte Carlo simulations of MgO and Mg(OH) ₂ thin films sputtering yields by noble-gas ion bombardment in plasma display panel PDP	2018	Journal of nuclear Instruments and Methods in physics Research B:	M. EL Marsi, R. Moulitif, S. Lahlou, S. Rochd, A. Dezaïri
27383	DIFFUSION AND ADSORPTION OF	2018	CHEMICAL PHYSICS	I.MATRANE,M.MAZROUI,K.SBIAAI

ID	Intitulé	Année	Journal	Auteurs
	DIMERS ON RECONSTRUCTED Pt(110)SURFACES:FIRST PRINCIPLE AND EAM STUDIES			
27384	EVALUATION OF PERFORMANCE OF POLYIMIDE LEAD ZIRCONATE TITANATE COMPOSITE FOR ENERGY HARVESTERS AND ACTUATORS	2018	JOURNAL OF COMPOSITE MATEIALS	R.FARHAN,M.RGUITI,A.EDDIAI,M.MAZROUI,M.MEDDAD
27385	OPTIMIZATION OF PYROELECTRIC CONVERSION OF THERMAL ENERGY THROUGH THE PZT CERAMIC BUZZER AND NATURAL CONVECTION	2018	THE EUROPEAN PHYSICAL JOURNAL PLUS	F.EL FATNANI,M.MAZROUI,D.GUYOMAR
27386	MICROSTRUCTURAL EVOLUTIONS AND FRACTAL CHARACTERISTICS IN MEDIUM RANGE LEVEL IN AL _x Ni _{100-x} ALLOYS DURING RAPID SOLIDIFICATION PROCESS	2018	JOURNAL OF ALLOYS AND COMPOUNDS	S.TRADY,M.MAZROUI,A.HASNAOUI,K.SAADOUNI
27387	X-RAY DIFFRACTION STUDYOF STRUCTURAL AND MECHANICAL MODIFICATION INDUCED BY ION BEAM ASSISTED DEPOSITION PROCESS OF 304 L STAINLESS STEEL FILMS	2018	AMERICAN SCIENTIFIC PUBLISHERS	M.IDIRI,B.BOUBKER,A.EDDIAI,M.MEDDAD
27388	ZINC MONOCHALCOGENIDE THIN FILMS ZNX (X=S,Se,Te) RADIATIVE COOLING MATERIALS	2018	OPTIK	S.LAATIOUI,M.BENLATTAR,M.MAZROUI,K.SAADOUNI
27389	“ Using PVDF Piezoelectric Polymers to Maximize Power Harvested by	2018	Superlattices and Microstructures	A. Eddiai, M. Meddad, R. Farhan, M. Mazroui, M. Rguiti, D. Guyomar

ID	Intitulé	Année	Journal	Auteurs
	Mechanical Structure			
27390	DESIGN AND CONSTRUCTION OF A MULTIFUNCTION PIOZOELECTRIC TRANSFORMER	2018	JOURNAL OF AUSTRALIAN CERAMIC SOCIETY	A.EDDIAI,M.MEDDAD,M.RGUITI,A.CHE RIF,C.COURTOIS
27391	Diffusion and adsorption of Au and Pt adatoms on ideal and missing row reconstructed surfaces of Au(110): DFT and EAM calculations	2018	Surface Science	I. Matrane, M. Mazroui & Y. Boughaleb
27392	TEMOERATURE EFFECT ON FIBERS ELONGATION BEHAVIORS IN COMPOSITE MATERIALS WITH RANDOMLY ORIENTED FIBERS	2018	AMERICAN SCIENTIFIC PUBLISHERS	H.SBIAA,A.HADER,S.BOUFFASS,R.BAKIR,I.ACHIK,A.ZOUHAIR,Y.BOUGHALEB
27393	CORRELATIONS AND DIFFUSION PROCESS IN SELF-PROPELLED PARTICLES DYNAMIC:LANGEVIN EQUATION TREATMENT	2018	AMERICAN SCIENTIFIC PUBLISHERS	L.AMALLAH,A.HADER,I.ACHIK,H.SBIAA I,I.TARRAS,Y.BOUGHALEB
27394	TIME EVOLUTION OF DAMAGED REGION IN COMPOSITE MATERIALS	2018	AMERICAN SCIENTIFIC PUBLISHERS	A.HADER,H.SBIAAI,I.ACHIK,J.HEDOUJ, R.BAKIR,I.TARRAS,Y.BOUGHALEB
27395	Processing and Characterization of Polyamide/PZT composite for sensing and actuators applications	2018	SENSOR LETTERS	R. Farhan, M. Rguiti, A. Eddiai, M. Mazroui, M. Meddad, and C. Courtois
27396	Design Hybridization System of TEG/PZT for Power Generation: Modelling and Experiments	2018	Superlattices and Microstructures	M.Meddad, A.Eddiai, R.Farhan, S.Benahadoug, M.Mazroui and M.
27397	HETERO-DIFFUSION OF SMALL CLUSTERS ON Ag(111) SURFACE	2018	THE EUROPEAN PHYSICAL JOURNAL PLUS	A.KOTRI,E.EL KORAYCHY,M.MAZROUI,I.ACHIK

ID	Intitulé	Année	Journal	Auteurs
27402	Entanglement and Correlation Functions in 1D Extended Hubbard Model	2018	Journal of Advanced Physics	S. Harir, A. Zouhair, M. Bennai and Y. Boughaleb
27403	Phase Transition in 2D Anisotropic Ising Model with Next-Nearest Neighbor Interactions in a Magnetic Field	2018	SPIN	D. Farsal, M. Badia and M. Bennai
27404	A Facile two-step method to implement $N\sqrt{}$ (iSWAP) and $N\sqrt{}$ (SWAP) gates in a circuit QED	2018	International Journal of Theoretical Physics	T. Said, A. Chouikh and M. Bennai
27405	Two-step scheme for implementing N two-qubit quantum logic gates via cavity QED.	2018	Applied Mathematics & Information Sciences Letters	T. Said, A. Chouikh and M. Bennai
27406	Realizing a Four-Qubit Quantum Gate in a Cavity QED System	2018	Quant. Phys	A. Chouikh, T. Said, K. Essammouni and M. Bennai
27407	Study of Nucleation/Annihilation Process and Vortices Characteristics in Co/Py Rectangular Bilayers	2018	Journal of Experimental and Theoretical Physics	T. Said, A. Chouikh and M. Bennai
27408	Observational Constraints on the Chaplygin Gas with Inverse Power Law Potential in Braneworld Inflation	2018	Moscow University Physics Bulletin,	F. Salamate, I. Khay, A. Safsafi, M. Bennai, H. Chakir
27409	On Chaplygin Gas Braneworld Inflation with Monomial Potential	2018	Advances in High Energy Physics	Safsafi Adil, Imane khay, fatiha salamat, Hamid Chakir and Mohamed Bennai
27410	Logarithmic Potential Braneworld In	2018	Revista Cubana de Física	M. Ferricha-Alami, O.Jdair, H. Chakir

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	Light Of The Recent Experiment Observation			and M. Bennai
27964	Viscosity of Ar-Cu nanofluids by molecular dynamics simulations: Effects of nanoparticle content, temperature and potential interaction	2018	Journal of Molecular Liquids	S. Zeroual H. Loulijat, E. Achehal, P. Estellé , A. Hasnaoui, S. Ouaskit
27965	Modeling and simulations of nanofluids using classical molecular dynamics: Particle size and temperature effects on thermal conductivity	2018	Advanced Powder Technology	E. M. Achhal, H. Jabraoui, S. Zeroual, H. Loulijat, A. Hasnaoui S. Ouaskit
28398	Microwave Assisted Synthesis of Palladium Nanoparticles in an Aqueous Emulsion of Copolymer: Application to Catalysis	2017	Journal of Cluster Science	A. Moumen, H. Wafae, S. Jaffal, A. Eddahbi, K. Abderrafi, S. Sebti, S. Ouaskit
28401	A Critical Review of Heat Transfer Characteristic Using Nanofluid Flow Around a Set of 2D Cylinder Arrangements?	2018	BioNanoScience	Soufiya Mizani ¹ & Hicham Zerradi ¹ & Sanaa Rochd ¹ & Aouatif Dezairi ¹ & Rachida Moulitif ¹
31862	ENERGY METHOD FOR EXPERIMENTAL LIFE PREDICTION OF CENTRAL CORE STRAND CONSTITUTING A STEEL WIRE ROPE	2018	ENGINEERING FAILURE ANALYSIS	ACHRAF WAHID, NADIA MOUHIB, ABDELKARIM KARTOUNI, HAMID CHAKIR, MOHAMED ELGHORBA
31867	METHOD FOR RANGE CALCULATION BASED ON EMPIRICAL MODELS OF PROTON IN LIQUID WATER: VALIDATION STUDY USING MONTE-	2017	INTERNATIONAL JOURNAL OF SCIENTIFIC & ENGINEERING RESEARCH	M.KRIM, N. HAKAT, A. KHOUAJA, J. INCHAOUH, M.R. MESRADI, H.CHAKIR, A. KARTOUNI, A. MAROUANE, M.BENJELLOUN, S. BOUDHAIM, M.

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	CARLO METHOD AND ICRU DATA			FAIAK, M.L. BOUHSSA, Z. HOUSSNI
31869	OPRM CALCULATION OF BAND STRUCTURES IN A-100	2017	INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY AND CURRENT RESEACH	O. JDAIR, J.INCHAOUH, M.K. JAMMARI, A. KHOUAJA, M. FERRICHA-ALAMI, H.CHAKIR

*Publications avec comité de lecture

ID	Intitulé	Année	Journal	Auteurs
17300	Fokker Planck dynamic of interactive Brownian particles in a non-deformable substrate	2016	Journal " Physica A" 12 décembre 2016	Lahcen ARFA*, Mehdi OUAHMANE AND Lahcen EL ARROUM

*Communications internationales

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
5810	Improvement of Energy Harvesting Performance of Electrostrictive Polymers (Poster)	F.Z.El fatnani, D.Guyomar, M.Mazroui, F.Belhora, Y.Boughaleb	First International Workshop on Advanced Materials and Energy Application, Faculté des Sciences, Université Moulay Ismail	Meknes	Maroc	2014-05-07
5811	Récupération d'énergie thermique par effet pyroélectrique (Orale)	F.Z.El fatnani, F.Belhora, D.Guyomar M.Mazroui, Y.Boughaleb	Journée Thématique internationale sur les matériaux avancés pour	Casablanca	Maroc	2014-06-18

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
			les nouvelles technologies			
5812	Optimization and Improvement of Energy Harvesting by Using Hybridization of Dielectric Nanocomposites and Electrets (Orale)	F.Z.El fatnani, F.Belhora, D.Guyomar M.Mazroui, Y.Boughaleb, A.Hajjaji	Conférence Internationale sous le thème : Les Matériaux Fonctionnels et leurs Applications Technologiques	Casablanca	Maroc	2014-10-24
5813	Improvement of Energy Harvesting Performance of Electrostrictive Polymers (Poster)	F.Z.El fatnani, D.Guyomar, M.Mazroui, F.Belhora, Y.Boughaleb	First International Workshop on Advanced Materials and Energy Application, Faculté des Sciences	Casablanca	Maroc	2015-03-21
6012	Jump diffusion in the strong-collision model on one-dimensional deformable potential	A. Kotri, Y. Lachtioui, E. Elkoraychy & M. Mazroui	The international 'Functional Materials and their Technological Applications'	Casablanca	Maroc	2014-10-24
6013	L'influence de la forme de potentiel du substrat sur la diffusion d'adatome	A.Kotri, E. Elkoraychy, Y. Lachtioui & M. Mazroui.	La journée Thématique internationale sur: les Matériaux Avancés pour les Nouvelles Technologie	Casablanca	Maroc	2014-06-18
7773	Elaboration of TiO ₂ , ZnO and TiO ₂ /ZnO thin films by magnetron sputtering method and their photocatalytic activities	W.HALIM, S. OUASKIT and N. ERRIEN	13th ICFPAM	Marrakech	Maroc	2015-04-30

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
7774	Synthesis of TiO ₂ nanoparticles by microwave-assisted polyol process	W.HALIM, A.MOUMEN, S. OUASKIT and N. ERRIEN	5th ITMC	Marrakech	Maroc	2015-11-03
7776	Titanium dioxide (TiO ₂) and zinc oxide (ZnO) thin films: synthesis and characterization	W.HALIM, A.MOUMEN and S. OUASKIT	RNJCP8	Casablanca	Maroc	2015-12-21
7782	Synthesis of palladium nanoparticles stabilized by vinyl acetate-versatic vinyl ester copolymer under microwave-assisted polyol method	A.MOUMEN, W.HALIM, A. EDDAHBI, K. ABDERAFII and S. OUASKIT	5th ITMC	El jadida	Maroc	2015-05-05
7789	Deformability effects of the substrate potential on the diffusion process	Y. Lachtioui, A. Kotri, K. Saadouni, A. Eddiai, M. Mazroui, Y. Boughaleb	The 13th International Conference on Frontiers of Polymers and Advanced Materials	Marrakech	Maroc	2015-03-30
10483	Master equation approach to the complex specific heat at the glass transition	H.Jabraoui, S.Ouaskit, J.L.Garden, Y.Vaills, M.Achel	13th INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS & ADVANCED MATERIALS	Marrakech	Maroc	2015-04-02
10490	IMPROVING OF THE POWER RECOVERED BY THE EFFECT OF DIFFERENT SIGNALS OF	z.sabri, A.EDDIAI, M.MAZROI, AHAJJI, K.SAADOUNI, SBENHADOUGA,	13th INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS & ADVANCED	Marrakech	Maroc	2015-04-02

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	POLARIZATION USING ELECTROSTRICTIVE POLYMERS	Y.BOUGHALEB	MATERIALS			
10494	Synthesis of TiO ₂ nanoparticles by SOL GEL METHOD FOR USE IN Lithium ion batteries	W.NACHIT, S.TOUHTOUH, Z.RAMZI, M.ZBAIR, A.HAJJAJI, A.HAJJAJI,A.EDDIAI,K.BENKHOUSA	13th INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS & ADVANCED MATERIALS	Marrakech	Maroc	2015-04-02
10989	The simulation study by molecular dynamics for a strong sodium silicate glass: liquid and quenched supercooled states	H.Jabroui, E.M.Achhal, S.Ouaskit, J.L.Gardzn, Y.Vaills and A.Hasnaoui	5rd Edition of the International Conference on Intelligent Textiles & Mass Customisation ITMC'2015	Casablanca	Maroc	2015-11-04
10992	The thermal conductivity of nanofluids	E.ACHHAL,H.JABRAOUI,S.OUASKIT,A.HASSNAOUI,J-L GARDEN	5rd Edition of the International Conference on Intelligent Textiles & Mass Customisation ITMC'2015	Casablanca	Maroc	2015-11-04
10997	Influence of polarisation signals on the instantaneous electric power from to electro-active polymers	Z. Sabri, A. Eddiai, M. Meddad, M.Mazroui, A. Cherif	5rd International Congress on Physics of Radiation-Matter Interaction	El jadida	Maroc	2015-05-05
11004	EFFECT OF PERIODIC REMOISENT-PEYRARD POTENTIEL ON THE DIFFUSION PROCESS	Y. Lachtioui, A. Kotri, K.Sbiaai, A. Eddiai,K. Saadouni, M. Mazroui,	5rd International Congress on Physics of Radiation-Matter Interaction	El jadida	Maroc	2015-05-04

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
11052	NUCLEAR STRUCTURE STUDIES CLOSE TO SHLL CLOSE TO SHELL CLOSURE N=126 USING QUASIPARTICLE-PHONON PLUS ROTOR METHOD	Z.Housni,A.Kartouni,M.K.Jammari, J. Inchaouh,M.K.Jammari,A.Morsad,H. Chakir,O.Jdair, A.Khouaja,S.Boudhaim,M.L.Bouhssa,N.Harakat,and J.Dudek	5éme Congrès International de la Physique des Interaction Rayonnement-Matière	El jadida	Maroc	2015-05-05
11062	Implementation of a four-qubit quantum phase gate via cavity quantum electrodynamics	A.Chouikh,T.Said,K.Essammouni,and M.Bennai	5éme Congrès International de la Physique des Interaction Rayonnement-Matière	El jadida	Maroc	2015-05-05
11065	REALIZING THE N QUANTUM PHASE GATE WITH SUPERCONDUCTING QUBITS IN A CIRCUIT QUANTUM ELECTRODUNAMICS	K.Essammouni,T.Said,A.Chouikh,and M.Bennai	5éme Congrès International de la Physique des Interaction Rayonnement-Matière	El jadida	Maroc	2015-05-05
11070	A SCHEME FOR REALIZING A QUANTUM PHASE GATE IN A CAVITY QED WITH NEAREST QUBIT-QUBIT INTERACTION	T.Said and M.Bennai	5éme Congrès International de la Physique des Interaction Rayonnement-Matière	El jadida	Maroc	2015-05-05
11083	determination of the thermal conductivity of nanofluid Al2O3/H2O and CNT by Monte Carlo	Hicham Zerradi,Aouatif Dezairi,Said Ouaskit	la journée scientifique thematique internationale sur les Matériaux Avancés pour	Casablanca	Maroc	2014-06-18

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	Simulation		les Nouvelles Technologies			
11085	NEW MODEL FOR THE THERMAL CONDUCTIVITY OF NANOFLOUIDS	Hicham Zerradi, Said Ouaskit, Aouatif Dezairi, Hamid Loulijat, Sofia Mizani	la journée scientifique thématique internationale sur les Matériaux Avancés pour les Nouvelles Technologies	Casablanca	Maroc	2014-06-18
11089	contribution to the study of the dynamics of nanoplasma in plasma display	S.Mizani,A.Dezairi,H.Zerradi	13th INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS & ADVANCED MATERIALS	Marrakech	Maroc	2015-04-02
11098	kinetic phase transition for collective displacement of self-driven individuals	I.Tarras,M.Mazroui, and Y.Boughaleb	13th INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS & ADVANCED MATERIALS	Marrakech	Maroc	2015-04-02
11102	fabrication and characterization of mesoporous materials	M.ACHHAL,S.OUASKIT,A.GIBAUD,J.L GARDEN,Y.VAILLS,H,JABRAOUI	13th INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS & ADVANCED MATERIALS	Marrakech	Maroc	2015-04-02
12440	preparation of Nickel nanostructure using aqueous emulsion of copolymers	A.Moumen,W.Halim,K.Abderrafii,S.Ouaskit	5th Edition of the International conference	Marrakech	Maroc	2015-11-04

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
12441	Numerical study of the homo and hetero-adsorption and diffusion adatom on missing row reconstructed surfaces	I.Matrane,E.El Koraychy,K .Sbiaai,M.Mazroui,and Y.Boughaleb	5th Edition of the International conference	Marrakech	Maroc	2015-11-04
12442	TIO2 THE PROMISE OF NANOTECHNOLOGY FOR THE NEXT GENERATION OF LITHIUM-ION BATTERIES	W.Nachiti,S.Touhtouh,Z.R amzi,K.Benkhouaja,A.Eddiai	5th International Congress on physics of Radiation-Matter Interactions	Marrakech	Maroc	2015-05-05
12547	STRUCTURAL PROPERTIES AND GLASS TRANSITION IN SINGLE COMPONT METALLIC GLASSES:CASE OF Al	S.Trady,A.Hassnoui,K.Saadouni,M.Mazroui	5ème Congrès International de la Physique des Interaction Rayonnement-Matière	El Jadida	Maroc	2015-05-05
12614	Molecular dynamics studis of structural properties,of single-component metallic glasses of aluminum	S.Trady,A.Hassnoui,K.Saadouni,M.Mazroui	13th international conference on frontiers of polymers & advanced materials	Marrakech	Maroc	2015-04-29
12616	Multimodal vibration damping using Energy Transfer	A.CHRIF,M.MEDDAD,A.ED DIAI,A.HAJJAJI,M.MAZROUI	13th international conference on frontiers of polymers & advanced materials	Marrakech	Maroc	2015-04-29
12618	NEW PHYSICAL MODEL OF ENERGY HARVESTING FROM ELECTROSTRICTIVE	A.EDDIAI,M.MEDDAD,A.HAJJAJI,A.CHERIF,M.MAZROUI,B.BOUGHALEB,DGUYO MAR,B.SAHRAOUI	13th international conference on frontiers of polymers & advanced materials	Marrakech	Maroc	2015-04-29

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	POLYMERS					
12620	MAGNETOELECTRIC EFFECT IN COMPOSITE MATERIAL BASED ON ELECTROSTRICTIVE POLYMER (PU) AND MAGNETIC PARTICLES (Fe ₃ C)	BELHORA.F,MAZROUI.M,E L FATNANI.F.Z,HAJJAJI.ABOUGHALEB.Y,GUYOMAR.D	13th international conference on frontiers of polymers & advanced materials	Marrakech	Maroc	2015-04-29
12902	The thermal conductivity of nanofluids	H. Jabraoui, A. Hasnaoui, J-L. Garden. M. Peyrard, S. Ouaskit	INTERNATIONAL CONFERENCE ON INTELLIGENT TEXTILES	Marrakech	Maroc	2015-11-04
12906	The simulation study by molecular dynamics for a strong sodium silicate glass: liquid and quenched supercooled states (Talk)	H. Jabraoui, A. Hasnaoui, J-L. Garden. M. Peyrard, S. Ouaskit	INTERNATIONAL CONFERENCE ON INTELLIGENT TEXTILES	Marrakech	Maroc	2015-11-04
12908	Simulation and modeling of the aging phenomena in glassy state	H. Jabraoui, A. Hasnaoui, J-L. Garden. M. Peyrard, S. Ouaskit	INTERNATIONAL MEETING ON MATERIALS FOR ELECTRONIC APPLICATIONS	Marrakech	Maroc	2015-09-09
12914	Fabrication and Characterization the Mesoporous Thin Films	H. Jabraoui, A. Hasnaoui, J-L. Garden. M. Peyrard, S. Ouaskit	5th INTERNATIONAL CONGRESS ON PHYSICS OF RADIATION INTERNATIONAL	El Jadida	Maroc	2015-05-05
16521	Application of the experimental plan	Mina IDER, Kamal ABDERRAFI, Adil	Communication orale dans le Workshop	Fès	Marocco	2016-11-23

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	methodology in the preparation of silver nanoparticles encapsulated by the latex copolymer using the microwave heating method	EDDAHBI, Abdelhadi KASSIBA, Saïd OUASKIT	international : Third International Workshop on Soft Condensed Matter Physics and Biological Systems, Fès - Maroc, 23-24 Novembre 2016.			
17134	Alkaline-earth silicate glasses thermal and structural properties	Hicham Jabraoui;S.OUASKIT	2nd INTERNATIONAL CONFERENCE ON NANO MATERIALS: THEORY AND EXPERIMENTS	MARRAKECH	MOROCCO	2016-02-25
17135	Sodium Silicate Glasses Elastic and Structural Properties	Hicham Jabraoui;S.OUASKIT	THE FIRST INTERNATIONAL CONFERENCE ON SOLAR ENERGY AND MATERIALS,	MARRAKECH	MOROCCO	2016-03-21
17136	Sodium oxide effect on elastic and structural properties of silicate glass	Hicham Jabraoui;S.OUASKIT	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENERGY	Casablanca	MOROCCO	2016-04-28
17137	April 2016 Sodium oxide effect on elastic and structural properties of silicate glass	Hicham Jabraoui;S.OUASKIT	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENERGY	Casablanca	MOROCCO	2016-04-28
17138	Mechanical and thermal energy harvesting using smart materials	F.Z.El fatnani, F.Belhora, D.Guyomar M.Mazroui, Y.Boughaleb, A.Hajjaji	First International Conference on Solar Energy and Materials (ICSEMA)	MARRAKECH	MOROCCO	2016-03-21

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17139	THERMAL ENERGY HARVESTING USING PYROELECTRIC EFFECT	F.Z.El fatnani, M.Mazroui, D.Guyomar, F.Belhora, Y.Boughaleb	International meeting on Nano and smart materials for Renewable Energy,	Casablanca	MOROCCO	2016-04-28
17140	Optimization and improvement of thermal energy harvesting by using pyroelectric materials and Infrared rays	F. Z. El Fatnani, M. Mazroui, D. Guyomar, F. Belhora , Y. Boughaleb	Matériaux avancés : Applications et Devenir, Faculté Polydisciplinaire de Khouribga	Khouribga	MOROCCO	2016-06-02
17279	Fabrication and characterization of Ag@TiO ₂ nanoparticules	W.HALIM, A.MOUMEN and S. OUASKIT	Une communication dans la Conférence internationale : 2nd Nano-TN, Marrakech (Maroc),	MARRAKECH	MOROCCO	2016-02-25
17280	Photocatalytic degradation of methylene blue by Ag@TiO ₂ nanoparticules	W.HALIM, A.MOUMEN, Z.ELHAMDANIA and S. OUASKIT	Une communication dans la Réunion internationale : NASMARE'2016, Casablanca (Maroc)	Casablanca	MOROCCO	2016-04-28
17281	Synthesis of Pd nanoparticles and their catalytic application	A.MOUMEN, W.HALIM, K. ABDERAFII and S. OUASKIT	Une communication dans la Réunion internationale : NASMARE'2016, Casablanca (Maroc)	Casablanca	MOROCCO	2016-04-28
17283	Diffusion of Brownian interacting particles in a periodic Remoissenet-Peyrard potential	L. ARFA, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	Journée scientifique « Matériaux avancés : Applications et devenir » Faculté Poly-disciplinaire	Khourbga	MOROCCO	2016-06-02

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			de Khouribga			
17284	Influence of Substrate Potential Shape on the Diffusion of non-Interactive Brownian Particles	M. OUAHMANE, L. ARFA, L. EL ARROUM and Y. BOUGHALEB	Journée scientifique « Matériaux avancés : Applications et devenir » Faculté Poly-disciplinaire de Khouribga	Khourbga	MOROCCO	2016-06-02
17285	Brownian Diffusion in a Periodic Remoissant-Peyrard Potential	M. OUAHMANE, L. ARFA, L. EL ARROUM and Y. BOUGHALEB	Rencontre internationale sous thème " Nano and Smart Materials for Renewable Energy" (NASMARE 2016)	Casablanca	MOROCCO	2016-04-28
17286	Influence of deformed substrate potential on the diffusion of non-interacting Brownian particles	M. OUAHMANE, L. ARFA, L. EL ARROUM and Y. BOUGHALEB	1st International Conference on Theoretical and High Energy Physics @Casablanca, ICCTHP -2016	Casablanca	MOROCCO	2016-09-22
17287	Diffusion of Brownian interacting particles through a non-deformable substrate	L. ARFA, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	Conference ITMC'2015. The 5th International Conference on the Intelligent Textiles and the Mass Customization. From November 4th to 6th, 2015 at ESITH Casablanca & Marrakech.	MARRAKECH	MOROCCO	2016-01-01
17350	SIMULATION THE VISCOSITY OF NANO FLUID ARGON-COPPER	S.ZEROUAL , M.ACHHAL , H.LOULIJAT, S.OUASKIT	international meeting on nano and smart materials for renewable	Casablanca	MOROCCO	2016-04-28

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	BY DYNAMICS MOLECULAR		energy			
17351	EFFECTS OF TEMPERATURE AND PARTICLE SIZE ON THE EFFICENCY OF VISCOSITY OF NANOFLUIDS	S.ZEROUAL , M.ACHHAL , H.LOULIJAT, S.OUASKIT	jeunes chercheurs : un atout majeur face aux défis du demain	Casablanca	MOROCCO	2016-05-26
17353	Structural properties and glass transition in single component metallic glasses: case of Al	S. Trady, A. Hassanoui, K. Saadouni, M. Mazroui	the 5th International Congress on Physics of Radiation-Matter Interactions El Jadida	El Jadida	MOROCCO	2015-07-05
17355	Atomic structure of single-component metallic glasses of Nickel	S. Trady, A. Hassanoui, K. Saadouni, M. Mazroui	he 5th Edition of the International Conference on Intelligent Textiles and Mass Customisation Casablanca and Marrakesh	Casablanca	MOROCCO	2015-06-04
17356	The glass transition and atomic structure of Al metallic glasses studied by molecular dynamics simulations	S. Trady, M. Mazroui, A. Hassanoui, K. Saadouni,	la 8ème Rencontre Nationale des Jeunes Chercheurs en Physique Casablanca	Casablanca	MOROCCO	2015-12-21
17357	Molecular dynamics study of the glass transition and structural properties in single component metallic glasses	S. Trady, M. Mazroui, A. Hassanoui, K. Saadouni	the International Conference Nano-TN Marrakesh	MARRAKECH	MOROCCO	2016-02-25

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17358	Short-to medium range order of Ni monatomic metallic glasses studied by molecular dynamics simulations	S. Trady, M. Mazroui, A. Hassanoui, K. Saadouni	the International meeting on Nano and Smart Materials for Renewable Energy	Casablanca	MOROCCO	2016-04-28
17359	Molecular dynamics study of the vitrification of a monatomic metallic liquid	S. Trady, M. Mazroui, A. Hassanoui, K. Saadouni	journée scientifique sur les Matériaux avancés	Khouribga	MOROCCO	2016-06-02
17360	A molecular dynamic Study of the structural properties in Aluminum monoatomic metallic glass	M. KBIROU, S. TRADY, A. HASSNAOUI, M. MAZROUI	international meeting on nano and smart materials for renewable energy	Casablanca	MOROCCO	2016-04-28
17361	atomic arrangement of Aluminum monoatomic metallic glass by molecular simulations	M. KBIROU, S. TRADY, A. HASSNAOUI, M. MAZROUI	jeunes chercheurs : un atout majeur face aux défis du demain	Casablanca	MOROCCO	2016-05-26
17362	Molecular dynamics simulations of the local structure of Aluminum monoatomic metallic glass	M. KBIROU, S. TRADY, A. HASSNAOUI, M. MAZROUI	matériaux avancés : applications et devenir	Khourbga	MOROCCO	2016-06-02
17495	Simulation d'une expérience en Physique Nucléaire avec geant4	M.L. Bouhssa, A.Khouaja, A.Morsad, J.Inchaouh, H.Chakir, O.Jdair	8ème Rencontre National des Jeunes Chercheurs en Physique RNJCP	Casablanca	MOROCCO	2015-12-21

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17496	Optic study of mass separator for radioactives beams with Geant4	M.L. Bouhssa, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, S. Boudhaim, Z. Housni N. Harakat, O.Jdair, and A.kartouni	Les journées doctorales CPM	Rabat	MOROCCO	2015-05-11
17497	Optic studies for nuclear structure expirements with Geant4	M.L. Bouhssa, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, S. Boudhaim, Z. Housni, N. Harakat, O.Jdair, and A.kartouni	5th international congress on physics of Radiation interactions PIRM	El-jadida	MOROCCO	2015-05-05
17501	Matter distribution studies of exotic nuclei in the vicinity of closed shells N=20 and N=50	S. Boudhaim, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, M.L. Bouhssa, Z. Housni, N. Harakat, and M.Benjelloun	5th international congress on physics of Radiation interactions PIRM	El Jadida	MOROCCO	2015-05-05
17502	Study of photoneutrons dose around Linacs accelerators by various methods	M.Fiak, M.R.Mesradi, J. Inchaouh, A. Khouaja, J.Ghassoun, H. Chakir, S. Boudhaim, Z. Housni, M.L.Bouhssa, M.krim, A. Kartouni, H.Noura	2nd international congress on Cancer Beni Mellal (ICCBM)	Beni Mellal	MOROCCO	2016-05-19
17864	ENERGY HARVESTING BY ELECTRO-ACTIVE POLYMER	R.FARHAN., A.EDDIAI., M. MEDDAD., M.MAZROUI., M. RGUITI	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17865	THERMAL ENERGY HARVESTING THROUGH	Fatima Zahra EL FATNANI., Fouad	ICSEMA'16	MARRAKECH	MAROC	2016-04-30

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	INFRARED RADIATION AND PYROELECTRIC MATERIEL	BELHORA.,Daniel GUYOMAR.,M'hamed MAZROUI.,Abdelowahed HAJJAJI.,Yahia BOUGHALEB.,Zina SASSI				
17866	RELAXATION AND DIFFUSION OF AU AND PT ADATOMS ON IDEAL AND MISSING ROW RECONSTRUCTED SURFACES OF GOLD	H.Gounaya.,E.El koraychy.,K.Sbiaai.,M.Mazroui.,Y. Boughaleb	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17867	MOLECULAR DYNAMICS STUDY OF ADSORPTION AND HETERO-DIFFUSION OF COPPER SILVER AND GOLD ADATOMS ON THE (111)surfaces	A.Kotri.,E.El koraychy.,M. Mazroui.,Y.Boughaleb	ICSEMA'16	m	MAROC	2016-04-30
17868	MICROWAVE ASSISTED SYNTHESIS OF SILVER-LATEX COPOLYMER NANOCOMPOSITES:APPLICATION OF THE EXPERIMENTAL PLAN METHODOLOGY	Mina IDER.,Said OUASKIT.,Alain JOUANNEAUX.,Abdel hadi KASSIBA	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17869	HETERO-DIFFUSION OF SMALL CLUSTERS ON AN AU(110) SURFACE USING EMBEDDED ATOM	E.Elkoraychy.,M.Mazroui.,K.Sbiaai.,Y.Boughaleb.,R. Ferrando	ICSEMA'16	MARRAKECH	MAROC	2016-04-30

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	METHOD POTENTIALS					
17870	BROWNIAN DIFFUSION IN A TRIPLE-WELL POTENTIAL	L.Arfa.,M.Ouahmane.,L.El Arroum.,Y.Boughaleb	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17871	MOLECULAR DYNAMIC STUDY OF SINGLE-ADATOM DIFFUSION ON THE CLEAN UNRECONSTRUCTED AND RECONSTRUCTED (110)surfaces	I.Matrane.,E.Elkoraychy.,K.Sbiaai.,M.Mazroui.,Y.Bo ughaleb	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17872	CONTRIBUTION TOTHE STUDY OF THE TRANNSFER OF THE MATERIAL OF A MEMBRANE DISTILLATION SYSTEM:APPLICATION TO THE SESALINATION OF SEA WATER	S.ROCHD.,S.LAHLOU.,A.D EZAIRI	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17873	SODIUM SILICATE GLASSES ELASTIC AND STRUCTURAL PROPRETIES	H.Jabraoui.,E.M.Achhal.,JL .Garden.,A.Hasnaoui.,Y.V ails.,S.Ouaskit	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17874	NUMERICAL SIMULATIONS STUDY OF HEAT TRANSFER CHARACTERISTICS OF	S.MIZANI.,H.ZERRADI.,S.L ahlou.,A.DEZAIRI	ICSEMA'16	MARRAKECH	MAROC	2016-04-30

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	NANOFLUID					
17875	QUANTUM INFORMATION: DECOHERENCE	G.Kadim.,Z.Sakhi.,and M.Bennai	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17877	SURFACE PLASMONS SIMULATION APPLYING FDTD METHOD AND Z-TRANSFORM FOR DIFFERENT SHAPE	Sofiane Otman.,and Said Ouaskit	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17878	PIEZOELECTRIC GENERATOR HARVESTING KNEE VIBRATIONS ENERGY TO SUPPLY PORTABLE DEVICES	CHAKHCHAOUI.N.,ENNAM IRI.H.,HAJJAJI.A.,EDDIAI.A.,MEDDAD.M.,BOUGHLEB B.,Y	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17880	MOBILITY OF SINGLE ADATOMS CU,AU AND AG ON AU(111) AND AG (111) SURFACES	A.Kotri.,E.El koraychy.,M. Mazroui.,Y.Boughaleb	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17881	QUANTUM ENTANGLEMENT IN 1D EXTENDED HUBBARD MODEL	S.Harir.,M.Bennai.,and Y.Boughaleb	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17882	DIFFUSION OF BROWNIAN INTERACTING PARTICLES IN A DEFORMABLE SUBSTRATE	L.Arfa.,M.Ouahmane.,L.El Arroum.,Y.Boughaleb	ICSEMA'16	MARRAKECH	MAROC	2016-04-30

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17883	SIMULTANEOUS IMPLEMENTATION OF N ISWAP GATES USING N+1 QUBITS IN A CAVITY OR COUPLED TO A CIRCUIT	T.Said.,A.Chouikh.,and M.Bennai	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
17884	IMPLEMANTATION DE DEUX PORTES QUANTIQUES(ISWAP ET FREDKIN)DANS UNE CAVITE QED	A.Chouikh.,T.Said.,K.Essammouni.,and Bennai	ICSEMA'16	MARRAKECH	MAROC	2016-04-30
19669	Microstructural evolution of Co3Al metallic glass studied by molecular dynamics simulations	Kbirou meriem, M. Mazroui,	Matériaux Fonctionnels et leurs Applications Technologiques	CASABLANCA	maroc	2017-10-13
19672	: NUMERICAL AND EXPERIMENTAL STUDY OF THE THERMAL CONDUCTIVITY OF CU/ETHYLENE GLYCOL NANOFLUID	M.GOUNZARI, S.EZZEHOUANY, Z.EL HAMDANIA, A.MOUMEN, S.OUASKIT	1st INTERNATIONAL MATERIALS SCIENCE AND ENGINEERING FOR GREEN ENERGY CONFERENCE	IFERAN	maroc	2017-05-10
19673	NUMERICAL AND EXPERIMENTAL STUDY OF THE THERMAL CONDUCTIVITY OF NANOFLUIDS	M.GOUNZARI, S.EZZEHOUANY, Z.EL HAMDANIA, A.MOUMEN, S.OUASKIT	ADVANCED MATERIALS FOR PHOTONICS SENSING AND ENERGY APPLICATIONS	agadir	maroc	2017-03-28
22406	Magnetocaloric Effect and Magnetic refrigeration: analytical	Z. ElMaddahi, M.Y. El Hafidi , M. El Hafidi	Magnetic properties of spin chain assembly under the influence of an	CASABLANCA	MAROC	2017-10-13

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	and numerical study		external field			
27000	Propriétés thermodynamiques et magnétiques d'un nanotube à spins carrés	A. Farchakh and M. El HAFIDI	6ème Edition de la conférence Franco-6ème Edition de la conférence Franco-Maghrébine des Nanosciences 'CFMN2018', 19-21 Mars 2018 Maghrébine des Nanosciences 'CFMN2018', 19-21 Mars 2018	CASABLANCA	MAROC	2018-03-19
27001	MAGNETIC STUDY OF SQUARE SPIN $\frac{1}{2}$ NANOTUBE WITH THE TRANSFER MATRIX METHOD	A. Farchakh and M. El HAFIDI	International Conference on Advances in Energy Technologies, Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27009	Micromagnetic study of skyrmions emergence in CoFeB nanodisks	M.FATTOUHI, M.Y.El HAFIDI, M. El HAFIDI,	6ème Edition de la conférence Franco-Maghrébines des Nanosciences	CASABLANCA	MAROC	2018-03-19
27018	Magnetic and thermodynamic properties of a simple-wall hexagonal spin nanotube	Z.ELMADDAHI, M.Y.El HAFIDI, M. El HAFIDI	6ème Edition de la conférence Franco-Maghrébines des Nanosciences	CASABLANCA	MAROC	2018-03-19
27024	CONTRIBUTION TO THE STUDY WATER	L.SALAMA,R.MOULTIF,A.D EZAIRI	6ème Edition de la conférence Franco-	CASABLANCA	MAROC	2018-03-19

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	TREATMENT (DESALINATION) BY RENEWABLE ENERGY		Maghrébines des Nanosciences			
27274	THE SCALING LAW OF PERMIABILITY AND POROSITY OF POROUS MEDIA BASED ON A COMPLEX MODEL	Y.HARITI,A.HADER,I.ACHIK,R.BAKIR,H.SBIAAI,Y.BOUGHALEB	International Conference on Advences in Energy Technologies,Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27275	SCALING BEHAVIOR AND DYNAMICAL PROPRTIES OF SELF-PROPELLED PARTICLES IN BIOLOGICAL SYSTEMS:LANGEVIN EQUATION TREATMENT	L.AMALLAH,A.HADER,R.BAKIR,I.ACHIK,H.SBIAAI,Y. BOUGHALEB	International Conference on Advences in Energy Technologies,Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27278	AVALANCHE BREAKING IN COMPOSITE MATERIALS WITH RANDOMLY ORIENTED FIBERS	A.HADER,H.SBIAAI,R.BAKIR,I.ACHIK,J.HEDOUY,Y.BOUGHALEB	International Conference on Advences in Energy Technologies,Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27283	SCALING BEHAVIOR DIFFUSION AND CORRELATED PROCESS IN THE SELF PROPELLED PARTICLES:LANGEVIN EQUATION	I.ACHIK,R.BAKIR,A.HADER ,L.AMALLAH,A.ZOHAIR,M. MAZROUI,Y.BOUGHALEB	International Conference on Advences in Energy Technologies,Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13

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	INVESTIGATION					
27286	FIBERS ENERGY IN COMPOSITE MATERIALS WITH RANDOMLY ORIENTED FIBERS	S.BOUFASS,A.HADER,H.S BIAAI,I.ACHIK,Y.BOUGHAL EB	International Conference on Advances in Energy Technologies, Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27289	DIFFUSION PROCESS IN FAILURE PHEOMENON OF COMPOSITE MATERIALS WITH RANDOMLY ORIENTED FIBERS-FIBER BUNDLE MODEL STUDY	H.SBIAAI,A.HADER,R.BAKIR,I.ACHIK,S.BOUFASS,Y.B OUGHALEB,A.ABDILLAH	International Conference on Advances in Energy Technologies, Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27294	PRESSURE EFFECTS ON ATOMIC STRUCTURE OF NI15AL70 METALLIC GLASSES	M.KBIROU,A.HASNAOUI,M .MAZROUI	International Conference on Advances in Energy Technologies, Environmental Engineering and Materials Science, 13-14 December 2018	El Jadida	MAROC	2018-12-13
27297	Short and medium-range orders in Co3Al metallic glass	M.KBIROU,A.HASNAOUI,M .MAZROUI	6ème Edition de la conférence Franco-Maghrébines des Nanosciences	CASABLANCA	MAROC	2018-03-19
27323	Monte Carlo simulations of Mg(OH)2 target sputtering yields by noble-gas ion bombardment in plasma	M. El Marsi, R. Moulif, S. Lahlou, S. Rochd, A. Dezairi.	The 6th Edition de la conférence internationale Franco-Maghrébine des nanosciences 'CFMN2018' " organisé	casablanca	maroc	2018-03-19

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	display panel PDP		par le laboratoire de physique de la matière condensée à la faculté des sciences Ben M'sik			
27398	Mechanical and Dielectric properties of piezoelectric polymer composite for Electromechanic applications	R. Farhan, M. Rguiti, A. Eddiai, M. Mazroui, M. Meddad, and C. Courtois	Vième Edition de la conférence Internationale Franco-Maghrébine des Nanosciences CFMN	CASABLANCA	MAROC	2018-03-19
27401	OPTIMIZATION AND IMPROVEMENT OF THERMAL ENERGY HARVESTING BY USING PYROELECTRIC MATERIALS	F.Z.YACOUTI,F.Z.EL FATN ANI,A.EDDIAI,M.RGHUITI, M.MAZROUI,C.COURTOIS	Vième Edition de la conférence Internationale Franco-Maghrébine des Nanosciences CFMN	CASABLANCA	MAROC	2018-03-19
31878	NUCLEAR STRUCTURE OF LONG-LIVED ISOMER OF 217PA USING QPRM MODEL	M.MOUADIL,A.KHOUAJA,H .CHAKIR	PIRM -VI 2018	TANGER	MAROC	2018-05-07

*Communications nationales

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4959	Jump diffusion in the strong-collision model on a two-	E. El koraychy, M. Mazroui, R. Ferrando and Y. Boughaleb	la Conférence internationale : 12th International Conference	Errachidia	2013-10-30

ID	Intitulé	Auteurs	Conférence	Ville	Date
	dimensional triangular lattice		on Condensed Matter and Statistical Physics (ICCMSP)		
4960	Numerical study of relaxations and energetics considerations of adatom hetero-diffusion on surfaces (100) and (110) of Cu, Ag and Au"	E. El koraychy, M. Mazroui, R. Ferrando and Y. Boughaleb	la Conférence internationale : First International Workshop on Advanced Materials and Energy Applications	Meknes	2014-05-07
4962	Etude numérique de la diffusion des adatoms sur des surfaces métalliques (Cu, Ag et Au) et croissance des couches minces Etude numérique de la diffusion des adatoms sur des surfaces métalliques (Cu, Ag et Au) et croissance des couches minces	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la journée scientifique thématique internationale sur les Matériaux Avancés pour les Nouvelles Technologies, Laboratoire Physique de la Matière condensée	Casablanca	2014-06-18
4964	Relaxation et étude énergétique des métaux nobles (Cu, Ag et Au) dans les surfaces (100) et (110)	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la journée scientifique thématique internationale sur les Matériaux Avancés pour les Nouvelles Technologies, Laboratoire Physique de la Matière condensée	Casablanca	2014-06-18
4966	Atomic hetero-diffusion behaviors on (100) and (110) surfaces of Cu, Ag and Au	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la Conférence internationale : Functional Materials and their Technological Applications, Laboratory of Material Engineering and Bioscience,	Casablanca	2014-10-24

ID	Intitulé	Auteurs	Conférence	Ville	Date
			Ecole Normale Supérieure		
4975	Jump diffusion in the strong-collision model on one-dimensional deformable potential	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la Conférence internationale : 5th International Congress on Physics of Radiation-Matter Interactions	El jadida	2015-05-05
4977	Hetero-diffusion behavior of Ag adatom on perfect and imperfect Au(110) surface	A.Kotri, Y. Lachtioui, E. El koraychy & M. Mazroui	la Conférence internationale : 5th International Congress on Physics of Radiation-Matter Interactions	El Jadida	2015-05-05
4980	Numerical study of the Pt adatom diffusion on missing row reconstructed surfaces	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la conférence internationale : 13th International Conference on Frontiers of Polymers and Advanced Materials	Marrakech	2015-03-30
4982	Activation energies of hetero-hepitaxial systems: Ag/Au and Au/Ag on (110) surface	I.Matrane, E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb	la conférence internationale : 13th International Conference on Frontiers of Polymers and Advanced Materials	Marrakech	2015-03-30
4985	Jump diffusion in the strong-collision model on deformable substrate potential	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la journée scientifique : Journée scientifique intra-laboratoire, Laboratoire des sciences des matériaux, des milieux et de la modélisation, Faculté Polydisciplinaire	Khouribga	2015-03-03
4986	Jump diffusion in the strong-collision model on deformable substrate potential	I.Matrane, E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb	au Workshop Matériaux et Energétique : Workshop Matériaux et Energétique, L'école Nationale Supérieure	Casablanca	2015-05-21

ID	Intitulé	Auteurs	Conférence	Ville	Date
			d'Arts et Métiers		
4988	Molecular-Dynamics study of heterodiffusion on (100) and (110) surfaces of Cu, Ag, and Au	A.Kotri, E. Elkoraychy, Y. Lachtoui & M. Mazroui	journées doctorales CPM-2015 : Centre de Physique Mathématique, Faculté des Sciences-Université Mohamed V	Rabat	2015-06-11
4990	Hetero-diffusion behavior of Ag adatom on imperfect Au(110) surface	E. El koraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb and R. Ferrando	la 8ème Rencontre Nationale des Jeunes Chercheurs en Physique	Casablanca	2015-12-21
5552	Thermal Energy Harvesting Through Heat conduction and PZT Ceramic Buzzer (Poster)	F.Z.El fatnani, D.Guyomar, M.Mazroui, F.Belhora, Y.Boughaleb	5`eme Journée Nationale sur la Récupération et le Stockage d'Energie, Institut d'Electronique Fondamentale, 20 et 21 Mai 2015	Orsay	2015-05-20
5576	Improvement of Energy Harvesting Performance of Electrostrictive Polymers (Poster)	F.Z.El fatnani, D.Guyomar, M.Mazroui, F.Belhora, Y.Boughaleb	• First International Workshop on Advanced Materials and Energy Application, Faculté des Sciences, Université Moulay Ismail, 07 et 08 Mai 2014, , Maroc	Meknes	2014-05-07
11029	EVALUATION ET OPTIMISATION DE LA DOSE DELIVREE AUX PATINTS EN TOMODENDITOMETRIE A L'AIDE DE PLATEFORME (GEANT4/GATE)	M.MKIMEL,A.HILALI,M.R.MESRA DI,A.KHOUAJA,J.INCHAOUH,H.C HAKIR,N.HARAKAT,S.BOUDHAI M,Z.HOUSNI,M.L.BOUHASSA,A. KARTONI,S.STIMADE	Huitième Rencontre Nationale des Jeunes Chercheurs en physique	Casablanca	2015-12-21
11039	CALCUL DE DOSE DELIVRE AU	S.STIMAD,A.Khouaja, J.	Huitième Rencontre Nationale	Casablanca	2015-12-21

ID	Intitulé	Auteurs	Conférence	Ville	Date
	PATIENT EN RADIOLOGIE CONVENTIONNELLE A L'AIDE DU PLATEFORME (GEANT4/GATE)	Inchaouh, H. Chakir N.HARAKAT, S.BOUDHAIM, Z.HOUSNI, M.L.BOUHASSA, A.Kartouni, M.MKIMEL, A.HILALI, M.R.MESRADI	des Jeunes Chercheurs en physique		
12794	Atomic structure of single-component metallic glasses of Nickel	S.Trady , A.Hasnaoui, K.Saadouni and M.Mazroui	3ème forum du doctorant	Casablanca	2015-06-02
12897	Sodium oxide effect on elastic and structural properties of silicate glass (Talk),	H. Jabraoui, A. Hasnaoui, J-L. Garden. M. Peyrard, S. Ouaskit	8th NATIONAL MEETING OF YOUNG RESEARCHERS IN PHYSICS	Casablanca	2015-04-28
16322	MICROWAVE ASSISTED SYNTHESIS OF SILVER-LATEX COPOLYMER NANOCOMPOSITES: APPLICATION OF THE EXPERIMENTAL PLAN METHODOLOGY	MINA IDER, SAID OUASKIT, ALAIN JOUANNEAUX, ABDEL HADI KASSIBA	Communication orale dans la Conférence Internationale : First International Conference on Solar Energy and Materials (ICSEMA), Marrakech - Morocco 21-23 March, 2016	Marrakech	2016-03-21
16324	MICROWAVE-ASSISTED APPROACH FOR RAPID SYNTHESIS OF SILVER NANOPARTICLES USING LATEX AND THEIR ANTIBACTERIAL ACTIVITY	A. EDDAHBI, A. MOUMEN, M. IDER, S. OUASKIT, K. ABDERRAFI, A. DEZAIRI	Communication par Affiche lors de la 4ème Forum du Doctorant, sous le thème « Jeunes chercheurs : un atout majeur face aux défis de demain », organisé par le Réseau des Doctorants « RéDoc » le 26 Mai 2016 à la faculté des Sciences Ben M'sik	Casablanca	2016-05-26

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16326	Application of the experimental plan methodology in the preparation of silver nanoparticles encapsulated by the latex copolymer using the microwave heating method	Mina IDER, Kamal ABDERRAFI, Adil EDDAHBI, Abdelhadi KASSIBA, Saïd OUASKIT	Communication orale dans le Workshop international : Third International Workshop on Soft Condensed Matter Physics and Biological Systems, Fès - Maroc, 23-24 Novembre 2016.	Fès	2016-11-23
16333	MICROWAVE-ASSISTED APPROACH FOR RAPID SYNTHESIS OF SILVER NANOPARTICLES USING LATEX AND THEIR ANTIBACTERIAL ACTIVITY	A. EDDAHBI, A. MOUMEN, M. IDER, S. OUASKIT, K. ABDERRAFI, A. DEZAIRI	Communication par Affiche dans la Rencontre Internationale : International meeting on Nano and Smart Materials for Renewable Energy (NASMFRE) organisée par le Laboratoire de Physique de la Matière Condensée (LPMC) - département de Physique, le 28 et 29 Avril 2016 à la Faculté des Sciences Ben M'sik de l'Université Hassan II de Casablanca.	Casablanca	2016-04-29
16336	Hetero-diffusion of small clusters on an Au(110) surface using embedded atom method potentials	E. El koraychy, M. Mazroui, K. Sbiaai, Y. Boughaleb and R. Ferrando	Une communication orale dans la conférence internationale : the first international conference on solar energy and materials, Marrakech, Maroc du 21 au 23 Mars 2016.	Marrakech	2016-03-21
16337	Small clusters diffusion at high temperature on channeled metal surfaces	E. El koraychy, K. Sbiaai, M. Mazroui, R. Ferrando, M. Mazroui and Y. Boughaleb	Une communication orale à la journée internationale : Nano and Smart Materials for	Casablanca	2016-04-28

ID	Intitulé	Auteurs	Conférence	Ville	Date
			Renewable Energy, Casablanca, le 28 et 29 Avril 2016.		
16338	Jump diffusion in the strong collision model on a two dimensional triangular lattice	E. El koraychy, M. Mazroui, R. Ferrando and Y. Boughaleb	Une Communication par affiche dans le 4ème forum des Doctorants (2015-2016), sous le thème "Jeunes chercheurs : un atout majeur face aux défis de demain", FSBM, Casablanca.	Casablanca	2016-05-26
16339	Relaxation and diffusion barriers at step edges of Cu, Ag and Au Homo- and Heterodiffusion systems : case of (100) face	E. El koraychy, M. Benlattar, K. Sbiaai, M. Mazroui and Y. Boughaleb	Une communication par affiche à la journée scientifique sur les matériaux avancés : Applications et devenir, Khourbga, le 02 Juin 2016.	Khourbga	2016-06-02
17133	Simulation study by mains of molecular dynamics for silicate glass and potassium silicate glass	Hicham Jabraoui;S.OUASKIT	8th NATIONAL MEETING OF YOUNG RESEARCHERS IN PHYSICS	Casablanca	2015-12-23
17141	Thermal Energy Harvesting Through Pyroelectric effect and Heat	F. Z. El Fatnani, M. Mazroui, D. Guyomar, F. Belhora , Y. Boughaleb	Journée GDR Seeds, intitulée : Matériaux actifs et phénomènes couplés	Casablanca	2016-11-24
17288	Fokker-Planck dynamic in a periodic Remoissenet-Peyrard potential	M. OUAHMANE, L. ARFA, L. EL ARROUM and Y. BOUGHLEB	Rencontre Nationale des Jeunes Chercheurs en Physique (RNJCP8-2015).	Casablanca	2015-12-21
17289	Fokker Planck dynamic of	L. ARFA, M. OUAHMANE, L. EL	3ème Forum doctorant 2015,	Casablanca	2015-06-02

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	interactive Brownian particles in a non-deformable substrate	ARROUM and Y. BOUGHALEB	RéDoc		
17291	Fokker Planck dynamic of interactive Brownian particles in a non-deformable substrate	M. OUAHMANE, L. EL ARROUM	Les Journées Doctorales CPM-2016	Rabat	2016-05-26
17292	Brownian diffusion in a periodic potential	L. ARFA, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	Rencontre internationale sous thème " Nano and Smart Materials for Renewable Energy" (NASMARE 2016)	Casablanca	2016-04-28
17293	Brownian Diffusion in a triple well potential	L. ARFA, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	International conference, ICSEMA'16 Marrakech 21-23th march 2016	MARRAKECH	2016-03-21
17294	Diffusion of Brownian interacting particles in a deformed substrate	L. ARFA1, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	1st International Conference on Theoretical and High Energy Physics @Casablanca, ICCTHP -2016	Casablanca	2016-09-22
17295	Diffusion of interacting Brownian particles in a non-deformed substrate	L. ARFA, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	Rencontre Nationale des Jeunes Chercheurs en Physique (RNJCP8-2015).	Casablanca	2015-12-21
17296	Fokker Planck dynamic of interactive Brownian particles in a non-deformable substrate	L. ARFA, M. OUAHMANE, L. EL ARROUM and Y. BOUGHALEB	Les Journées Doctorales CPM-2015	Casablanca	2015-06-11
17297	Dynamique de Fokker-Planck dans un potentiel périodique de Remoissenet-Peyrard	M. OUAHMANE1,* , L. EL ARROUM1	Congres ICFM & TA, ENS-University Hassan II, Casablanca,	Casablanca	2014-10-25
17298	Dynamique de Fokker-Planck	M. OUAHMANE1, L. EL	La journée thématique	Casablanca	2014-06-18

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	dans un potentiel périodique de Remoissenet -Peyrard	ARROUM	internationale sur les matériaux avancée pour les nouvelles technologies,		
17354	Molecular dynamic simulation of single component metallic glasses: case of Al	S. Trady, A. Hassanoui, K. Saadouni, M. Mazroui	Forum du Doctorant Casablanca	Casablanca	2015-06-02
17500	Matter distribution studies of exotic nuclei in the vicinity of closed shells N=20 and N=50	S. Boudhaim, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, M.L. Bouhssa, Z. Housni, N. Harakat, and M.Benjelloun	journées doctorales CPM-2015, organisée par le centre de physique Mathématique	Rabat	2015-06-11
17503	Study of photoneutrons dose in biological tissues of a patient in radiation therapy treatments	M.Fiak, J. Inchaouh, A. Khouaja, J.Ghassoun, M.R. Mesradi, S. Boudhaim, H.Chakir, Z. Housni, M.L. Bouhssa, H.Noura and A.kartouni	8ème Rencontre Nationale des Jeunes Chercheur en Physique	Casablanca	2015-12-21
17504	Study of the dose distribution from photoneutrons around medical linear accelerators	M. Fiak, M.R.Mesradi, J. Inchaouh, A. Khouaja, J.Ghassoun, H. Chakir, S. Boudhaim, M.L.Bouhssa, H.Noura, A. Kartouni, Z. Housni, M.Krim, R.El baydaoui	2ème journées nationales de la recherche en sciences de la santé	Settat	2016-12-07
17543	Nuclear Structure studies close to shell closure N=126 using QPRM	Z. Housni, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, S. Boudhaim, M.L. Bouhssa, N.Harakat, O.Jdair, A. Kartouni, J. Dudek	journées doctorales CPM-2015, organisée par le centre de physique Mathématique	Casablanca	2015-06-11

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17544	Nuclear Structure studies close to shell closure N=126 using Quasiparticle Phonon Plus Rotor Method of heavy Nuclei within QPRM	Z. Housni, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, S. Boudhaim, M.L. Bouhssa, N. Harakat, O.Jdair, A. Kartouni, J. Dudek	6ème forum du doctorant, 02 juin 2015 , Casablanca, Maroc	Casablanca	2015-06-02
17575	Nuclear Structure studies close to shell closure N=126 using Quasiparticle Phonon Plus Rotor Method of heavy Nuclei within QPRM	Z. Housni, A. Khouaja, J. Inchaouh, A. Morsad, H. Chakir, S. Boudhaim, M.L. Bouhssa, N. Harakat, O.Jdair, A. Kartouni, J. Dudek	6ème forum du doctorant, 02 juin 2015 , Casablanca, Maroc	Casablanca	2015-06-02
17653	NUMERICAL STUDY OF THE PT ADATOM DIFFUSION ON MISSING ROW RECONSTRUCTED SURFACES	I.Matrane.,E. Elkoraychy., K.Sbiaai., M.Mazroui.,Y.Boughaleb	PIRM-V'2015	El jadida	2015-05-05
17654	STRUCTURAL PROPERTIES AND GLASS TRANSITION IN SINGLE COMPONENT METALLIC GLASSES:CASE OF Al	S.Trady.,A.Hasnaoui.,K.SaadouniM.,Mazroui	PIRM-V'2015	El jadida	2015-05-05
17655	SYNTHESIS OF PALLADIUM NANOPARTICLES STABILIZED BY VINYL ACETATE-VERSATIC VINYL ESTER COPOLYMER UNDER MICROWAVE-ASSISTED POLYOL METHOD	A.Moumen.,W.Halim.,A.Eddahbi.,K.Abderafii.,S.Ouaskit	PIRM-V'2015	El jadida	2015-05-05
17656	SYNTHESIS OF TiO2 AND ZnO THIN FILMS BY RADIO-FREQUENCY MAGNETRON	W.Halim.,A.Moumen., S.Ouaskit., N.Errien	PIRM-V'2015	El jadida	2015-05-05

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	SPUTTERING METHOD AND THEIR CHARACTERIZATION				
17657	FABRICATION AND CHARACTERIZATION THE MESOPOROUS THIN FILMS	E.Achhal.,H.Jabraoui.,S.Ouaskit.,A.Gibaud	PIRM-V'2015	El jadida	2015-05-05
17658	MASTER EQUATION APPROACH OF THE AGING GLASSES PHENOMENA	H.Jabraoui.,E.M.Achhal.,S.Ouas kit.,JL.GARDEN .,Y.Vaills	PIRM-V'2015	El jadida	2015-05-05
17659	The simulation study by molecular dynamics for a strong sodium silicate glass: liquid and quenched supercooled states	H.Jabraoui.,E.M.Achhal.,S.Ouas kit.,JL.Garden.,Y.Vaills.,and A.Hasnaoui	ITMC'2015	CASABLANCA	2015-11-04
17885	The thermal conductivity of nanofluids	E.ACHHAL,H.JABRAOUI.S.OUAS KIT,A.HASSNAOUI,J-L GARDEN	5rd Edition of International Conference ITMC	Marrakech	2015-01-01
19675	NUMERICAL AND EXPERIMENTAL STUDY OF THE THERMAL CONDUCTIVITY OF CUO/ETHYLENE GLYCOL NANOFLUID	M.GOUNZARI, S.EZZEHOUANY, Z.EL HAMDANIA, A.MOUMEN, S.OUASKIT	2ÈME RENCONTRE NATIONALE SUR LES PHOSPHATES, MATÉRIAUX ET ENVIRONNEMENT	CASABLANCA	2017-12-19
25091	ID= 145 Magnetocaloric properties of ferromagnetic spin systems and anisotropy effects	A.Boubekri, M.El Hafidi	1st INTERNATIONAL MATERIALS SCIENCE AND ENGINEERING FOR GREEN ENERGY CONFERENCE	ifran	2017-05-12
27004	Theoretical study of the magnetic aspects of square	A. Farchakh and M. El HAFIDI	IV ème édition des Journées Nationales Des Doctorants Et	RABAT	2018-01-01

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	spin ½ nanotubes within the transfer approach		Des Jeunes Chercheurs		
27016	frustration study in hexagonal single-wall spin-1 nanotube	Z.ELMADDAHI, M.Y.El HAFIDI, M. El HAFIDI	9ème Rencontre Nationale des Jeunes Chercheurs en Physique, 27-29 décembre 2018,	CASABLANCA	2018-12-27
27022	STRUCTURAL AND MECHANICAL PROPERTIES OF MGO/CAO SODIUM ALUMINOSILICATE GLASSES :MOLECULAR DYNAMICS STUDY	K.EL GHAZAOUY,E.GHARDI,A.D EZAIRI,S.OUASKIT	9ème Rencontre Nationale des Jeunes Chercheurs en Physique, 27-29 décembre 2018,	CASABLANCA	2018-12-27
27023	STUDY OF WATER TREATMENT BY NRENEWABLE ENERGY	L.SALAMA,R.MOULTIF,A.DEZAI RI	9ème Rencontre Nationale des Jeunes Chercheurs en Physique, 27-29 décembre 2018,	CASABLANCA	2018-12-27
27300	« Atomic structure of Ni 15 Co 15 Al 70 Metallic glasses: A molecular dynamics study »	M.KBIROU,A.HASNAOUI,M.MAZ ROUI	9ème Rencontre Nationale des Jeunes Chercheurs en Physique, 27-29 décembre 2018,	CASABLANCA	2018-12-27
27399	Novel ceramic-polyamide nanocomposites approach to make flexible film of PZT ceramics: Structural and Electrical study	R. Farhan, M. Rguiti, A. Eddiai, M. Mazroui, M. Meddad, and C. Courtois	9ème édition de la Rencontre Nationale Jeunes Chercheurs en Physique RNJCP	CASABLANCA	2018-12-28
28403	Etude de L'endommagement des éprouvettes en	F.SABAH 1 , A. En-naji 2 , A.WAHID 1 , N.Fatima ezzahra	1 er Congrès de Mécanique-Matériaux-Energie(MME)	OUDJA	2018-07-10

ID	Intitulé	Auteurs	Conférence	Ville	Date
	Acrylonitrile Butadiène Styrene (ABS), soumises à un Essai de traction	1 and M. El Ghorba 2 ; H.CHAKIR			
28405	Etude de L'endommagement des éprouvettes en Acrylonitrile Butadiène Styrene (ABS), soumises à un Essai de traction	F.SABAH1, A. En-naji 2, A.WAHID1, and M. El Ghorba2; H.CHAKIR1	10 EME EDITION JET	MARRAKECH	2018-05-02
28407	Estimation des courbes de Wöhler d'un câble métallique à différentes échelles	A.WAHID 1,2* , N.MOUHIB 3 , K.KARTOUNI 2 , H.CHAKIR 2 ,M.ELGHORBA	1 er Congrès de Mécanique- Matériaux-Energie(MME)	OUDJA	2018-07-10
28409	Analytical model of reliability damage to metal hoisting ropes	A. WAHID 1,2* , N.MOUHIB 2 ,F.SABAH 2,1 ,M.EL GHORBA 2 ,H.CHAKIR 1	PIRM -VI 2018	TANGER	2018-05-07
31879	QUASIPARTICLE COUPLING PLUS ROTOR MODEL FOR LOW-LYING STATES OF N=124 ISOTONES	M.MOUADIL,A.KHOUAJA,H.CHA KIR	9ème Rencontre Nationale des Jeunes Chercheurs en Physique, 27-29 décembre 2018,	CASABLANCA	2018-12-27

*Ouvrages

ID	Intitulé	Auteurs	Editeur	Date
8670	Tome3: Mécanique, G.électrique, Automatique, Instrumentation	M.Moussetad, R.Adhiri, S.Ouaskit	Tempus eScience	2015

*Chapitres d'ouvrage

ID	Intitulé chapitre	Auteurs	Ouvrage	Editeur	Date
8699	Functionalization of specific electrostrictive polymers for high power Harvesting	Bouchta Sahraoui, Adil Eddiai, Mounir Meddad, Daniel Guyomar, Abdelowahed Hjjaji, Yahia Boughaleb, KHalil Benkhouja	Innovative Materials and Systems for Energy Harvesting Applications	ENGINEERING SCIENCE REFERENCE	2015

*Brevets

ID	Intitulé	Auteurs	Contexte	Champs d'application	Date
5814	PROCEDE D'ELABORATION DE NANO PARTICULES ASSISTEE PAR MICRO-ONDES METALLIQUE DAN UNE EMULSION ACQUEUSE	M. EL Hafidi DEZAIRI AOUATIF L. El Arroum Elhaitmy ouafae Ouaskit Said	N	PROCEDE D'ELABORATION DE NANO PARTICULES ASSISTEE PAR MICRO-ONDES METALLIQUE DAN UNE EMULSION ACQUEU	2012-12-05

*Prix et distinctions

ID	Intitulé	Auteurs	Evénement	Organisme	Date
24424	Etude par dynamique moléculaire des propriétés structurales thermodynamiques et	hicham jabraoui, s.ouaskit	thèse	université hassan 2 casablanca	2017-06-30

ID	Intitulé	Auteurs	Evénement	Organisme	Date
	mécaniques des verres binaires silicatés d'Alcalins				

***Thèses en cours**

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
3456	Boubekri Abderrazzak	Réfrigération magnétique	M. EL Hafidi	2015
3457	Labyad Youssef	Matériaux magnétiques pour la spintronique	M.Y. El Hafidi	2016
3504	Imane MATRANE	Simulation de la croissance des couches minces	M. Mazroui	2015
3505	Soukaina ZEROUAL	L'étude d'effet de couplage entre viscosité et conductivité thermique des nanofluides par la dynamique moléculaire	Ouaskit Said	2016
3506	Rida FARHAN	Récupération d'énergie par matériaux électro-actifs pour des systèmes autonomes	M. Mazroui	2016
3507	Meryem KBIROU	Étude des propriétés structurales des verres métalliques	M. Mazroui	2016
3508	Driss FARSAL	Comportement critique d'un système des spins	M. Bennai	2015
3509	Conception, modélisation et simulation d'un panneau solaire thermoélectrique	Zineb EL HAMDANIA	Ouaskit Said	2016

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
3511	Ghizlane KADIM	Simulation du modèle JHC en circuit QED	M. Bennai	2016
3512	Salma TRADY	Étude des propriétés structurales des verres métalliques	M. Mazroui	2015
3513	KOTRI Abdellatif	La diffusion des particules classiques dans un milieu périodique	M. Mazroui	2014
3514	ROCHD Sanaa	Dessalement de l'eau de mer	DEZAIRI AOUATIF	2016
3837	Saad EZZEHOUANY	influence du type de nanoparticule sur les propriétés physico-chimique des nano fluides	Ouaskit Said	2017
517	EL KORAYCHY El yakout	Etude numérique de la diffusion des adatoms sur des surfaces métalliques (Cu, Ag, Au) et croissance des couches minces.	M. Mazroui	2013
647	EL FATNANI Fatima Zahra	Récupération d'énergie thermique par des matériaux pyroélectrique	M. Mazroui	2014
703	abdelhadi kotri	la diffusion des particules classique dans un milieu périodique	M. Mazroui	2014
1248	MOUMEN Abdessamad	Elaboration et caractérisation des systèmes nano fluide à base des nanoparticules métallique	Ouaskit Said	2015
1249	HALIM Wafae	Fonctionnalisation des nanotubes de carbone par des molécules d'intérêt biochimique: Application aux capteurs chimiques et/ou biologiques	Ouaskit Said	2015
2740	TRADY Salma	Propriétés structurales des verres métalliques (Al, Cu,....)	M. Mazroui	2015

***Thèses soutenues**

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
4627	BENDAOUF FADILI	Apport de la technique géoradar pour la caractérisation non destructive de la durabilité du béton et de la chaussée	H. Chakir	2011	2015-06-06
3441	T. Said	Modélisation des systèmes de traitement de l'information quantique	M. Bennai	2011	2016-11-18
377	Y.Lachtioui	Effets de commensurabilités et de corrélations sur le processus de diffusion dans une structure à marches unidimensionnelle	M. Mazroui	2009	2013-12-28
5214	SALMA TRADY	ETUDE DES PROPRIETES STRUCTURALES DES VERRES METALLIQUES A BASE D'ALUMINIUM	M. Mazroui	2014	2018-07-17
3442	A. Chouikh	Implémentation des algorithmes quantiques via l'électrodynamique quantique en cavité	M. Bennai	2011	2016-11-09
378	F. Belhora	Couplage multiphysique à l'aide d'un électret : Application à la récupération d'énergie	M. Mazroui	2009	2013-12-07
5215	IMANE MATRANE	ETUDE DE LA DIFFUSION T DE L'ADSORPTION SUR DES SURFACES METALLIQUES MOYENNANT LES APPROCHES DE DFT ET EAM	M. Mazroui	2014	2018-10-27

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379	I. Tarras	Modélisation et simulation des mouvements collectifs des particules auto-organisées	M. Mazroui	2010	2014-11-01
5321	SOFIANE Otman	Modélisation et simulation par FDTD de la propagation des ondes électromagnétiques et acoustiques dans les milieux dispersifs	Ouaskit Said	2014	2018-04-07
380	A. Safsafi	Contribution à l'étude des modèles d'inflation cosmique à Hautes Énergies en relation avec les données expérimentales du Satellite WMAP	M. Bennai	2009	2013-06-29
5322	SOUFIYA MIZANI	CONTRIBUTION A L'ETUDE DES PERFORMANCES DES NANOFUIDES DANS LE TRANSFERT THERMIQUE :SIMULATION DANS LES CAS ELLIPTIQUE MATRICE CYLINDRIQUE AIRFOIL	DEZAIRI AOUATIF	2013	2018-11-14
381	A. Zouhair	Etudes des propriétés électroniques et magnétiques du modèle de Hubbard étendu :Aspects structuraux et expérimentaux du Nano-graphène	M. Bennai	2010	2014-05-24
5373	KOTRI Abdelhadi	Etude des propriétés de la diffusion surfacique moyennant les approches de BGK & EAM	M. Mazroui	2014	2018-07-14
382	M. Snina	Etude numérique de l'effet de la	M. Bennai	2009	2014-06-14

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		transition de phase sur la diffusion surfacique			
388	M. Naciri	Étude de l'inflation Branane dans le Modèle Standard Supersymétrique Minimal en relation avec les données Observationnelles	M. Bennai	2009	2014-05-24
5716	KARIMA ESSAMMOUNI	TRAITEMENT DE L'INFORMATION QUANTIQUE DANS LES NANO CIRCUITS A BASE DES JONCTIONS JOSEPHSON	M. Bennai	2012	2018-05-08
389	M. Ferricha-alami	Potentiel de Kähler dans les modèles supersymétriques branaires	H. Chakir	2009	2015-04-04
390	J. LOUAFI	Modélisation des interactions du plasma avec les parois internes d'un réacteur à fusion	DEZAIRI AOUATIF	2008	2013-12-27
391	Bendaoud FADILI	Apport de la technique géoradar pour la caractérisation de la durabilité des structures en béton armé et modélisation de la propagation des ondes électromagnétique par F.DT.D	H. Chakir	2011	2013-06-06
392	S. LAHOUAICHI	Modélisation et Simulation de l'érosion des parois métalliques d'un réacteur à fusion	DEZAIRI AOUATIF	2011	2015-12-19
393	H. ZERRADI	Modélisation de la conductivité thermique des nanofluides	DEZAIRI AOUATIF	2010	2014-12-27

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412	Mohamed TABTI	transition de phases dans les systèmes finis application aux agrégats d'argon et d'hydrogène	Ouaskit Said	2009	2014-06-21
413	ADIL EDDAHBI	Synthèse des nanoparticules métalliques assistée par microonde dans une matrice de copolymère en émulsion aqueuse	Ouaskit Said	2008	2014-07-26
414	MOULTIF Rachida	contribution à l'étude du transport collisionnel dans un plasma chaud suivant deux approches : La Théorie cinétique et la Thermodynamique Irréversible Étendue	DEZAIRI AOUATIF	2010	2014-12-19
4556	El yakout EL KORAYCHY	Etude dynamique moléculaire de la diffusion sur les surfaces métalliques : cas des systèmes hétérogènes	M. Mazroui	2012	2017-02-04
4558	Fatima Zahra EL FATNANI	Récupération d'énergie issue des variations temporelles de la température par effet pyroélectrique	M. Mazroui	2013	2017-10-04
4561	Hicham JABRAOUI	Etude par dynamique moléculaire des propriétés structurales thermodynamiques et mécaniques des verres binaires silicatés d'Alcalins	Ouaskit Said	2014	2017-06-30
4563	Mina IDER	Elaboration et caractérisation des nanomatériaux à base de métaux nobles	Ouaskit Said	2012	2017-07-22

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4564	Hayat MOUJRI	Etude des propriétés structurales, élastiques, électroniques et magnétiques de l'oxyde de Zinc dopé par le Nickel	Ouaskit Said	2011	2017-10-14