



**Production scientifique  
2012-2015  
Laboratoire bio-géosciences et ingénierie des matériaux**

**\* Projets internationaux financés**

ID	Intitulé	Responsable	Année
284	Propriétés optiques non linéaires de complexes organiques et organométalliques hautement conjugué en vue d'application dans des dispositifs optoélectroniques	Yahia boughaleb	2015

**\*Publications indexées**

ID	Intitulé	Année	Journal	Auteurs
1708	Energetics and heterodiffusion of Cu on Ag(110) stepped surfaces	2015	Surface and Interface Analysis	K. Sbiaai, E. Elkoraychy, M. Mazroui, Y. Boughaleb and I. Matrane

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1711	Numerical study of hetero-adsorption and diffusion on (100) and (110) surfaces of Cu, Ag and Au	2015	Surface Science	E. Elkoraychy, K. Sbiaai, M. Mazroui, Y. Boughaleb, R. Ferrando
1721	Primary vs. secondary fold curvature: deciphering the origin of the Aït Attab syncline (Moroccan High Atlas) using paleomagnetic data	2015	Journal of Structural Geology	Bennacer Moussaid, Juan J Villalaín, Antonio M Casas-Sainz, Hmidou El Ouardi, Belén Oliva-Urcia, Ruth Soto, Teresa Román-Berdiel, and Sara Torres-López
1727	The Optimization of the Energy Harvested by the Effect of Strain and Frequency on an Electrostrictive Polymer Composite	2014	Synthetic Metals	M. Meddad, A. Eddiai, A. Hajjaji, Y. Boughaleb, D. Guyomar, M Fliyou
1731	Jump diffusion in the strong-collision model on a twodimensional triangular lattice	2014	Chemical Physicals Lettres	E.Elkoraychy, M.Mazroui, R.Ferrando, Y. Boughaleb
1741	Characterization of the failure process in composite materials by the Fiber Bundle Model	2014	Superlattices and Microstrucures	A.Hader, I.Achik, A.Lahyani, Y. Boughaleb and al.
1752	Model of piezoelectric self powered supply for wearable devices	2014	Superlattices and Microstrucures	M.Meddad, A.Eddiai, A.Cherif, Y. Boughaleb and al.
1755	Spin-spin interaction effect in 2D Extended Hubbard Model	2014	Superlattices and Microstrucures	A.Zouhair, S. Harir, M. Bennai, Y. Boughaleb and al "
1775	Removal of 2,4-D from aqueous solutions by adsorption processes using two biopolymers: chitin and chitosan and their optical properties	2014	Optical Materials	H.El Harmoudi, L. El Gaini, E.Daoudi, Y. Boughaleb and al.

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1784	Scaling behavior and morphological properties of the interfaces obtained by the multilayer deposition process	2013	Thin Solid Films	I. Achik, Y. Boughaleb, A. Hader, K. Sbiaai, A. Hajjaji
1790	Mechano-electrical conversion for harvesting energy with hybridization of electrostrictive polymers and electrets	2013	Sensors and Actuators A: Physical	F. Belhora, P. J. Cottinet, A. Hajjaji, D. Guyomar, M. Mazroui, L. Lebrun, Y. Boughaleb
1791	Modeling of alkyl quaternary ammonium cations intercalated into montmorillonite lattice	2013	Materials Research Bulletin	El Mehdi Daoudi, Yahia Boughaleb, Layla El Gaini, Irina Meghea, Mina Bakasse
1793	Influence of Ca <sup>2+</sup> doped on structural and optical properties of RPO <sub>4</sub> (R= Ce <sup>3+</sup> , Nd <sup>3+</sup> and Pr <sup>3+</sup> ) compounds	2013	Optical Materials,	- E. M. Lemdek, K. Benkhouja, S. Touhtouh, K. Sbiaai, A. Arbaoui, M. Bakasse, A. Hajjaji, Y. Boughaleb and R. Saez-Puche :
1795	Adaptive control of stiffness by electroactive polyurethane	2013	Sensor and Actuators A:Physical	K. Yuse, D. Guyomar, D. Audigier, A. Eddiai, M. Meddad, and Y. Boughaleb
1820	Numerical simulation study of the charge density wave dynamic properties in the one-dimensional systems	2013	Optical Materials	A. Arbaoui, N. Habiballah, M. Qjani, K. Sbiaai, A. Hajjaji, Y. Boughaleb, K. Benkhouja, M. Bakasse
1822	A new technique for maximizing the energy harvested using electrostrictive polymer composite	2014	Optical Materials	Adil Eddiai, Mounir Meddad, Khalid Sbiaai, Yahia Boughaleb, Abdelwahed Hajjaji, Daniel Guyomar
1823	Failure kinetic and scaling behavior of the composite materials: fiber bundle model with the local load-sharing rule	2014	Optical Materials	A. Hader, Y. Boughaleb, I. Achik, K. Sbiaai

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	(LLS)			
1824	Synthesis, Crystal structure, and vibrational properties of bis ( 4 -benzyl pyridinium) pentachlorobismuthate(III)	2012	Polyhedron	H.Khili, N.Chaari, ,M. Fliyou, A. Koumina and S. Chaabouni
1826	Stability of tetragonal $\square 0 0 1 \square$ oriented PZN-12PT single crystals	2012	Optical Materials	S. Touhtouh, A. Hajjaji, Y. Boughaleb, K. Benkhouja, A. Arbaoui, M. Rguiti, D. Guyomar
1829	The ordering islands growth kinetics during self-assembled monolayer fomation	2012	Optical Materials	A Hader, I Achik, A Hajjaji, Y Boughaleb
1832	Enhancement of electrostrictive polymer efficiency for energy harvesting with cellular polypropylene electrets	2012	Synthetic Metals	- A. Eddiai, M. Meddad, D. Guyomar, A. Hajjaji, Y. Boughaleb, and B. Sahraoui
1833	Hybridization of electrostrictive polymers and electrets for mechanical energy harvesting	2012	Sensors and Actuators A: Physical	F. Belhora, P-J. Cottinet, D. Guyomar, L. Lebrun, A. Hajjaji, M. Mazroui and Y. Boughaleb
1849	Local magnetic properties of L x L square lattice with an Extended Hubbard Model	2014	Optical and Quantum Electronics	- A.Zouhair, S. Harir, M. Bennai, Y. Boughaleb and al
1852	Thickness effects of acutret and polymer for energy harvesting case of CYTOP-CTLM and Polyurethane	2015	European Physical Journal PLUS	- F. Belhora, D. Guyomar, M. Mazroui, A. Hajjaji, Y. Boughaleb
1854	Multimodal vibration damping of a smart beam structure using modal	2015	Nonlinear Optics, Quantum Optics	- A. Chérif • C. Richard • D. Guyomar • M. Meddad • A. Eddiai • Y.

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	SSDI-Max technique			Boughaleb • A. Migalska-Zalas • A. Zawadzka • A. Hajjaji • B. Sahraoui •
1856	Tectonic fabrics vs. mineralogy artifacts in AMS analysis: case study of the Western Morocco extensional Triassic basins (High Atlas)	2015	Journal of Geodynamics	- Belen Oliva-Urcia, Antonio M Casas, Juan J Villalaín, Bennacer Moussaid, Hmidou El-Ouardi, Ruth Soto, Sara Torres, Teresa Román-Berdiel
1858	Pre-Cenomanian versus Cenozoic folding in the High Atlas revealed by paleomagnetic data	2015	Terra Nova	- Sara Torres-López , Antonio M. Casas , Juan José Villalaín, Hamidou El Ouardi , Bennacer Moussaid
1893	Combination of electrostrictive polymers composites and electrets for energy harvesting capability	2014	Polymers for Advanced Technologies	- F. Belhora, A. Hajjaji, M. -Q. Le, M. Mazroui, D. Guyomar, Y. Boughaleb, S. Touhtouh and L. Lebrun
1900	New development on advanced materials for photonics, sensing and energy application	2014	Optical And Quantum Electronics	- Bouchta Sahraoui, Yahia Boughaleb, Anna Zawadzka, Asli Karakas
1906	Experimental study of linear and non linear optical properties of thin graphene layers	2014	Optoelectronics and Advanced Materials	- A Zouhair, S Harir, M Bennai, K Abderrafi, A Migalska-Zalas, Y Boughaleb
1911	Third order nonlinear optical properties of oligophenylene dyads by open-aperture Z-scan technique	2014	Optical And Quantum Electronics	- I. Guezzuez, M. Hjiri, A. Haj Said, Y. Boughaleb, H. Belmabrouk.
1915	Diffusion processes of trimers on missing row surfaces Cus/Ag(110) and Cu(110)	2013	Optical And Quantum Electronics	- Khalid Sbiaai, Adil Eddiai, Yahia Boughaleb, M'hammed Mazroui, Jean-Yves Raty, Mounir Meddad, and Abdelkader Kara
1917	Diffusion of interacting Brownian	2013	Optical And Quantum Electronics	- Youssef Lachtoui, M'hammed

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	particles on non-regularly spaced stepped structures			Mazroui, Yahia Boughaleb,
1919	Two-photon third-order nonlinear optical characterization of pyrrolo-tetrathiafulvalene absorption and derivatives	2014	Optical And Quantum Electronics	- A. Karakas, T. Dag, H. El Ouazzani, K. Sbiaai, Y. Boughaleb
1922	Model of piezoelectric self powered supply for wearable devices	2014	Superlattices and Microstructures	- M. Meddad, A. Eddiai, A. Cherif, Y. Boughaleb and al.
1923	Preamble: new development on advanced materials for photonics, sensing and energy applications	2014	Optical And Quantum Electronics	- B. Sahraoui, Y. Boughaleb, Zawadzka, Anna and al.
1925	Widespread Cretaceous secondary magnetization in the High Atlas (Morocco). A common origin for the Cretaceous remagnetizations in the western Tethys?	2014	Journal Geological Society of London doi	- S. Torres, J.J. Villalaín, A. Casas, H. El Ouardi, B. Moussaid, V.C. Ruiz-Martínez
1927	Metal ion dependence of DNA cleavage by Sep MI and EhoI restriction endonucleases.	2013	Microbiological Research	Belkebir A, Azeddoug H.
1981	Evaluation by fast Fourier transforms analysis of energy harvesting in electrostrictive polymers driven by an electric field and a mechanical excitation	2012	Journal of Intelligent Material Systems and Structures	M. Meddad, A. Eddiai, D. Guyomar, S. Belkhiat, A. Hajjaji, K. Yuse, Y. Boughaleb
1982	Collective behavior of interacting particles: radius-dependent phase	2013	Mod. Phys. Lett	I. Tarras, N. Moussa, M. Mazroui, Y. Boughaleb, A. Hajjaji

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	transition			
1983	Optimization of energy harvesting conversion using the hybridization of electrostrictive polymers and electrets	2013	Sensors and Actuators A: Physical	F. Belhora, P-J. Cottinet, D. Guyomar, L. Petit, L. Lebrun, A. Hajjaji, M. Mazroui, Y. Boughaleb
1984	Diffusion of Cu trimer on Ag(110) (1×2) missing row surface studied with Molecular dynamic simulation.	2013	Optical and Quantum Electronics	Khalid Sbiaai, Adil Eddiai, Yahia Boughaleb, M'hammed Mazroui, Jean-Yves Raty
1985	Ag Adatom And Dimer Motion On Cu(110)(1×2) Missing Row Surface	2014	Optical Materials	Khalid Sbiaai, Eddiai Adil, Yahia Boughaleb, M'hammed Mazroui and Abdelkader Kara
1986	Dynamics of Cu monomer, dimer and trimer on Ag (110) (2×1) missing row surface	2013	Surface and interface Analysis	Khalid Sbiaai, Yahia Boughaleb, M'hammed Mazroui, Abdelkader Kara
1988	Mound morphology and growth dynamic of the wedding cake interfaces	2013	Optical and Quantum Electronics	A. Hader, I. Achik, K. Sbiaai, Y. Boughaleb
1989	Numerical simulation study of the charge density wave dynamic properties in the one-dimensional systems	2013	Optical Materials	A. Arbaoui, N. Habiballah, M. Qjani, K. Sbiaai, A. Hajjaji, Y. Boughaleb, K. Benkhouja, M. Bakasse
1990	Neighboring Interaction Effect on Surface Diffusion using Monte Carlo Simulation	2013	J. Optoelectron. Adv. Mat	M. Snina, M. Bennai and Y. Boughaleb
1991	Third Order Nonlinear Optical properties of Oligophenylene Dyads	2013	Opt. Quantum Elect	I Guezguez, M. Hjiri, A. Haj Said, Y Boughaleb and H. Belmabrouk

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	by Open-aperture Z-Scan technique			
1992	Lowest of AC-DC Power Output for Electrostrictive Polymers Energy Harvesting Systems	2013	Optical Materials	M. Meddad, A. Eddiai, A. Hajjaji, D. Guyomar, S. Belkhiat, Y. Boughaleb, A. Chérif
1993	Failure kinetic and Scaling behavior of the composite materials: the local load-sharing rule (LLS)	2013	Optical Materials	A. Hader, Y. Boughaleb, I. Achik, K. Sbiaai and A. Hajjaji
1994	Frequency-dependent conductivity of Brownian particles in bistable and metastable structure	2013	Journal of Optoelectronics and Advanced Materials	Y. Lachtioui, K. Saadouni, M. Mazroui, K. Sbiaai and Y. Boughaleb
1995	Removal of heavy-metal ion by adsorption on chitosan gel beads	2013	Journal of Optoelectronics and Advanced Materials	E. Lemrabet , K. Jaafari , K. Benkhouja, M. Touaiher , M. Bakasse, B. Sahraoui, S. Tahiri , Y. Boughaleb and A. Soufiáne
1996	Growth mode and diffusion processes on heterogeneous stepped metal surfaces: Ag/Cu(110)	2013	Thin Solid Films	K. Sbiaai, Y. Boughaleb, M. Mazroui, A. Hajjaji, A. Kara
1997	Phase transition in fiber bundle model	2013	Journal of Optoelectronics and Advanced Materials	A. Lahyani, Y. Boughaleb, M. Qjani, K. Sbiaai
1998	Magnetic fabrics in the Jurassic-Cretaceous continental basins of the northern Central High Atlas (Morocco): geodynamic implications	2013	Journal of African Earth Sciences	Bennacer moussaid, Hmidou El Ouardi, Antonio M Casas-Sainz, Juan J Villalaín, Teresa Román-Berdiel, Belén Oliva-Urcia, Ruth Soto, Sara Torres-López.
2084	Magneto-Structural Studies of 2-(2-Ammoniummethyl)-1-méthyl	2012	J. Supercond Nov Magn	W. Amamou, M. Triki, E. Dhahri, F. Zouari, A. Koumina, M. Fliyou



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	PyrrolidiniumTetrachlorocuprate (II)			
2085	Mechanical effect on the performance of electrostrictive polymers for energy harvesting	2012	Xplore.ieee.org	A. Eddiai, M. Meddad, A. Hajjaji, D. Guyomar, Y. Boughaleb and B. Sahraoui,
2086	The Study of Results Simulation of Collective Motion	2012	International Journal of Computer Applications	I. Tarras, N. Moussa, M. Mazroui and Y. Boughaleb
2087	Diffusion of Ag dimer on Cu (110) by dissociation-reassociation and concerted jump processes	2012	Xplore.ieee.org	K.Sbiaai, Y. Boughaleb, J-Y. Raty, A. Hajjaji, A. Arbaoui, A. Kara, A. ; B. Sahraoui
2088	Ground State Of The 2D Extended Hubbard Model With More Than Nearest-Neighbor Interactions	2012	Int. J. Mod. Phys	S. Harir, M. Bennai, and Y. Boughaleb
2089	Numerical study of atomic diffusion processes of copper on silver (110) surface: Cu/Ag (110)	2012	Journal of Optoelectronics and Advanced Materials	K. Sbiaai, Y. Boughaleb, J-Y. Raty, A. Hajjaji, M. Mazroui, A. Kara
2090	Study of the behaviour of electrostrictive polymers for energy harvesting with FFT analysis	2012	Journal of Optoelectronics and Advanced Materials	M. Meddad, A. Eddiai, D. Guyomar , S. Belkhiat, A. Hajjaji and Y. Boughaleb
2091	Mechanical characterization of an electrostrictive polymer for actuation and energy harvesting	2012	Journal of Applied Physics	A. Eddiai, M. Meddad, S. Touhtouh, A. Hajjaji, Y. Boughaleb, D. Guyomar, S. Belkhiat, B. Sahraoui
2092	Characterization of LlaKI, a newMetal Ion-Independent restriction Endonuclease from lactococcus lactis KLD S4	2012	ISRN Biochemistry	Belkebir A, Azeddoug H.

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2093	Purification and characterization of SepII a new restriction endonuclease from Staphylococcus epidermidis	2012	Microbiol Res.	Belkebir A, Azeddoug H
2166	Energy barriers for diffusion on heterogeneous stepped metal	2013	Thin solid films	K. Sbiaai, Y. Boughaleb, M. Mazroui, A. Kara
2169	Structural and magnetic properties of nanometric Zn-ferrite prepared by different methods	2013	Journal of Optoelectronics and Advanced Materials	K. Benkhouja, El Mokhtar Lemdec, M. Bettach, M. Touaiher, K. Siaai, Y. Boughaleb, S. Touhtouh, A. Hajjaji, Regino-Saez-Puche
2171	Magnetic and thermodynamic studies of new lamellar structure Mn <sub>0.5</sub> Co <sub>0.5</sub> NH <sub>4</sub> PO <sub>4</sub> · 2H <sub>2</sub> O	2013	Journal of Optoelectronics and Advanced Materials	Mostapha Touaiher, Khalid Benkhouja, Mohammed bettach, M'Hamed Taibi, Jilali Aride, Bouchta Sahraoui, Khalid Sbiaai, Yahia Boughaleb, Adil Eddiai
2173	Magneto-Structural studies of 2-(2-Ammoniumethyl)-1-méthyl pyrrolidinium tetrachlorocuprate (II)	2013	J. Supercond. Nov. Magn	W. Amammou, M. Triki, E. Dhahri, F. Zouari, A. Koumima, M. Fliyou
2176	Chemical preparation, crystallographic characterization and vibrational study of two new condensed phosphates	2015	Verres Céramiques & Composites	M. Tridane, A. Kheireddine, I. Fahim, H. Moutaabbid, M. Moutaabbid, El. M. Tace, A. Charaf, M. Radid, F. Salhamen, S. Benmokhtar and S. Belaouad
2180	Strain effect on an electroactive polymer composite for power harvesting: experiments and modeling	2015	polymers advanced technologies	A. EDDIAI, M. MEDDAD, M. MAZROUI, Y. BOUGHALEB, M. Idiri, R. Khanfer and M. Rguiti
13187	Scaling behavior of non-equilibrium	2016	Modern Physics Letters B	R. Bakir , I. Tarras, A. Hader , H.

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	phase transitions in spontaneously ordered motion of self-propelled particles			Sbiaai, M. Mazroui and Y. Boughaleb
13219	A new concept to harvest thermal energy using pyroelectric effect and Rayleigh-Benard convections	2016	European Physical Journal Plus	Zahra El fatnani, F., Guyomar, D., Belhora, F., Boughaleb, Y., Hajjaji, A.
13220	Relaxation and diffusion barriers at step edges of Cu, Ag and Au homo- and heterogeneous systems: Case of (100) facet	2016	International Journal of Materials Research	Benlattar, M., Elkoraychy, E., Sbiaai, K., Boughaleb, Y., Gounaya, H
13221	Numerical study of self- and heterodiffusion on clean unreconstructed and missing-row reconstructed Pt(110) surfaces	2016	Physica Status Solidi (B) Basic Research	Matrane, I., Elkoraychy, E., Sbiaai, K., Mazroui, M., Boughaleb, Y.
13222	Strain effects on an electrostrictive polymer composite for power harvesting: Experiments and modeling	2016	Polymers for Advanced Technologies	Eddiai, A., Meddad, M., Mazroui, M., Khanfer, R., Rguiti, M, Boughaleb, Y
13223	Charge and magnetic properties of 2D extended Hubbard model	2016	Molecular Crystals and Liquid Crystals	Harir, S., Zouhair, A., Bennai, M., Boughaleb, Y.
13224	Theoretical modeling of power harvested by piezo-cellular polymers	2016	Molecular Crystals and Liquid Crystals	Ennawaoui, C., Hajjaji, A., Azim, A., Boughaleb, Y.
13225	Crack diffusion in failure process of composite materials	2016	Molecular Crystals and Liquid Crystals	Hader, A., Achik, I., Sbiaai, H., Bakir, R., Boughaleb,
13226	Improved modal observer for modal SSDI-Max	2016	Molecular Crystals and Liquid Crystals	Babesse, E., Belkhiat, S., Cherif, A., Eddiai, A., Boughaleb, Y

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13227	Magnetolectricity in polyurethanes nanocomposites	2016	Molecular Crystals and Liquid Crystals	Belhora, F., Hajjaji, A., Touhtouh, S., Guyomar, D., Boughaleb, Y.
13228	Jump diffusion in the strong-collision model on deformable substrate potential	2016	Optical and Quantum Electronics	Kotri, A., Elkoraychy, E., Lachtioui, Y., Mazroui, M., Boughaleb, Y.
13229	Nonlinear refraction and absorption activity of dimethylaminostyryl substituted BODIPY dyes	2016	RSC Advances	Kulyk, B., Taboukhat, S., Akdas-Kilig, H., Boughaleb, Y., Sahraoui, B
13238	Pre-Cenomanian vs. Cenozoic folding in the High Atlas revealed by palaeomagnetic data	2016	Terra Nova	Sara Torres-Lopez, <sup>1</sup> Antonio M. Casas, <sup>2</sup> Juan José Villalón, <sup>1</sup> Hamidou El Ouardi <sup>3</sup> and Bennacer Moussaid <sup>4</sup>
13240	Tectonic fabrics vs. mineralogical artifacts in AMS analysis: A case study of the Western Morocco extensional Triassic basins	2016	Journal of Geodynamics	15. B. OlivaUrcia, A.M. Casas, B. Moussaid, J.J. Villalón, H. El Ouardi, R. Soto, S. TorresLópez, T. RománBerdiel
13289	Nonlinear Refraction and Absorption Activity of Dimethylaminostyryl Substituted BODIPY Dyes	2016	The Royal Society of Chemistry	2. B. Kulyk, S. Taboukhat, H. Akdas-Kilig, J.-L. Fillaut, Y. Boughaleb and B. Sahraoui
13290	Synthesis, spectral, theoretical calculations and optical properties performance of substituted-azobenzene dye	2016	Optical And Quantum Electronics	3. M. Bouchouit • Y. Elkouari • L. Messaadia • A. Bouraiou • S. Arroudj • S. Bouacida • S. Taboukhat • K. Bouchouit
13291	Ab-initio and DFT methodologies for computing hyperpolarizabilities and susceptibilities of highly conjugated	2016	Optical Materials	4. A. Karakas • M. Karakaya • Y. Ceylan • Y. El Kouari • S. Taboukhat • Y. Boughaleb • Z. Sofiani

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	organic compounds for nonlinear optical applications			
13292	Synthesis, spectral, optical properties and theoretical calculations on schiff bases ligands containing o-tolidine	2016	Optical Materials	5. S. Arroudj • M. Bouchouit • K. Bouchouit • A. Bouraiou • L. Messaadia • B. Kulyk • V. Figa • S. Bouacida • Z. Sofiani • S. Taboukhat
13293	Nonlinear optical properties of zinc oxide doped bismuth thin films using Z-scan technique	2016	Optical Materials	S. Abed • K. Bouchouit • M.S. Aida • S. Taboukhat • Z. Sofiani • B. Kulyk • V. Figa
13294	Optical properties of self-assembled aluminumphthalocyanine chloride thin films	2016	Display and Imaging	7. A. Zawadzka, P. Płóciennik, D. Guichaoua, S. Taboukhat, A. Korcala and B. Sahraoui
13471	Non-universality in the 2D flocking model	2014	Modern Physics Letters B	I.Tarras, M. Mazroui, N. Moussa and Y. Boughaleb
13472	Long jumps contribution to the adatom diffusion process near the step edge: The case of Ag/Cu(110)	2013	Basic Solid State Physics	Sbiaai, Khalid; Boughaleb, Yahia ; Kara, Abdelkader; Tahtouh, Samira and Sahraoui, Bouchta
13812	Zig-zag diffusion of pentamer on (110) surface	2013	Xplore-IEEE	Khalid Sbiaai, Yahia Boughaleb, L. Bounouas and B. Sahraoui
13815	Optimization and improvement of thermal energy harvesting by using pyroelectric materials	2016	optical materials	4. F. Z. El Fatnani, • D. Guyomar, • M. Mazroui, •F. Belhora, • Y. Boughaleb
17422	'Effect of Ni-doping Charge on Structure and Properties of LiNbO3	2016	'Effect of Ni-doping Charge on Structure and Properties of LiNbO3	A.El Bachiri, M. EL-Hasnaoui F.Bennani, , M. Bousslamti
17423	Dielectric and electrical properties of	2016	, Journal of Asian Ceramic Societies	A.El Bachiri, F.Bennani, M. Bousslamti

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	LiNbO3 ceramics			
17424	'Ionic and Polaronic Conductivity of Lithium Niobate	2014	Spectroscopy Letters	□ A.El Bachiri, F.Bennani, M. Bouslamti
17425	The Composition Dependence of the Raman Spectrum in Lithium Niobate Li <sub>1-x</sub> Nb <sub>1+x</sub> /5O <sub>3</sub> Ceramics	2016	Journal of Advanced Research in Physics (JARP)	M. Bousselamti, A. El Bachiri and F. Bennani
17473	2. Structural and magnetic properties of nanometric Zn <sub>0.5</sub> CO <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> prepared by hydrothermal method	2016	Molecular Crystals and Liquid Crystals, Vol. 627, 125-132	E.M. Lemdek, K. Benkhouja, K. Jaafari, M. Bettach, M. Tahiri, N. Masaif, A. Jennane and E.M. Lotfi
17474	3. Experimental and theoretical study of the density of Cu-doped LiTaO <sub>3</sub>	2016	Opt Quant Electron , Vol. 627, 125-132	M. Tahiri, N. Masaif, A. Jennane, E. M. Lemdek, K. Benkhouja and E.M. Lotfi
19267	Effet of annealing treatment on the properties of, Co <sub>3</sub> O <sub>4</sub> thin films prepared by spray pyrolysis	2016	JMES	A. Louardi, A. Rmili, T. Chtouki, B. Elidrissi, H. Erguig, A. El Bachiri, K. Ammous and H. Mejbri
19268	Theoretical study of spontaneous polarization behavior and density behavior of Ni-Doped LiMO <sub>3</sub> (M=Nb or Ta)	2015	Ferrielectrics	A. Tahiri, N. Masaif, and A. Jennane
19270	Structural and magnetic properties of nanometric Zn <sub>0.5</sub> Co <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> prepared by hydrothermal method	2015	molecular Crystals and Liquid crystal	E.M. Lemdek, K. Benkhouja, K. Jaafar, M. Bettach, M. Tahiri, N. Nasaif, Jennane & E. M. Lotfi
19873	Effect of annealing treatment on Co <sub>3</sub> O <sub>4</sub> thin films properties prepared by spray pyrolysis	2017	Journal of Materials and Environmental Sciences	A. Louardi, A. Rmili, T. Chtouki, B. Elidrissi, H. Erguig, A. El Bachiri, K. Ammous and H. Mejbri

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19877	Effects of agent's orientation in 2D flocking models	2017	Chinese Journal of Physics	Redouane Bakir , Iliass Tarras , Laila Amallaha , Hicham Sbiaai , Ahmed Hader , M'Hammed Mazroui , Yahia Boughaleba,
19878	Failure process in heterogeneous materials with randomly oriented fibers	2017	Physica A	H. Sbiaai , A. Hader , R. Bakir , I. Achik , I. Tarras , Y. Boughaleba
19879	Scaling behavior of non-equilibrium phase transitions in spontaneously ordered motion of self-propelled particles	2017	Modern Physics Letters B	R. Bakir , I. Tarras , A. Hader , H. Sbiaai, M. Mazroui and Y. Boughaleb
19880	Substrate effects on the diffusion process	2017	Molecular Crystals and Liquid Crystals	Y. Lachtioui, A. Kotri, I. Tarras, K. Saadouni & M. Mazroui
20072	Diachronous folding and cleavage in an intraplatesetting(Centreal High Atlas Morocco) Determined through the study of remagnetizations.	2017	Journal of Structural Geology	P. Calvi, A.M. Sasas-Sainz, J.J. Villadain, B. Moussai
20074	Emplacement and deformation of mezozoic gabbros of the high altas (Morocco) : Paleomagnetism and Magnetic Fabrics	2017	AGU	P? Calvin, V.C. Ruiz-Martinez, J.J.Villalain, A.M. Casas-Sainz, and B. Moussaid
23189	Investigation of Structural and Magnetic Propertiesin Electrodeposited Co/CoxZn1-xSuperlattices	2017	Journal of Superconductivity and Novel Magnetism	Y. Lghazi, ·R. Moubah,, I. Bimaghra, E.-K. Hlil, ·T. El Bahraoui, ·S. Alleg, · H. Lassri.
23219	Nonlinear Optical Properties of some	2017	ICTON 2017	Said Taboukhat, Meriem Lougdali,

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	Selected Highly Conjugated Molecules Based on TTF for Optoelectronics Applications			Youssef Kouari, Anna Zawadzaka, Awatef Aydi, Abdelkrim El-Ghayoury, Yahya Boughaleb and Bouchta Sahraoui
23384	Theoretical modeling of piezoelectric energy harvesting in the system using technical textile as support	2017	polymers for advanced technologies	Nabil Chakhchaoui Habiba Ennamiri Abdelowahed Hajjaji Adil Eddiai Mounir Meddad Yahia Boughaleb
23385	Mechanical energy harvesting using polyurethane/lead zirconate titanate composite	2017	JOURNAL OF COMPOSITE MATERIALS	Abdelkader Rjafallah, abdelowahed Hajjaji, Fouad Belhor, Daniel Guyomar, Laurence Seveyrat, Rabie El Otmani and Yahia Boughaleb
23425	Optimization of the energy harvested by the effect of strain and frequency on an electrostrictive polymer composite	2014	Synthetic Metals	Mounir Meddada, Adil Eddiai , Abdelowahed Hajjaji , Yahia Boughaleb , Daniel Guyomar , Mohamed Fliyou
23502	Lowest of AC-DC power output for electrostrictive polymers energy harvesting systems	2014	Optical Materials	Mounir Meddada, Adil Eddiai , Abdelowahed Hajjaji , Daniel Guyomar, Saad Belkhiat, Yahia Boughaleb , Aida Chérif
23514	numerical simulation study of the charge density wave dynamic properties in the one-dimensional systems	2014	Optical Materials	A.Arbaoui, N.Habiballah, M.Qjani, K.Sbi aai, A.Hajjaji, Y.Boughaleb, K.Benkhouja , M.Bakasse
26728	Investigation of the Nucleation Kinetics of Bi and $\Delta$ -Bi <sub>2</sub> O <sub>3</sub> During Electro-Deposition on Substrate ITO	2018	International Journal of Engineering & Technology	Y. Lghazi <sup>1*</sup> , I. Bimaghra <sup>1</sup> , A. El Bachiri <sup>1</sup> , K. Elmerzouki <sup>1</sup> , B.Youbi <sup>1</sup> and H. Lasri <sup>2</sup>



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26729	Adsorption of organic dye methylene blue on activated carbon prepared from wood	2018	International Journal of Engineering & Technology	Khadija Elmerzouki1*, Itto Bimaghra1*, Ahmmed Sahlaoui1, Youssef Lghazi1 and Mohamed Ait himi1
26731	Structural and Thermal Properties Correlation in LiNbO3 Material	2018	SENSOR LETTERS	M. Tahiri1□ *, N. Masaif2, and A. Jennane3
26747	Electrochromic and photoluminescence properties of cobalt oxide thin films prepared by spray pyrolysis	2018	Spectroscopy Letters	1) A. El Bachiri, L. Soussi, O. Karzazi, A. Louardi, A. Rmili, H. Erguig, B. El Idrissi.
26748	Optical Properties of Mg Cobalt Oxide (MgxCo3-xO4) Thin Films	2018	Materials Focus	2) A. Louardi, A. El Bachiri, L. Soussi, H. Erguig, B. Elidrissi, M. Khaidar, M. Monkade
26749	Transparent conducting properties of Mg and Al co-doped ZnO thin films deposited by spray pyrolysis technique	2018	Superlattices and Microstructures	O. Karzazi, L. Soussi, A. Louardi, A. El Bachiri, M. Khaidar, M. Monkade, H. Erguig, M. Taleb
26750	Entanglement and Correlation Functions in 1D Extended Hubbard Model	2018	Journal of Advanced Physics	S. Harir1, 2,*, A. Zouhair1, M. Bennai3, and Y. Boughaleb1
26819	Modeling and analysis of the effect of substrate on the flexible piezoelectric films for kinetic energy harvesting from textiles	2018	Journal of Composite Materials	Show less Nabil Chakhchaoui, H Jaouani, H Ennamiri, A Eddiai, A Hajjaji, M Meddad, Lieva Van Langenhove, Y Boughaleb
27137	ANALYSIS OF CORRELATION BETWEEN DENSITY VARIATIONS AND	2018	Ukrainian Journal of Physics	M. TAHIRI,1 A. JENNANE,2 N. MASAIF,3 E.M. LEMDEK,4 E.M. LOTFI5

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	DEFECT STRUCTURE OF W6+ :LiTaO3			
27613	Time Evolution of Damaged Region in Composite Materials	2018	Journal Sensor Letters	A. Hader, H. Sbiaai, I. Achik, J. Hedoui, R. Bakir, I. Tarras, and Y. Boughaleb
27614	Correlations and Diffusions Process in Self-Propelled Particles Dynamic: Langevin Equation Treatment	2018	Journal Sensor Letters	L. Amallah, A. Hader, R. Bakir, I. Achik, H. Sbiaai, I. Tarras, and Y. Boughaleb
27615	Temperature Effect on Fibers Elongation Behaviors in Composite Materials with Randomly Oriented Fibers	2018	Journal Sensor Letters	H. Sbiaa, A. Hader, S. Boufass, R. Bakir, I. Achik, A. Zouhair, and Y. Boughaleb
27616	The Combined Effect of Repulsion Zone and Initial Velocity on Vicsek Model	2018	Journal Sensor Letters	I. Tarras, R. Bakir, A. Hader, M. Mazroui, Dorilson. S. Cambui, and Y. Boughaleb
29503	Extensional vs. compressional deformation in the Central High Atlas salt province: A paleomagnetic approach	2018	Tectonophysics	P. Calvina,*, A.M. Casas-Sainzb, J.J. Villalaína, B. Moussaidc
29760	Inversion tectonics and magnetic fabrics in Mesozoic basins of the Western Tethys: A review	2018	Tectonophysics	C.García-Lasanta, B.Oliva-Urcia, A.M.Casas-Sainz, T.Román-Berdiel, E.Izquierdo-Llavall, R.Soto, P.Calvín, B.Moussaid, H.El Ouardi, J.C.Kullberg, J.J.Villalaín
29761	Evolution of the Ridges of Midelt-Errachidia Section in the High Atlas Revealed by Paleomagnetic	2018	Tectonics	S. Torres-López, A. M. Casas, J. J. Villalaín, B. Moussaid, V. C. Ruiz Martínez, H. El-Ouardi

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### \*Publications avec comité de lecture

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2097	On the extension of the Cretaceous remagnetization in the High Atlas (Morocco)	2015	GeoGaceta,	Sara Torres-López, Juan José Villalaín, Antonio Casas Hmidou El Ouardi, Bennacer Moussaid, Y. Vicente, Carlos Ruíz-Martínez,
2099	Résultats préliminaires de l'application de l'ASM à l'analyse structurale dans le Haut Atlas central (région d'Imilchil, Maroc)	2014	GIS-USERS	Moussaid B., Casas-Sainz A., El Ouardi H., Villalaín J.J., Mahmoudi A., Ruiz-Martínez V.C., Calvin P,
2101	Preliminary paleomagnetic results in Mesozoic continental basins from the central Moroccan High Atlas	2012	Geo-temas	- B. Moussaid, H.El Ouardi, A.Casas, J.J.Villalaín, T. Román, B.Oliva, R. Soto, S. Torres,
2103	Remagnetization regional en sediments Jurassicos del Alto Atlas Maroqui	2012	Geo-temas	S.Torres-Lopez, J.J. Villalain, A.M.Casas, H.El Ouardi, B.Moussaid, V.C.Ruiz-Martinez
2246	Regeneration of activated carbon sutured hexavalent chrome	2015	GRDD	K.ELMERZOUKI, I.BIMAGHRA, A. KHALIDI
13273	Aplicación de la anisotropía de la susceptibilidad magnética en el Jurásico inferior calcáreo al análisis estructural del Alto Atlas Central	2016	Sociedad Geológica de España	Bennacer Moussaid <sup>1</sup> , Antonio Casas-Sainz <sup>2</sup> , Hmidou El Ouardi <sup>3</sup> , Juan José Villalaín <sup>4</sup> , Abdelkader Mahmoudi <sup>3</sup> , Sara Torres-López <sup>4</sup> , Vicente Carlos

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	(région de Imilchil, Marruecos) Anisotropy of magnetic susceptibility of Lower Jurassic calcareous rocks applied to the structural analysis of the Central High Atlas (Imilchil area, Morocco)			Ruiz-Martínez <sup>5</sup> y Pablo Calvín <sup>4</sup>
13281	Regeneration of Activated Carbon Sutured Hexavalent Chrome	2016	Journal of Applied Solution Chemistry and Modeling	K. Elmerzouki <sup>1,*</sup> , I. Bimaghra <sup>1</sup> and A. Khalidi <sup>2</sup>
13315	Adsorption Dyes in Aqueous Solutions by Activated Carbon-Based White Wood	2016	Journal of Applied Solution Chemistry and Modeling,	K. Elmerzouki <sup>1,*</sup> , I. Bimaghra <sup>1</sup> and A. Khalidi <sup>2</sup> 1 UH2C, Ecole Normale Supérieure, Laboratoire
13316	Removal of Dyes of Textile Rejects by Activated Carbon	2016	Journal of Applied Solution Chemistry and Modeling,	K. Elmerzouki <sup>1,*</sup> , I. Bimaghra <sup>1</sup> and A. Khalidi <sup>2</sup>
13415	Study of crack diffusion in composite materials using the fiber bundle model	2015	Frontiers in Science and Engineering - Vol. 5 - n° 1 - 2015 An International Journal Edited by The H	I. Achika, A. Hadera, <sup>b</sup> H. Sbiaaia , Y. Boughaleba, c,*
13806	Restitución estructural por medio de direcciones paleomagnéticas en un cuerpo de gabra (macizo de Tirrhist, Alto Atlas central, Marruecos)	2015	Sociedad Geológica de España, GEOGACETA, 58, 2015	Pablo Calvín <sup>1</sup> , Vicente C. Ruíz-Martínez <sup>2</sup> , Juan J. Villalaín <sup>1</sup> , Bennacer Moussaid <sup>3</sup> y Hmidou El Ouardi <sup>3</sup>
13807	Sobre la extensión de la remagnetización cretácica en el Alto Atlas (Marruecos)	2015	Sociedad Geológica de España / geogaceta	Sara Torres-López <sup>1</sup> , Juan José Villalaín <sup>1</sup> , Antonio Casas <sup>2</sup> , Hmidou El Ouardi <sup>3</sup> , Bennacer Moussaid <sup>3</sup> y Vicente Carlos Ruíz-Martínez <sup>4</sup>
13808	Application de la anisotropia de la susceptibilidad magnetica en el	2014	Sociedad Geológica de España / geogaceta	Bennacer Mousaid, Antonio Casas Sainz, Hamidou El Ouardi, Juan José

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	jurasico inferior calcario al analisis est structural del alto Atlas central (région de Imilchil, Marruecos)			Villalain, Abdelkader Mahmoudi, Sara Torres-Lopez, Vicente Carlos Ruiz_Martine, pablo Calvin
13810	Chemical preparation, crystallographic characterization and vibrational study of two new condensed phosphates	2015	Verres, Céramiques & Composites	M.TRIDANE, A.KHEIREDDINE, I.FAHIM, H.MOUTAABBID, M. MOUTAABBID, EI M. TACE, A. CHARAF, M. RADID, F. SALHAMEN, S. BENMOKHTAR and S.BELAAOUAD
19266	Low-frequency dispersion behavior of impedance spectra of Li <sub>0.867</sub> Nb <sub>0.098</sub> O <sub>3</sub> ceramic	2016	Materials Research Forum LLC	A. El bachiri, M. El Hasnaoui and F. Bennani
20076	Meaning of syosedimentary shortening tectonic structures along the northern limb of the Ait Attab syncline (Central high atlas, Morocco)	2017	GEOGACERA	Hassan El Makrini, Ibrahim Ivanof régis Mahamat, Bennacer Moussaid, Sara Torres-Lopez, Belen Oliva-Urcia, Juan Jose Villalian and Hmidou El Ouardi
20077	Application de la anisotropia de la susceptibilidad magnetica en el jurasico inferior calcario al analisis est structural del alto Atlas central (région de Imilchil, Marruecos)	2014	GEOGACETA	Bennacer Mousaid, Antonio Casas Sainz, Hamidou El Ouardi, Juan José Villalain, Abdelkader Mahmoudi, Sara Torres-Lopez, Vicente Carlos Ruiz_Martine, pablo Calvin
20465	Adsorption of textile red by activated carbon Adsorption du colorant dispersé rouge par le charbon actif	2017	EWASH & TI Journal: Environmental and Water Sciences, Public Health & Territorial Intelligence	AHMED SAHLAOUI , KHADIJA ELMERZOUKI , ITTO BIMAGHRA AND YOUSSEF ELGHAZI

### \*Communications internationales

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
2106	Adsorption dyes in aqueous solutions by activated carbon-based whitewood	K. ELmerzouki, I. Bimaghra et Y. Lghazi	The 5th Edition of the International Conference on Intelligent Textiles et Mass Customisation	Casablanca	Maroc	2015-11-04
2107	Elaboration des couches minces de ZnO par électrodéposition	Y. Lghazi, I. Bimaghra et K. ELmerzouki	ERVD'3 Colloque International « Eau, Recyclage et Valorisation des Déchets », 3ème Edition	Fes	Maroc	2015-10-28
2108	Studies on the interference of anther ions of Removal of Cr6+ by activated carban	K. ELmerzouki, I. Bimaghra et A. Khalidi	6th annual convention of Eurasian silk road universities consortium (ESRUC)	Casablanca	Maroc	2015-10-01
2115	Characterization of the PU-50%PZT composite ability for vibration energy harvesting	Abdelkader RJAFALLAH, Fouad BELHORA, Abdelwahed HAJJAJI, Adil EDDIAI, Daniel Guyomar, Yahia BOUGHALEB, Laurence SEVEYRAT	13eme International Confence on Frontiers of Pplomers & Advanced Materials	Marrakech,	Maroc	2015-03-01
2116	The crack diffusion infailure process in composite materials	I. Achik, A. Hader, H. Sbiaai, Y. Boughaleb	13eme International Confence on Frontiers of Pplomers & Advanced Materials	Marrakech	Maroc	2015-03-01
2118	Multimodal vibration damping using Energy Transfer	A. CHERIF, M. MEDDAD, A. EDDIAI, A. HAJJAJI, M. MAZROUI, Y.	13eme International Confence on Frontiers of Pplomers & Advanced	Marrakech	Maroc	2015-03-01

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		BOUGHALEB	Materials			
2122	Prototype for enhancing power harvesting with PVDF polymers	M. MEDDAD, A. EDDIAI, A. CHERIF, A. HAJJAJI, S. BENAHA DOUGA, D. GUYOMAR, Y. BOUGHALEB	13eme International Conference on Frontiers of Pplomers & Advanced Materials	Marrakech	Maroc	2015-03-01
2123	. NEW PHYSICAL MODEL OF ENERGY HARVESTING FROM ELECTROSTRICTIVE POLYMERS	A. EDDIAI, M. MEDDAD, A. HAJJAJI, A. CHERIF, M. MAZROUI, Y. BOUGHALEB, D. GUYOMAR, B. SAHRAOUI	13eme International Conference on Frontiers of Pplomers & Advanced Materials	Marrakech	Maroc	2015-03-01
2125	Magnetolectric effect in composite material based on electrostrictive polymer (PU) and magnetic particles (Fe <sub>3</sub> C)	F.BELHORA, M.MAZROUI, F.E.EL FATNANI, A.HAJJAJI, Y.BOUGHALEB, D.GUYOMAR	13eme International Conference on Frontiers of Pplomers & Advanced Materials	Marrakech	Maroc	2015-03-01
2126	Harvesting energy in polyurethane films nanocomposites filled with Cu nanoparticles	F.Belhora, A.Hajjaji, Y.Boughaleb, D.Guyomar	13eme International Conference on Frontiers of Pplomers & Advanced Materials	Marrakech	Maroc	2015-03-01
2128	Maximum power point tracking technique of thermogenerator by using Matlab and ChipKIT Max32 board-based	S. BENAHA DOUGA, M. MEDDAD, R.KHANFER, A. EDDIAI, A. CHERIF, K. BENKHOUJA, Y. BOUGHALEB	13eme International Conference on Frontiers of Pplomers & Advanced Materials	Marrakech	Maroc	2015-03-01
2129	Fokker-Planck dynamics	M.Ouahmane,	13eme International	Marrakech	Maroc	2015-03-01

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	in a periodic Remoissent-Peyrard potential	L.Elarroum,Y.Boughaleb	Conférence on Frontiers of Pplomers & Advanced Materials			
2142	Fokker-Planck dynamics in a periodic Remoissent-Peyrard potential	M.OUAHMANE, L.EL ARROUM, Y. BOUGHALEB	CIMFAT 2014	Casablanca	Maroc	2014-10-24
2143	Study Of Thermal Power Micros Generators	M. Meddad, A. Eddiai, A. Cherif, A. Hajjaji, Y. Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
2247	Theoretical calculation of optical properties of P-nitroaniline individual molecules	Taboukhat S., Migalska A., Charaf A., Bakasse M., Boughaleb Y.	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
2297	The crack diffusion in failure process in composite materials	A. Hader, I. Achik, Y. Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
2298	Characterization of the PU-50%PZT composite ability for vibration energy harvesting	A. Rjafallah, F. Belhora, A. Hajjaji, A. Eddiai, M. Meddad, D. Guyomar, Y. Boughaleb And L. Seveyrat	CIMFAT 2014	Casablanca	Maroc	2014-10-24
2299	The study of the micro crack diffusion by the fiber bundle model	I. Achik, A. Hader, Y. Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
2343	Résultats préliminaires de l'application de l'ASM	Moussaid B., Casas-Sainz A., El Ouardi H.,Villalaín	2éme Colloque international des	Meknès	Maroc	2014-11-20



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	à l'analyse structurale dans le Haut Atlas central (région d'Imilchil, Maroc).	J.J, Mahmoudi A., Ruiz-Martínez V.C, Calvin P.	utilisateurs des SIG (GIS-USERS)			
2344	Paleomagnetic and AMS study of the Taguelft inverted basin. Evidences of early compressional events in the High Atlas belt (North Africa).	B. Moussaid, A. Casas, H. El Ouardi, J.J. Villalaín, V., S. Torres:.,	Castle Meeting, New trends on Paleo, Rock and Environmental Magnetism	Évora	Portugal	2014-09-06
13230	A VIBRATION ENERGY HARVESTER IN HUMAN MOVEMENT USING PIEZOELECTRIC PVDF-POLYMER COMPOSITES	N.CHAKHCHAOUI,H.ENNA MIRI,A.EDDIAI,A.HAJJAJI,M .MEDDAD,Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13231	THERMAL ENERGY HARVESTING USING PYROELECTRIC EFFECT	FATIMA ZAHRA.F, MAZROUI.M, GUYOMAR.D, BELHORA.F, BOUGHALEB.Y	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13232	THE STUDY OF THE COLLECTIVE MOTION OF THE BIOLOGIC SYSTEM	BAKIR.R, TARRAS.I, HADER.A, ACHIK.I, MAZROUI.M, MOUSSA.N, BOUGHALEB.Y	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28

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13251	SMALL CLUSTERS DIFFUSION AT HIGH TEMPERATURE ON CHANNELED METAL SURFACES	E.ELKORAYCHY, M.MAZROUI, K.SBIAAI, Y.BOUGHALEB, R.FERRANDO	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13252	MOLECULAR DYNAMICS STUDY OF ADSORPTION AND HETERO-DIFFUSION OF COPPER,SILVER AND GOLD ADATOMS ON THE (111) SURFACES	A.KOTRI, E.ELKORAYCHY, I.MATRANE, M.MAZROUI, Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13253	BROWNIAN DIFFUSION IN A PERIODIC POTENTIAL	L.ARFA, M.OUAHMANE, L.EL ARROUM, Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13254	THE STUDY OF THE EFFECT OG THE SUBSTITUTION OF RIGID ELEMENTS ON THE FAILURE PROCESS IN COMPOSITE MATERIALS	H.SBIAAI, A.HADER, I.ACHIK, R.BAKIR, I.TARRAS, Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13255	STUDY OF THE BEHAVIOR OF ELECTROSTRICTIVE POLYMERS FOR ENERGY HARVESTING WITH FET	R.FARHAN, A.EDDIAI, M.MEDDAD, M.MAZROUI, M.RGUITI, Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY	Casablanca	MAROC	2016-04-28

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	ANALYSIS		NASMARE?28-29 APRIL 2016			
13256	ELECTROSTRIVTIVE POLYMER COMPOSITE FOR MECHANICAL ENERGY HARVESTING	A.RJAFALLAH, A.HAJJAJI, D.GUYOMAR, Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13257	DEFORMABILITY EFFECTS OF THE SUBSTRATE POTENTIAL ON THE DIFFUSION PROCESS	Y.LACHTIOUI, A.KOTRI, K.SAADOUNI, M.MAZROUI, Y.BOUGHALEB	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR RENEWABLE ENARGY NASMARE?28-29 APRIL 2016	Casablanca	MAROC	2016-04-28
13277	Elaboration des couches minces de ZnO et ZnO codopé par électrodéposition,	Y. Lghazi, I. Bimaghra, M. Fliyou	International meeting on nano and smart mariels for renewable energie	Casablanca	Maroc	2016-04-28
13278	Optical proprieties of the zigzag carbon nanotube	A. Saadi, H. Moujri, M. Fliyou, S. Ouaskit	International meeting on nano and smart mariels for renewable energie	Casablanca	Maroc	2016-04-28
13474	Ab-initio and DFT methodologies for computing hyperpolarizabilities and susceptibilities of highly conjugatedorganic compounds for nonlinear	A.Karakas,M. Karakaya,Y.Ceylan, Y.EL.Kouari,Y. Boughaleb, Z.Sofiani, and B.Sahraoui	13eme International Confenece on Frontiers of Pplomers& Advanced Materials	Marrakech	Maroc	2015-03-29

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	optical applications					
13475	Adaptive passive vibration control for the variable case	E. Bannesse, S. Belkhiat, A. Cherif, M. Meddad, A. Eddiai, Y. Boughaleb	13eme International Conference on Frontiers of Pplomers& Advanced Materials	Marrakech	Maroc	2015-03-29
13476	Defomability effects of the substrate potential on the diffusion process	Y. Lachtioui, A. Kotri, K. Saadoun, A. Eddiai, M. Mazroui, Y. Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13477	Kinetic phase for collective displacemnt of self-drivent individuals	I. Tarras, M. Mazroui, and Y. Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13478	Activation energies of hetero-hepitaxialsystems : Ag/Au and Au/Ag on (110) surface	E. El koraychy, K. Sbiaai, M. Mazroui, R. Ferrando and Y. Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13479	Adatomheterodiffusion on stepped metal surfaces: Cu/Ag(110)	K. Sbiaai, E. El Koraychy, M. Mazroui, Y. Boughaleb and A. Kara	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13480	Improving of the power recovered by the effect of different signals of polarization using electrostrictive polymers	Z. SABRI, A. EDDIAI, M. MEDDAD, M. MAZROUI, A. HAJJAJI, K. SAADOUNI, S. BENAHA DOUGA, Y. BOUGHALEB	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29

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13481	Relaxation and diffusion barriers at step edges of Cu, Ag and Au homo- and heterogeneous systems: case of (100) facet	M. Benlattar, E. Elkoraychy, K. Sbiaai, M. Mazroui and Y. Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13482	THERMAL ENERGY HARVESTING THROUGH INFRARED RADIATION AND PYROELECTRIC MATERIAL	F.Z.Elfatnani, F.Belhora, D.Guyomar, M.Mazroui, K.Yuse, Y.Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13483	The study by the fiber bundle model of the crack diffusion in the composite materials	A.Hader, I. Achik ,H.Sbiaai , Y. Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13484	The study of the collective motion of the biologic system	R. Bakir, A. Hader, I. Achik, I. Tarras, Y. Boughaleb	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13485	Thermoelectric generator energy harvesting to improve the efficiency of photovoltaic cells	R. KHANFER, M. MOSTEFAI, M. MEDDAD, A. EDDIAI, A. CHERIF, Y. BOUGHALEB, B. SAHRAOUI	13eme International conference on frontiers of polyers & advanced materials	Marrakech	Maroc	2015-03-29
13486	Energy harvesting from piezoelectrical composites	AbdelowahedHajjaji, Sara Aboubakr, Mohamed Rguiti, AdilEddiai, MounirMeddad, YahiaBoughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24

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13487	Non linear optical properties of thin graphene layers by Z Scan technique	S. Harir, A. Zouhair, M. Bennai and Y. Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
13488	The combined effect between initial velocity and zone of repulsion on the Kinetic phase diagram of the Vicsek model	I. Tarras, M. Mazroui, N. Moussa and Y. Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
13489	Energy Autonomous Systems and Future power sources for Wireless Systems	Mounir Meddad, AdilEddiai, Aida Cherif, Abdelwahed Hajjaji and Yahia Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
13490	Effect of Remoissenet-Peyrard potential on the diffusion process	Y. Lachtioui, K. Saadouni, M. Mazroui & Y. Boughaleb	CIMFAT 2014	Casablanca	Maroc	2014-10-24
13491	Study of the instantaneous power harvested by different signals using electro-active polymers	A. Eddiai, M. Meddad, Z. Sabri, A. Hajjaji, M. Mazroui, Y. Boughaleb, A. Cherif, K. Saadouni	CIMFAT 2014	Casablanca	Maroc	2014-10-24
13492	Theoretical calculation of the properties of P-nitroaniline individual molecules	S. Taboukhat, Y. Boughaleb, A. Migalska, A. Charaf, M. Bakasse	CIMFAT 2014	Casablanca	Maroc	2014-10-24
14248	New paleomagnetic	Pablo Calvín, Vicente	4th Castle Meeting: New	Evora	Portugal	2014-09-06

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	study on Jurassic Gabbroic Rocks from the Central High Atlas (Morocco): structural implications	Carlos Ruiz-Martínez, Juan José Villalain, Antonio Casas-Sainz, Bennacer Moussaid. 14th Castle Meeting:	trends on Paleo, Rock and Environmental Magnetism			
14249	Thermal controls on the occurrence of pyrrhotite in magnetite-bearing remagnetized limestones. Results from dikes of the Moroccan High Atlas	J.J Villalain, S. Torres-Lopez, V.C. Luis Martinez, A.Casas, B. Moussaid	General Assembly	Prague	République Tchèque	2015-07-22
14252	Magnetic fabric as a tool to decipher the kinematics of inverted basins; examples from the western Tethys.	B.Moussaid, H. El'Ouardi, J. Villalain, S. Torres AGU	General Assembly	Cancun	Mexico	2013-05-14
17378	Effect of slow and rapid cooling modes on Curie temperature of non-stoichiometric solid solutions Cu: LiTaO <sub>3</sub>	M.Tahiri, A. Jennane, N. Masaif, E.M. Lotfi, E.M. Lemdek and K. Benkhouja	1st International Conference on Theoretical and High Energy Physics - Casablanca, ICCTHP -2016	Casablanca	Maroc	2016-09-22
17379	Synthesis and characterization of new phosphate pigments	E.M. Lemdek, K. Benkhouja, K. Jaafari, M. Bettach, M.Tahiri, N. Masaif, E.M. Lotfi and A. Jennane	1st International Conference on Theoretical and High Energy Physics -Casablanca, ICCTHP	Casablanca	Maroc	2016-09-22

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			-2016			
17380	Experimental and modeled study of the density of Cu-doped LiTaO <sub>3</sub>	M. Tahiri, N. Masaif, A. Jennane, E.M. Lemdek, K. Benkhouja, and E.M. Lotfi	International Conference on the frontiers of polymers and advanced materials ICFPAM'2015	Marrakech	Maroc	2015-03-30
17381	Magnetic properties of hydrothermal synthesized Zn <sub>0,5</sub> Co <sub>0,5</sub> Fe <sub>2</sub> O <sub>4</sub>	K. Benkhouja, E.M. Lemdek, M. Tahiri, N. Masaif, A. Jennane, A. Eddiai and M. Meddad	International Conference on the frontiers of polymers and advanced materials ICFPAM'2015	Marrakech	Maroc	2015-03-30
17382	Forecast study of spontaneous polarization behavior and density behavior of Ni-doped LiMO <sub>3</sub> (M=Nb ou Ta)	M. Tahiri, N. Masaif et A. Jennane	Conference Internationale CIFMAT« Functional Materials and their Technological Applications	Casablanca	Maroc	2014-10-24
17409	Frequency and temperature dependent dielectric and conductivity behavior of LiTaO <sub>3</sub> ceramic	A. El Bachiri, F. Bennani	Frequency and temperature dependent dielectric and conductivity behavior of LiTaO <sub>3</sub> ceramic	Casablanca	Maroc	2016-09-22
17410	Low-Frequency Dispersion Behavior of Impedance Spectra of Li <sub>0.867</sub> Nb <sub>0.988</sub> Ni <sub>0.098</sub> O <sub>3</sub> ceramic	A. El Bachiri, M. El Hasnaoui, F. Bennani	» 1st International Conference on Theoretical Physics and High Energy Physics (ICTHPC-2016)	Casablanca	Maroc	2016-10-22
17411	Electrical properties of LiNbO <sub>3</sub> ceramics	A. El Bachiri, F. Bennani	First International Symposium on Dielectric Materials and	kenitra	Maroc	2016-05-04



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			Applications, ISyDMA 2016			
17413	Impedance Analysis and Low-Frequency Dispersion Behavior Of LiNbO3 ceramics	A. El Bachiri, M. El Hasnaoui, F. Bennani	First International Symposium on Dielectric Materials and Applications, ISyDMA 201	kenitra	Maroc	2016-05-04
17414	Study of the effect of nonstoichiometry on the structure of lithium niobate by using raman spectroscopy	M. Bousslamti, A. El Bachiri, F. Bennani	First International Symposium on Dielectric Materials and Applications, ISyDMA 2016	kenitra	Maroc	2016-05-04
17415	Etude de la conductivités du Niobate de Lithium dopé au Nickel Ni : LiNbO3	A. El Bachiri, F. Bennani, M. Bousslamti	6eme Conférence Francophone sur les Spectroscopies d'Electrons (ELSPEC 2014	Fès	Maroc	2014-05-19
17416	Study of change in the ionic conductivity of Lithium Niobate	A. El Bachiri, F. Bennani, M. Bousslamti	12th International Conference On Condensed Matter and Statistical Physics (ICCMSP)	ERRACHIDIA	Maroc	2013-10-30
17417	Etude de la conductivité statique (dc) du Niobate de Lithium	A. El Bachiri, F. Bennani, M. Bousslamti, (2013)	Fourth International Meeting On Dielectric Materials (IMDM'4)	Marrakech	Maroc	2013-05-29
19269	Study of the dielectric relation and the doping effet on conductivity in	A. El bachiri, F. Bennani	INTERNATIONAL MEETING ON NANO AND SMART MATERIALS FOR	Casablanca	Maroc	2016-04-28

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	Lithium Niobate		RENEWABLE ENARGY NASMARE?28-29 APRIL 2016			
19875	Charge and Magnetic Propreties of 2D Extendes Hubbard Model	A.Zouhair, S.Harir, M.Bennai, Y.Boughaleb	International Meeting of Nano and Smart Mterials for Renewable Energy NASMARE	Casablanca	Morocco	2016-04-28
19876	The Combined Effect of Repulsion Zone and Initial Velocity on Viscok Model	I. Tarras, R.Bakir , A. Hader , M. Mazroui , N.Moussa ,Y.Boughaleb	International Meeting of Nano and Smart Mterials for Renewable Energy NASMARE	Casablanca	Morocco	2016-04-28
19935	The effect of the doped process on the avalanche breaking in composite materials	Achik, H.Sbiaai , A. Hader, R.Bakir, A. Zouhair and Y. Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19936	Study of Kinetic evolution of self-organized systems by Langevin equation	R. Bakir, A. Hader, I.Achik , H.Sbiaai, L. Amallah, M.Mazroui and Y.Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19937	Model of piezoelectric self-powered supply for portable devices using technical textile as a support	N. Chakhchaoui, H. Ennamiri, A. Hajjaji, A. Eddiai, Mounir	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19938	Avalanche breaking	H. Sbiaai, A. Hader, R.	The International	Agadir	Maroc	2017-03-29

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	behaviors and scaling law in failure process of fiber bundle model with randomly oriented fibers	Bakir, I. Achik, A. Zouhair and Y.Boughaleb	conference on Advanced Materials for Photonics, Sensing and Energy Applications			
19939	Diffusion and correlated process in the self-propelled particles: Langevin Equation investigation	L. Amallah, A. Hader, R. Bakir, H. Sbiaai, I. Achik, M. Mazroui And Y.Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19940	The Combined Effect of Repulsion Zone and Initial Velocity on Viscek Model	A. Hader ,R. Bakir, I. Tarras, H. Sbiaai, M. Mazroui and Y.Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19941	Effects of agent's orientation in 2d flocking models with zonal behavior	R. Bakir, I. Tarras, A. Hader, M. Mazroui, and Y. Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19943	The kinetic of damaged region in heterogeneous materials	A.Zouhair, A. Hader, H. Sbiaai, I. Achik, R. Bakir and Y. Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19946	Mott-hopping processes in ferroelectric ceramics of Lithium-niobate materials	A.El Bachiri, F. Bennani, A. Louardi, T.Derraza	The International conference on Advanced Materials for Photonics, Sensing and Energy	Agadir	Maroc	2017-03-29

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			Applications			
19947	Electrical properties modeling of spinel Mg cobalt oxide (Mg <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> ) thin films	L. Soussi, A. Louardi, A. El Bachiri, A. Rmili, T. Chtouki, B. Elidrissi, H. Erguig	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19948	Optical and electrical properties of spinel Mg cobalt oxide(Mg <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> ) thin films	A.Louardi, A. El Bachiri, L. Soussi, O. Karzazi, A. Rmili, T.Chtouki, M. Khaidar, M. Monkade, B. Elidrissi, H. Erguig	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19949	Nonlinear Optical Properties of Azo-based new Organometallic Ruthenium and Iron Complexes	S. Taboukhat, Bohdan Kulyk , Jean-Luc Fillaut , Yahia Boughaleb , Bouchta Sahraoui	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19950	Study of nonlinear optical properties of industrial organic dyes	Aouatif Aamoum, Said Taboukhat, Mina Bakasse, Hafida Bougharraf and Yahia Boughaleb	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19952	Effect of cooling modes on defect structure in Cu-doped lita <sub>3</sub>	M.Tahiri, A. Jennane, N. Masaif and E.M. Lotfi	The International conference on Advanced Materials for Photonics, Sensing and Energy Applications	Agadir	Maroc	2017-03-29
19957	Characterization of the	A. Hader , H. Sbiaai, R.	1st International	Ifrane	Maroc	2017-05-11

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	breaking avalanche phenomenon in the failure process of heterogeneous materials with randomly oriented fibers.	Bakir, L. Amallah and Y.Boughaleb	Materials Science and Engineering for Green Energy Conference			
19958	Scaling behavior Diffusion and correlated process in the self-propelled particles:Langevin Equation investigation	R. Bakir, A. Hader, L. Amallah, H. Sbiaai , I.Achik, M. Mazroui, and Y. Boughaleb	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19959	Correlation motion of self-propelled particles in Langevin dynamic	L. Amallah, A. Hader, R. Bakir, H. Sbiaai, M. Mazroui And Y.Boughaleb	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19961	Elongation behaviors in composite materials with randomly oriented fiber	H. Sbiaai, A. Hader, R. Bakir, L. Amallah, I. Achik, A. Zouhair and Y.Boughaleb	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19962	A self-powered mechanical strain energy sensor.	N. Chakhchaoui, H. Ennamiri, R.Farhan, A. Hajjaji, A. Eddiai, M.Meddad and Y.Boughaleb	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19963	Performance improvements of a micro piezoelectric transformer	N. Chakhchaoui, H. Ennamiri, R.Farhan, A. Hajjaji, A. Eddiai,	1st International Materials Science and Engineering for Green	Ifrane	Maroc	2017-05-11

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	for multiple operating regimes	M.Meddad and Y.Boughaleb	Energy Conference			
19964	Investigation of the conduction processes in ferroelectric ceramics of Lithium-niobate materials	A.El Bachiri, , A. Louardi, T.Derraza ,F. Bennani, K.Nouneh	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19965	Structural, optical and electrical properties of Fe-doped CdS thin films, prepared by spray pyrolysis method	L.Soussi,A.El Bachiri, A.R mili,M.Khaidar,M.Monkade,B.Elidrissi,H.Erguig	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19966	Optical and electrical properties of spinel Mg cobalt oxide (Mg <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> ) thin films	A. Louardi,A.El Bachiri, L.Soussi,O.Karzazi A.Rmili,M.Khaidar,M.Monkade,B.Elidrissi,H.Erguig	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19967	Transparent conducting properties of Mg and Al co-doped ZnO thin films deposited by spray pyrolysis technique	O.Karzazi , L.Soussi, A. Louardi,A.El Bachiri, A.R mili,M.Khaidar,M.Monkade,H.Erguig, B.Elidrissi,M.Taleb	1st International Materials Science and Engineering for Green Energy Conference	Ifrane	Maroc	2017-05-11
19968	Elastic behavior of the fibers under an external stress in the fiber bundle model with randomly oriented fiber	H. Sbiaai, A. Hader, R. Bakir, L. Amallah, I. Achik, A. Zouhair and Y. Boughaleb	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19969	The effect of the stoichiometry on the	I. Achik , H.Sbiaai, A. Hader,d, R.Bakir, A.	La 2ème édition de la conférence internationale	Casablanca	Maroc	2017-10-13

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	failure process in composite materials	Zouhair and Y. Boughaleb	Matériaux Fonctionnels et leurs Applications			
19970	The kinetic of damaged region in heterogeneous materials	A. Zouhair, A. Hader ,H.Sbiaai , R.Bakir, I. Achik and Y. Boughaleb	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19971	Dynamical Study of Scaling behavior and Correlation Process Diffusion in the collective motion	R. Bakir , A. Hader , L. Amallah , H. Sbiaai, I. Achik , M. Mazroui and Y.Boughaleb	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19972	Correlated process in the self-propelled particles: Langevin Equation investigation	L. Amallah, A. Hader, R. Bakir, I. Achik, H. Sbiaai, M. Mazrouib and Y.Boughaleb	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19973	Critical exponents and phase transition of the complex motion TARRAS	I. Tarras ,R.Bakir, A.Hader, M. Mazroui, andY. Boughaleb	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19974	Quantum Entanglement in Ground state of Extended Hubbard Model	Said HARIR, Abdelilah ZOUHAIR , Mohamed BENNAI , Yahia BOUGHALEB	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19975	Linear and nonlinear optical properties of three organometallic compounds	Aouatif AAMOUM, Mina BAKASSE , Hafida BOUGHARRAF , Anna ZAWADZKA , Przemysław	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13

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		PŁÓCIENNIK and Yahia BOUGHALEB				
19976	Mechanical and Electrical Properties of Polyamide /PZT Multifunctional Nanocomposite	R.FARHAN, Nabil CHAKHCHAOU, A.EDDIAI, M.MEDDAD, M.RGUITI, M.MAZROUI, C.COURTOIS, Y.BOUGHALEB	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19978	Fe-doped CdS thin films deposited by spray pyrolysis technique, structural optical and electrical investigations	L. Soussi, A. Rmili, A. Louardi, A. El Bachiri, O. Karzazi, H. Erguig, M. Khaidar, M. Monkade.	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19979	Effect of [Li]/[Nb] ratios on the Raman Spectrum in Lithium Niobate $Li_{1-x}Nb_{1+x}O_3$ Ceramics	A. El Bachiri, A. Louardi, L. Soussic, F. Bennani	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19980	Study of the adsorption of textile red dye on activated carbons from different origins	A. Sahlaoui , K. Elmerzouki, I. Bimaghra, Y. Lghazi	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19982	The electrodeposition mechanism of Cobalt on amorphous substrate glass carbone	Y.Lghazi I.Bimaghra A.Elbachiri. A.Lahbib, K.Elmerzouki	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
19984	Analysis of correlation	M. Tahiri, A. Jennane, N.	La 2ème édition de la	Casablanca	Maroc	2017-10-13



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	between density variations and defect structure of W6+: LiTaO3	Masaif , E. M. Lemdek, E.M. Lotfi and Y. Lachtioui	conférence internationale Matériaux Fonctionnels et leurs Applications			
20078	Meaning of sysedimentary shortening tectonic structures along the northern limb of the Ait Attab syncline (Central high atlas, Morocco)	Hassan El Makrini, Ibrahim Ivanof régis Mahamat, Bennacer Moussaid, Sara Torres-Lopez, Belen Oliva-Urcia, Juan Jos& Villalian and Hmidou El Ouardi	LXI Sesión Científica	Zaragoza	ESPAGNE	2016-12-25
20079	On the age of NNW-SSE ridges development in the northern boundary of central high atlas(oroocco) using paleomagnetic dat	B. Moussaid, A. Casas-Saine, J.J. Villalain, . EIOuardi, B. Oliva, S. Trres-Lopez, T. Roman-Berdiel, R. Soto	MAGIBER X : la X Reunión de la Comisión de Paleomagnetismo de la Sociedad Geológica de España.	Zaragoza (Valle del Grio)	ESPAGNE	2017-09-14
20080	Evolution structurale et reconstruction alinspatique baséee sur des données paléomagnétiques du bassin de Tagguelleft, Haut Atlas Marocain	Moussaid Bannace, Antonio Cassas-Sainz, jun José Vallalain, Hmidou El Ouardi, Bélen Oliva-Urcia, Sara-Lopez, Ruth Soto et Teresa Roman-Berdiel	Les deuxièmes journées jeunes chercheurs en géosciences	Bouznika	Maroc	2017-04-21
23448	Effect of synthesis route on structural, morphological and magnetic proprieties of cobalt ferrite powders	LEMDEK E., BBENKHOUIA K., TAHIRI M., BAQLOUL E.	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
23452	Energy Harvesting From	CHAKHCHAOUI N.,	La 2ème édition de la	Casablanca	Maroc	2017-10-13

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	Human movements via Electroactive polymers and Woven flexible Textiles	FARHANI R., ENNAMIRI H., HAJJAJI A., MEDDAD M., BOUGHALEB Y.	conférence internationale Matériaux Fonctionnels et leurs Applications			
23455	Hyberid energy harvester based on PE-TE layers	SALHI I., BELHORA F., YASSARI M., HAJJAJI A., ELBALLOUTI A., SEVEYRAT L., JAY J., BOUGHALEB Y.	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
23456	Cymbal-type energy harvester based on the polyurethane/lead zirconate titanate composite	RJAFALLAH A., HAJJAJI A., DANIEL GUYOMAR., BELHORA F., BOUGHALEB Y.	La 2ème édition de la conférence internationale Matériaux Fonctionnels et leurs Applications	Casablanca	Maroc	2017-10-13
23525	Removal of dyes of textile rejet activated carbon	K.Elmerzouki,I.Bimaghra, A.Khalidi,Y.Lghazi,A.Sahl aoui	Environnement 2016: Eco-procédés, Traitement et/ou Valorisation des Déchets et des Effluents pour un Environnement Durable	EL Jadida	Maroc	2016-02-18
23534	Descripcion y analisis de una remagnetizacion regional en el Alto Atlas Marroqui. Implicaciones en la evolucion de las paleocuencas mesozoicas	J.J.Villalain, A.M.Casas, V.C.Ruiz-Martinez, H.El Ouardi, A.Mahmoudi, B.Moussaid, M.F.Boglo	2 second International conference of GIS Users	Meknés	Maroc	2014-11-21
23699	Modeling and analysis of	Nabil Chakhchaoui,	International Conference	Gand	Belgique	2017-10-15

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	the effect of substrate on the flexible piezoelectric films for kinetic energy harvesting from textiles.	Habiba Ennamiri, Abdelwahed Hajjaji, Adil Eddiai, Mounir Meddad and Yahia Boughaleb	ITMC 2017			
23877	Evidencias de facies rojas remagnetizadas en el Atlas Medio (Marruecos)	Pablo Calvín, Juanjo Villalaín, Bennacer Moussaid y Abdelkader Mahmoudi	61 Sesión Científica de la SOCIEDAD GEOLÓGICA DE ESPAÑA	Zaragoza	ESPAGNE	2016-11-25
26751	ANISOTROPY EFFECT IN 3D EXTENDED ISING MODEL	A. Elidrysy <sup>1</sup> , A. Zouhair <sup>1</sup> , S. Harir <sup>1,2</sup> and Y. Boughaleb <sup>1</sup>	International Conference on Advances in Energy Technologies, Environmental Engineering and Materials Science	El jadida	Maroc	2018-12-13
26752	Investigation of nucleation and growth mechanism of Bismuth electrodeposited on ITO substrate in 1M nitric acid medium	B. Youbi, Y. Lghazi and I. Bimaghra	Congrès International : Matériaux Appliqués à l'Environnement	Agadir	Maroc	2018-12-05
26753	STUDY OF ADSORPTION OF COLOR RED H-E7B ON ACTIVATED CARBON FROM PALMIER DATTIER SHEETS	A. Sahlaoui, I. Bimaghra, K. ElMerzouki, Y. Lghazi	Congrès International : Matériaux Appliqués à l'Environnement	Agadir	Maroc	2018-12-05
26754	Low-Frequency Dispersion Behavior of Impedance Spectra of	A. EL bachiri, F. Bennani, L. Soussi, A. Louardi.	International Conference on Optics, Information Processing and	kenitra	Maroc	2018-11-22

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	LiTaO3 ceramic		Renewable Energy			
26755	Spin-coated nickel doped cadmium sulfide thin films for solar cells applications	M. Rmili, L. Soussi, A. Louardi, A. El Bachiri, B. Elidrissi and H. Erguig.	International Conference on Optics, Information Processing and Renewable Energy	kenitra	Maroc	2018-11-22
26756	Synthesis and characterization of In doped SnO2 thin films with spray pyrolysis technique	L. Soussi, A. Louardi, A. El Bachiri, O. Karzazi, A. Rmili, H. Erguig, M. Taleb	International Conference on Optics, Information Processing and Renewable Energy	kenitra	Maroc	2018-11-22
26757	The temperature dependence on the electrical conductivity of sprayed Mg <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> thin films for x from 0 to 1	A. Louardi, A. El Bachiri, L. Soussi, O. Karzazi, H. Erguig, M. Khaidar, M. Monkade.	2nd International Materials Science and Engineering for Green Energy Conference (IMSEGEC2018)	Rabat	Maroc	2018-04-25
26758	Spin-coated Fe-doped CdS thin films for solar cells applications	A. Louardi, L. Soussi, A. El Bachiri, A. Rmili, H. Erguig, M. Khaidar, M. Monkade	2nd International Materials Science and Engineering for Green Energy Conference (IMSEGEC2018)	Rabat	Maroc	2018-04-25
26759	Analysis of modulus spectrum of Lithium Niobate ceramics	A. El Bachiri, M. El Hasnaoui, A. Louardi, T. Derraza, F. Bennani, K. Nouneh.	2nd International Materials Science and Engineering for Green Energy Conference (IMSEGEC2018),	Rabat	Maroc	2018-04-25
26760	Transparent conducting	L. Soussi, A. Louardi, A.	2nd International	Rabat	Maroc	2018-04-25

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	properties of Al doped SnO <sub>2</sub> thin films prepared by spray pyrolysis technique	El Bachiri, O. Karzazi, A. Rmili, H. Erguig, M. Taleb.	Materials Science and Engeneering for Green Energy Conference (IMSEGEC2018)			
26761	Contribution a l'étude des propriétés diélectriques et électriques du niobate de lithium par spectroscopie d'impédance complexe	Y. Hmami, L.H. Omari, H. Idrissi, A. El Bachiri, F. Bennani, S. Ouaskit.	VI ème Edition Conférence Internationale Franco-Maghrébine des Nanosciences 'CFMN2018'	Casablanca	Maroc	2018-03-19
26762	Study of electrodeposition mechanism of cobalt on amorphous substrate glass carbone	Y. Lghazi I. Bimaghra, A. El Bachiri. A. Lahbib, B. Youbi.	VI ème Edition Conférence Internationale Franco-Maghrébine des Nanosciences 'CFMN2018'	Casablanca	Maroc	2018-03-19
26833	Investigation of electrodeposition mecanisme of Cobalt on substrate ITO (Idium Tin Oxyde)	Y. Lghazi, I. Bimaghra, B. Youbi, A. Elbachiri, A. Sahlaoui, K. Elmerzouki	1st International Meeting on Alternative &Green Energies	Mohammedia	Maroc	2018-05-08
26835	Study of adsorption of color red H-E7B activated carbon from palmier dattier eheets	A. Sahlaoui, I. Bimaghra, K. Elmerzouki, Y. Lghazi	1st International Conference on Theoretical and High Energy Physics - Casablanca, ICCTHP -2016	Mohammedia	Maroc	2018-05-08
26836	Adsorption of organic	K. Elmerzouki, I.	International Conference	Madrid	Espagne	2018-04-02

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	dyes (red and methylene blue) on activated carbon prepared from wood	Bimaghra, Y; Lghazi and A. Sahaloui	on Communication, Management and Information Technology			
26838	Investigation of the Nucleation Kinetics of Bi and $\Delta$ -Bi <sub>2</sub> O <sub>3</sub> During Electro-Deposition on Substrate ITO	Y. Lghazi <sup>1*</sup> , I. Bimaghra <sup>1</sup> , A. El Bachiri <sup>1</sup> , K. Elmerzouki <sup>1</sup> , B.Youbi <sup>1</sup> and H. Lasri <sup>2</sup>	International Conference on Communication, Management and Information Technology	Madrid	Espagne	2018-04-02
26842	Removal of chromium (III) from aqueous solutions by natural residues adsorbents	F. Chaiboub, A. Khalidi, I.Bimaghra	International Conference on Communication, Management and Information Technology	Madrid	Espagne	2018-04-02
27139	Analysis of defect structure in LiNbO <sub>3</sub> by new mixed vacancy model	M. Tahiri <sup>1*</sup> , N. Masaif <sup>2</sup> , A. Jennane <sup>3</sup> and H. Jalil <sup>2</sup>	VIème Edition Conférence Internationale Franco Maghrébine de Nanosciences (CFMN18)	Casablanca	Maroc	2018-03-19
27140	Structural properties and spontaneous polarization behaviour in Cu-doped LiTaO <sub>3</sub>	M.Tahiri <sup>1*</sup> , A. Jennane <sup>2</sup> , N. Masaif <sup>3</sup> and E.M. Lotfi <sup>4</sup>	The 2nd International Confence on Advances in Energy Technologies, Environmental Engineering and Materials Science	El Jadida	Maroc	2018-12-13
27611	Dynamical properties and scaling behavior of self-propelled particles: Langevin equation treatment	Layla. Amallaha, <sup>*</sup> Ahmed. Hadera, <sup>d</sup> Redouane. Bakira, <sup>b</sup> Imad.Achikb, Hicham. Sbiaaia and	1st international scientific Day of taroudant	Taroudant	Maroc	2018-10-06

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
		Yahia.Boughaleba,c				
27612	Scaling behavior and dynamical properties of self-propelled particles in biological systems: Langevin equation treatment	L. Amallaha,* , A. Hadera,d, R. Bakira,b ,I.Achikb, H. Sbiaaia and Y.Boughaleba,c	International Conference on Advances in Energy Technologies, Environmental Engineering Materials Science (AETEEMS2018).	El Jadida	Maroc	2018-12-13
27623	THE EFFECT OF THE MATRIX-FIBER INTERACTION ON THE FAILURE PROCESS IN COMPOSITE MATERIALS.	Mohammed TANASEHTE1,* , Ahmed Hader2 and Yahia BOUGHALEB1	International Conference on Advances in Energy Technologies, Environmental Engineering Materials science (AETEEMS2018).	El Jadida	Maroc	2018-12-13
27624	The scaling laws of permeability and porosity of porous media based on a complex model	Y. Haritia,* , A. Hadera,d, I. Achika,b , R. Bakira, H. Sbiaaia and Y.Boughaleba,c	International Conference on Advances in Energy Technologies, Environmental Engineering Materials Science (AETEEMS2018).	El Jadida	Maroc	2018-12-13
27626	THE SCALING LAWS OF STOCHASTIC FLUID INTRUSION PROCESS IN POROUS MEDIA	Y. Haritia,* , A. Hadera,d, I. Achika, b, R. Bakira, H. Sbiaaia, and Y.Boughaleba,c	1st international scientific Day of taroudant	Taroudant	Maroc	2018-10-06
29762	ELABORATION ET CARACTERISATION DES COUCHES MINCES DE POLYANILINE POUR LA DEGRADATION D'UN	M. AIT HIMI, I. BIMAGHRA, A. AMARRAY, P. BONNAILLIE, M. AZZI, S. EL GHACHTOULI	La 5ème Edition du colloque international V3D-2018 valorisation des déchets pour un développement durable	Fès	Maroc	2018-05-11

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	COLORANT AZOÏQUE "CALCON"					
29763	ÉTUDE DE L'ADSORPTION DE COLORANT RED H-E7B SUR UN CHARBON ACTIF ISSU DES FEUILLES DE PALMIER DATTIER	A. SAHLAOUI, I. BIMAGHRA, K. ELMERZOUKI, Y. LGHAZI	La 5ème Edition du colloque international V3D-2018 valorisation des déchets pour un développement durable	Fès	Maroc	2018-05-11
29765	Linear and nonlinear optical properties of some selected organic and organometallic compounds	Aouatif Aamoum, Mina Bakasse, Hafida Bougharraf, Anna Zawadzka, Przemyslaw Plociennik, Yahia Boughaleb	International conference on advances in energy technologies, environmental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29767	development of a smart piezoelectric textiles using PVDF polymer and nanocharges of carbon for energy harvesting	Nabil Chakhchaoui, Rida Farhan, Adil Eddiai, Abdelwahed Hajjaji, Mounir Meddad, Omar Cherkaoui, Lieva Van Langnenlove, Yahia Boughaleb	International conference on advances in energy technologies, environmental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29769	Scaling behavior diffusion and correlated process in the self propelled particles: Langevin Equation investigation	Achik Imad, Bakir Redouane, Hader Ahmed, Amallah Layla, Abdelilah Zohair, Mazroui Mhamed, Yahia Boughaleb	International conference on advances in energy technologies, environmental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29770	Diffusion process in failure phenomenon of	Hicham Sbiaai, Hader Ahmed, Bakir Rodouane,	International conference on advances in energy	EL JADIDA	Maroc	2018-12-13



ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
	composite materials with randomly oriented fibers - fiber bundle model study-	Achik Imad, Boufass Siham, Boughaleb Yahia, Zouhair Abdillah	technologies, environnemental Engineering and Materials Sciences			
29771	Monte Carlo Simulation of Layer Thickness Influence and Nearest Neighbor Interaction on a Spin-1 Ising Ferromagnetic System	Mohamed Boucetta, Boughaleb Yahia, Harir Said	International conference on advances in energy technologies, environnemental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29772	Avalanche breaking in composite materials with randomly oriented fibers.	Ahmed Hader, Hicham Sbiaai, Bakir Redouane, Achik Imad, Jalal Hedoui, Boughaleb Yahia	International conference on advances in energy technologies, environnemental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29773	Fibers energy in composite materials with randomly oriented fibers	Siham Boufass, Ahmed Hader, Hicham Sbiaai, Imad Achik, Yahia Boughaleb	International conference on advances in energy technologies, environnemental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29774	Kinetic Monte Carlo Investigations of Surface Morphology in Heteroepitaxial Growth	Dardouri Moloudi, Eddiai Fouad, Hassani Abdessamad, El Azrak Hicham, El Atouani Lakbira, Hasnaoui Abdellatif, Sbiaai Khalid,	International conference on advances in energy technologies, environnemental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13

ID	Intitulé	Auteurs	Conférence	Ville	Pays	Date
		Boughaleb Yahia, Arbaoui Abdezzahid				
29775	Piezoelectric vibration energy harvesters with distinct interdigitated electrodes	Nada El Bouziani, Houda Lifi, Abedolwahed Hajjaji, Yahia Boughaleb	International conference on advances in energy technologies, environmental Engineering and Materials Sciences	EL JADIDA	Maroc	2018-12-13
29776	Structural, optical, electrical and nonlinear optical properties of Fe-doped CdS thin films prepared by spray pyrolysis method	L. Soussi, A. Rmili, A. Louardi, A. El Bachiri, H. Erguig, B. Elidrissi	2nd International Material Sciences and Engineering for Green Energy Conference	Rabat	Maroc	2018-04-25
29777	Study of the magnetic properties of materials using the finite cluster method	Mohamed Boucetta, Said Harir, Yahia Boughaleb	1ST INTERNATIONAL SCIENTIFIC DAY OF TAROUDANNT [ISDT 2018]	Taroudannt	Maroc	2018-10-06

### \*Communications nationales

ID	Intitulé	Auteurs	Conférence	Ville	Date
2159	Removal of dyes of textile rejet by activated carbon	K. ELmerzouki, I.Bimaghra et Y. Lghazi	1er Séminaire National « Disponibilités des données sur l'eau pour les scientifiques, entre enjeux & défis »	Rabat	2015-10-20

ID	Intitulé	Auteurs	Conférence	Ville	Date
2348	Regeneration of actived carbon satured hexavalent chrome	K. El Merzouki, I. Bimaghra, A. Khalidi	1er Séminaire National " Disponibilités des données sur l'eau pour les scientifiques, entre enjeux & défis"	Rabat	2015-11-28
13259	ORGANIC MOLECULES AND THEIR APPLICATIONS FOR NONLINEAR OPTICS	A. AAMOUM , M. BAKASSE , H. BOUGHARRAF , Y. BOUGHALEB	Journée scientifique sur les matériaux avancés : Applications et Devenir/Faculté Polydisciplinaire de Khouribga	Khouribga	2016-06-02
13260	IDENTIFICATION OF A PVDF POLYMER SIMULTANEOUSLY DRIVEN BY AN ELECTRICAL FIELD AND A MECHANICAL EXCITATION	R. Farhan 1 , A. Eddiai 1 , M. Meddad 2 , K. Saadouni , M. Mazroui , M. Rguiti , and Y. Boughaleb	Journée scientifique sur les matériaux avancés : Applications et Devenir/Faculté Polydisciplinaire de Khouribga	Khouribga	2016-06-02
13262	THE STUDY OF COMBINED EFFECT OF REPULSION ZONE AND INITIAL VELOCITY ON THE COLLECTIVE MOTION OF THE VISCEK MODEL	R. Bakir, I. Tarras , A. Hader , H. Sbiaai,, M. Mazroui and Y. Boughaleb	Journée scientifique sur les matériaux avancés : Applications et Devenir/Faculté Polydisciplinaire de Khouribga	Khouribga	2016-06-02
13263	DIFFUSION OF BROWNIAN INTERACTING PARTICLES IN A PERIODIC REMOISSENET-PEYRARD POTENTIAL	L. Arfa1 , M. Ouahmane , L. El Arroum and Y. Boughaleb	Journée scientifique sur les matériaux avancés : Applications et Devenir/Faculté Polydisciplinaire de Khouribga	Khouribga	2016-06-02
13264	DIFFUSION OF SINGLE ADATOMS Cu, Au and Ag ON Au (1 1 1) and Ag (1 1 1)	A. Kotri , E. Elkoraychy , M. Mazroui , & Y. Boughaleb	Journée scientifique sur les matériaux avancés : Applications et	Khouribga	2016-06-02

ID	Intitulé	Auteurs	Conférence	Ville	Date
	SURFACES		Devenir/Faculté Polydisciplinaire de Khouribga		
13265	RELAXATION AND DIFFUSION BARRIERS AT STEP EDGES OF Cu, Ag AND Au HOMO- AND HETEROGENEOUS SYSTEMS: CASE OF (100) FACET	E. Elkoraychya , M. Benlattara , K. Sbiaaib , M. Mazrouia , Y. Boughaleb	Journée scientifique sur les matériaux avancés : Applications et Devenir/Faculté Polydisciplinaire de Khouribga	Khouribga	2016-06-02
13266	THE ORIENTATION FIBERS EFFECT ON THE FAILURE PROCESS IN HETEROGENEOUS MATERIALS	H. Sbiaaia,* , A. Hader, I. Achik , R. Bakir , I. Tarras and Y. Boughaleb	Journée scientifique sur les matériaux avancés : Applications et Devenir/Faculté Polydisciplinaire de Khouribga	Khouribga	2016-06-02
13267	THE EFFECT OF TEMPERATURE AND STUDY OF THE MECHANISM OF ELECTRODEPOSITION OF ZnO ON CARBONE VITREOUS	□ Y. Lghazi1* , I. Bimaghra1 , M. Fliyou1 , K. Elmerzouki , A. Sahlaoui 1.	une journée scientifique : Matériaux Avancés Application et devenir	Khouribga	2016-06-02
13270	ÉTUDE DE L'ADSORPTION D'UN COLORANT DE TEXTILE SUR UN CHARBON ACTIF ISSU DES SCIURES DU BOIS	A. Sahlaoui 1 ,I. Bimaghra1 , M. Fliyou1 , K. Elmerzouki1	journée scientifique : Matériaux Avancés : Applications et Devenir	Khouribga	2016-06-02
13271	OPTICAL ABSORPTION OF THE ZIGZAG CARBON NANOTUBE	A. Saadi, H. Moujri*, M. Fliyou, S. Ouaskit*	journée scientifique : Matériaux Avancés : Applications et Devenir	Khouribga	2016-06-02
13276	A Vibration energy harvester in human movement using piezoelectric PVDF polymer	N. Chakhchaoui, H. Ennamiri, A. Eddiai, A. Hajjaji, M. Meddad, Y. Boughaleb	International meeting on nano and smart materials for renewable energy	Casablanca	2016-04-28

ID	Intitulé	Auteurs	Conférence	Ville	Date
	composites				
17418	Effect of no stoichiometry on structure and properties of LiNbO <sub>3</sub> ceramic prepared from solid-state reaction method	A. El Bachiri, F.Bennani	» Journée Scientifique sous le theme : Matériaux Avancés; Applications et Devenir	Khouribga	2016-06-02
17419	Study of the Dielectric Relaxation and doping On Conductivity in Lithium Niobate	A. El Bachiri, F. Bennani	Nano and Smart Materials for Renewable Energy	Casablanca	2016-04-28
17420	No stoichiometry effect in electrical properties of LiNbO <sub>3</sub> ceramics	□ A. El Bachiri, F.Bennani, M. Bouslamti	Workshop : Matériaux, Modélisation & Applications (WMMA 2015)	TAZA	2015-12-09
17421	Etudes des propriétés électriques et diélectriques de LiNbO <sub>3</sub> par la méthode d'impédance complexe	A. El Bachiri, F.Bennani, M. Bouslamti	Colloque sur les Nanomatériaux (TRAMP 2014)	Marrakech	2014-06-04
23465	Scaling behavior Diffusion and correlated process in the self-propelled particles:Langevin Equation investigation	R. Bakir, A. Hader, L. Amallah, H. Sbiaai , I.Achik, M. Mazroui, and Y. Boughaleb	2 Second Edition of Scientific English	Casablanca	2017-05-25
23468	Avalanche breaking characterization in failure process of fiber bundle model with randomly oriented fibers	H. Sbiaai, A. Hader, R. Bakir, I. Achik, A. Zouhair and Y.Boughaleb	2 Second Edition of Scientific English	Casablanca	2017-05-25
23470	Remote sensing and prospecting for the	Nabil Chakhchaoui, Habiba Ennamiri, Rida Farhan, Adil	2 Second Edition of Scientific English	Casablanca	2017-05-25

ID	Intitulé	Auteurs	Conférence	Ville	Date
	identification of hydrothermal alteration zones	Eddiai.Omar Cherkaoui, Lieva Van Lngenhove, Yahia Boughaleb			
23865	Meaning of sysedimentary shortening tectonic structures along the northern limb of the Ait Attab syncline (Central high atlas, Morocco)	Hassan El Makrini, Ibrahim Ivanof régis Mahamat, Bennacer Moussaid, Sara Torres-Lopez, Belen Oliva-Urcia, Juan Jose Villalian and Hmidou El Ouardi	61 Sesión Científica de la SOCIEDAD GEOLÓGICA DE ESPAÑA	Zaragoza	2016-11-25
26735	MONTE-CARLO SIMULATION FOR 2D AND 3D ISING MODEL	A. Elidrysy <sup>1</sup> , S. Harir <sup>1,2</sup> and Y.Boughaleb <sup>1</sup>	La 9ème édition de la Rencontre Nationale des Jeunes Chercheurs en PhysiqueRNJCP	Casablanca	2018-12-27
27610	Collective motion in biological systems: Langevin Equation investigation	L. Amallaha, <sup>*</sup> , A. Hadera, <sup>d</sup> , R. Bakir a, <sup>b*</sup> , H. Sbiaaia, I. Achikb and Y.Boughaleba, <sup>c</sup>	9ème Rencontre Nationale des jeunes chercheurs en physique	Casablanca	2018-12-27
27618	THE SCALING LAWS OF STOCHASTIC FLUID INTRUSION PROCESS IN POROUS MEDIA	Y. Haritia, <sup>*</sup> , A. Hadera, <sup>d</sup> , I. Achika, b, R. Bakira, H. Sbiaaia, and Y.Boughaleba, <sup>c</sup>	9ème Rencontre Nationale des jeunes chercheurs en physique	Casablanca	2018-12-27
27619	THE EFFECT OF THE MATRIX-FIBER INTERACTION ON THE FAILURE PROCESS IN COMPOSITE MATERIALS	Mohammed TANASEHTE <sup>1,*</sup> , Ahmed Hader <sup>2</sup> and Yahia BOUGHALEB <sup>1</sup>	9ème Rencontre Nationale des jeunes chercheurs en physique	Casablanca	2018-12-27
27621	Scaling law of fluid intrusion process in porous media: Complex model	Y. Haritia, <sup>*</sup> , A. Hadera, <sup>d</sup> , I. Achika, <sup>b</sup> , R. Bakira, H. Sbiaaia and Y.Boughaleba, <sup>c</sup>	3ème Journée Scientifique sur les Méthodes de Modélisation en Sciences Physiques et Mathématiques Appliquées	Casablanca	2018-12-27

ID	Intitulé	Auteurs	Conférence	Ville	Date
27622	MODELISATION OF THE MATRIX-FIBER INTERACTION ON THE FAILURE PROCESS IN COMPOSITE MATERIALS	M.TANASEHTE, A. HADER AND Y. BOUGHALEB	3ème Journée Scientifique sur les Méthodes de Modélisation en Sciences Physiques et Mathématiques Appliquées	Casablanca	2018-12-27
29778	study of spin-1/2 magnetic properties of the ferromagnetic system 2D with Monte Carlo simulation	M. Boucetta, S. Harir, and Y. Boughaleb	3ème édition de la Journée Scientifique sur les Méthodes de Modélisation en Sciences Physiques et Mathématiques Appliquées FSTMohammedia, 27décembre 2018	Mohammedia	2018-12-27
29779	MODELISATION OF THE MATRIX-FIBER INTERACTION ON THE FAILURE PROCESS IN COMPOSITE MATERIALS	M. Tanasehte, A. Hader, Y.Boughaleb	3ème édition de la Journée Scientifique sur les Méthodes de Modélisation en Sciences Physiques et Mathématiques Appliquées FSTMohammedia, 27décembre 2018	Mohammedia	2018-12-27
29780	Scaling law of fluid intrusion process in porous media: Complex model	Y. Harti, A. Hader, I. Achika, Y.Boughaleb	3ème édition de la Journée Scientifique sur les Méthodes de Modélisation en Sciences Physiques et Mathématiques Appliquées FSTMohammedia, 27décembre 2018	Mohammedia	2018-12-27
29963	Transition elongation in heterogeneous materials with randomly oriented fiber: fiber bundle model study	s. BOUFASS, A. Hader, H. SBIAAI, I. ACHIK, A. ZOUHAIR, Y. BOUGHALEB	9ème Rencontre Nationale des jeunes Chercheurs en physique	Casablanca	2018-12-28
29964	Linear optical proprieties of two selected azobenzene	Aouatif Aamoum, Mina Bakasse, Hafida Bougharraf,	9ème Rencontre Nationale des jeunes Chercheurs en	Casablanca	2018-12-28

ID	Intitulé	Auteurs	Conférence	Ville	Date
	derivatives	Anna Zawadzka, Przemyslaw Plociennik, Yahia Boughaleb	physique		

### \*Ouvrages

ID	Intitulé	Auteurs	Editeur	Date
14256	Chapter on Innovative Materials and Systems for Energy Harvesting Applications Functionalization of specific electrostrictive polymes for high power harvesting	Pr Luciano Mescia and Pr Yahia Boughaleb	ISI-Global, Italy	2014

### \*Chapitres d'ouvrage

ID	Intitulé chapitre	Auteurs	Ouvrage	Editeur	Date
2670	Functionalization of specific electrostrictive polymes for high power harvesting	Yahia Bouaghaleb	Inonvative materials and systems for energy harvesting application	IGI global amazon france	2015

### \*Thèses en cours



ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
2924	MARKOU Abdellah	Etude théorique et pratique de la mycorhization contrôlée chez les espèces forestières	Abdellatif Belkouri	2016
3882	Yassine HARITI	Intrusion et Extrusion des Fluides dans les Milieux Poreux	Yahia Boughaleb	2017
3883	Mohammed TANASEHTE	Etude Dynamique d'un Mouvement Collectif des Systèmes Auto-propulsé	Yahia Boughaleb	2017
3884	Mohamed BOUCETTA	Contribution de la Simulation Monté-Carlo à l'étude des Propriétés Magnétiques de Nanomatériaux	Yahia Boughaleb	2017
342	Ahmed Lahyani	Dynamique des fractures dans les matériaux compsites	Yahia Boughaleb	2015
4432	Youbi Boubaker	Etude cinétique des mécanismes d'électrodéposition de Tellure de Bismuth sur le substrat ITO	ITTO BIMAGHRA	2017
343	Abdelkader Rjafallah	Polymères électroactifs dopé au PZT pour la récupération d'énergie	Yahia Boughaleb	2013
4434	El Bazidi Hicham	Etude des Nano-fluides et leur comportement à l'écoulement	ITTO BIMAGHRA	2017
344	Fatma-Ezzahra El Fatnani	Récupération d'énergie thermique par effet pyroélectrique	Yahia Boughaleb	2013
4435	Ait Himi Mohammed	Électrodéposition MnO <sub>2</sub> sur substrat ITO et son application pour la destruction des colorants textiles	ITTO BIMAGHRA	2017

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
345	Hicham Gonaya	Modélisation numérique de la croissance des couches minces : cas de Pt	Yahia Boughaleb	2014
5146	Anouar Idrysy	Modélisation des systèmes magnétiques, étude par simulations Monte Carlo	Yahia Boughaleb	2018
346	Abdelhadi Kotri	Etude de la diffusion moyennant le modèle de BGK	Yahia Boughaleb	2013
347	Said Taboukhat	Etude et diagnostic des propriétés optiques non linéaires de complexes organiques et organométalliques hautement conjugués en vue d'application dans les dispositifs optoélectroniques	Yahia Boughaleb	2014
348	Hicham Sbiaai	modélisation du phénomène de la fraction des matériaux composites par une approche statistique	Yahia Boughaleb	2014
349	Nabil Chakhchaoui	Conversion d'énergie électromécanique et thermomécanique par l'intermédiaire des matériaux piézoélectrique	Yahia Boughaleb	2014
5825	Hamrou Mohamed	Dynamique des mouvements collectifs dans les milieux poreux et trafic routier	Yahia Boughaleb	2018
350	Redouane Bakir	Déposition et diffusion de particules browniennes sur surfaces ouvertes : croissance des surfaces	Yahia Boughaleb	2014
5827	Siham Boufass	Modélisation énergétique pour le phénomène de rupture des matériaux composites	Yahia Boughaleb	2017
351	Aouatif Aamoum	Etude des propriétés optiques non linéaires de certains matériaux organiques	Yahia Boughaleb	2015

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription
352	Youssef Lghazi	Élaboration des couches minces des oxydes Bi <sub>2</sub> O <sub>3</sub> et ZnO (seul ou dopé par le cobalt) par électrodéposition sur ITO	ITTO BIMAGHRA	2014
353	Ahmed Sahlaoui	Élaboration et régénération du charbon actif à partir des résidus naturels: Application à la dépollution des eaux.	ITTO BIMAGHRA	2015
355	Ali Saadi	Propriétés électriques et optiques des matériaux a base de carbone	ITTO BIMAGHRA	2015
2825	Layla Amallah	Dynamique et comportement d'échelle des systèmes physiques auto-organisés	Yahia Boughaleb	2016
2922	Ait Said Lyazid	Préparation, et études expérimentales et théoriques des propriétés physicochimiques de matériaux fonctionnels hybrides	Mostafa Khoukhi	2016
2923	Lahbib Abdelfattah	Etude des propriétés magnétiques et électrique des couches minces électrodéposées sur ITO	ITTO BIMAGHRA	2016

### \*Thèses soutenues

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
281	Adil EDDIAI	Caractérisation et Modélisation des Polymères Electro-actifs: Application à la récupération d'énergie	Yahia Boughaleb	2011	2013-05-24
282	Khalid SBIAAI	Etude de la croissance des couches minces par des méthodes numériques :Méthodes de dynamique moléculaire et Monte Carlo cinétique	Yahia Boughaleb	2011	2013-05-25
283	Abdelillah ZOUHAIR	Etude des propriétés électroniques et magnétiques du Modèle de Hubbard étendu : Aspects structuraux et expérimentaux du Nano graphène	Yahia Boughaleb	2012	2014-05-24
5454	Redouane Bakir	Modélisation des mouvements collectifs des systèmes physiques auto-propulsés hors équilibre	Yahia Boughaleb	2014	2018-05-12
5458	Said Taboukhat	Etude et diagnostic des propriétés optiques non linéaires des composés hautement conjugués en vue d'application dans les dispositifs optoélectroniques	Yahia Boughaleb	2014	2018-07-12
5718	Hicham SBIAAI	Modélisation et Simulation du phénomène de la rupture des Matériaux Composites	Yahia Boughaleb	2014	2018-01-20

ID	Nom Prénom	Sujet	Directeur de thèse	Année de première inscription	Date de soutenance
1012	Abdelkarim Belkebir	Mise en évidence et caractérisations biochimique et moléculaire de trois systèmes de Restriction-Modification de l'ADN dans des souches bactériennes isolées au Maroc	Houssine Azeddoug	2010	2013-05-04
1013	Hanane Bellayou	Exploration immunohistochimique et génétique des Dystrophinopathies et de la Gamma_Sarcoglycanopathie au Maroc	Houssine Azeddoug	2012	2015-12-19