

Curriculum vitæ

BOUMAZA Abdecharif

Né le 25 / 09 / 1959 à Neuilly Sur Seine France

Marié 04 enfants

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Diplômes obtenus :

Baccalauréat mathématiques (1988-Khenchela)

Diplômes des études supérieures ; physique du solide (1983-Université de Constantine)

Diplômes des études approfondies ; métallurgie et matériaux spéciaux (1983) (Université Paris IX –Faculté d'Orsay)

Stage de DEA ; ENSAM-Paris

Doctorat de l'université de Paris IX-Faculté des sciences d'Orsay (1987)

«Oxydation de superalliages protégés par des revêtements M Cr Al Y Ta projetés sous plasma. Effets des éléments mineurs et relation avec les contraintes »

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scholar.google	https://scholar.google.fr/citations?user=isoox2oAAAAJ&hl=fr
researchgate	https://www.researchgate.net/profile/Abdecharif-Boumaza

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Fonctions administratives occupées :

- 1- Sous directeur de la Post Graduation et de la Recherche Scientifique de l'INES- mécanique Oum el Bouaghi 1993 à 1995.
- 2- Membre du Conseil de discipline de l'INES- mécanique Oum el Bouaghi 1994.
- 3- Directeur Adjoint de la Post Graduation et de la Recherche Scientifique – du centre universitaire d'Oum el Bouaghi 1997-2000.
- 4- Directeur de Laboratoire de Recherche : Laboratoire de Matériaux et Structures des Systèmes Electromagnétique et leurs Fiabilités 2001-2003.
- 5- Directeur de l'institut de SETI du 02/05/2004 au 22/12/2004.
- 6- Directeur du centre de l'université de la formation continue; Khenchela 2004/2006.
- 7- Président du conseil scientifique de l'institut des sciences et techniques (avril 2010)
- 8- Chef du domaine (domaine des sciences et techniques), de l'institut des sciences et techniques de Khenchela (Septembre 2010).
- 9- Responsable de la cellule assurance qualité de l'université Laghrour Abbas- Khenchela (2011)
- 10- Président du Conseil Scientifique de la faculté des sciences et technologie Université Laghrour Abbas- Khenchela (2011)

Productions scientifiques :

Book chapter

Cathodoluminescence, ISBN: 978-953-51-0362-2

Peculiarity of the Cathodoluminescence of γ - Alumina Prepared by Calcination of Gibbsite Powder or Generated by Oxidation of a Metallic FeCrAl Alloy

By Djelloul Abdelkader and Boumaza Abdecharif

<http://www.intechopen.com/articles/show/title/peculiarity-of-the-cathodoluminescence-of-alumina-prepared-by-calcination-of-gibbsite-powder-or-gene>

Transition alumina phases induced by heat treatment of boehmite: an X-ray diffraction and infrared spectroscopy study

A Boumaza, L Favaro, J Lédion, G Sattonnay, JB Brubach, P Berthet, ...
Journal of solid state chemistry 182 (5), 1171-1176

XPS, FTIR, EDX, and XRD Analysis of Al_2O_3 Scales Grown on PM2000 Alloy

K Djebaili, Z Mekhalif, A Boumaza, A Djelloul
Journal of spectroscopy 2015

Experimental and ab initio infrared study of χ -, κ -and α -aluminas formed from gibbsite

L Favaro, A Boumaza, P Roy, J Lédion, G Sattonnay, JB Brubach, ...
Journal of Solid State Chemistry 183 (4), 901-908

Specific signatures of α -alumina powders prepared by calcination of boehmite or gibbsite

A Boumaza, A Djelloul, F Guerrab
Powder Technology 201 (2), 177-180

Calcination products of gibbsite studied by X-ray diffraction, XPS and solid-state NMR

A Malki, Z Mekhalif, S Detriche, G Fonder, A Boumaza, A Djelloul
Journal of Solid State Chemistry 215, 8-15

Characterization of precipitates in a 7.9 Cr–1.65 Mo–1.25 Si–1.2 V steel during tempering

H Djebaili, H Zedira, A Djelloul, A Boumaza
Materials characterization 60 (9), 946-952

Relation between the residual stresses and the high-temperature oxidation resistance of superalloys protected by plasma-sprayed coatings. II

AM Huntz, JL Lebrun, A Boumaza
Oxidation of metals 33, 321-355

Crystal structure and spectral of new hydrazine-pyran-dione derivative:
DFT enol↔hydrazone tautomerization via zwitterionic intermediate,
hirshfeld analysis and optical ...

A Guerraoui, A Djedouani, E Jeanneau, A Boumaza, A Alsalme, ...
MOLSTR 1220 (128728), 1-10

Parameters affecting oxide adherence in nickel based alloys and techniques
allowing estimation of adherence

AM Huntz, JG Zhao, A Boumaza, G Moulin
Materials science and technology 4 (5), 470-478

Complex of 4-(2-aminophenyl)- 1, 2, 3-thiadiazole with 2, 3-dichloro-5,
6-dicyano-1, 4-benzoquinone: Experimental study and investigation
at different exchange-correlation ...

H Bougherara, R Kadri, M Kadri, M Yekhllef, A Boumaza
Journal of Molecular Structure 1223, 128855

Estimation of the intrinsic stresses in α -alumina in relation with its elaboration mode

A Boumaza, A Djelloul
Journal of Solid State Chemistry 183 (5), 1063-1070

Peculiarity of the Cathodoluminescence of γ -Alumina Prepared by Calcination
of Gibbsite Powder or Generated by Oxidation of a Metallic FeCrAl Alloy

D Abdelkader, B Abdecharif
Cathodoluminescence

The effect of the natural raw barite and the dolomite material on borate glass formation

K Abdellaoui, A Ratep, A Boumaza, I Kashif, H Donya
Journal of Fundamental and Applied Sciences 10 (1), 281-300

Characterization by Photoluminescence and Raman Spectroscopy of the
Oxide Scales Grown on the PM2000 at High Temperatures

S Hakkar, S Achache, F Sanchette, Z Mekhalif, N Kamoun, A Boumaza
Journal of Molecular and Engineering Materials 7 (01n02), 1950003

Improvement of the oxidation resistance of superalloys by low-pressure,
plasma-sprayed MCrAlYTa coatings. I

AM Huntz, A Boumaza, G Moulin
Oxidation of metals 30, 141-183

A rhodanine derivative as a potential antibacterial and anticancer agent:
Crystal structure, spectral characterization, DFT calculations,
Hirshfeld surface analysis, in silico ...

A Guerraoui, M Goudjil, A Direm, A Guerraoui, İY Şengün, C Parlak, ...

Characterization and antibacterial activity of gelatin-based film incorporated with *Arbutus unedo* L. fruit extract on *Sardina pilchardus*

TI Imane Bouhanna, Abdelhalim Boussaa , Abdecharif Boumaza, Daniela Rigano ...
J Food Process Preserv. 45 (45(1)), 1-11

Novel high/ultrahigh pressure structures of TiO₂ with low band gaps

AB D. Bedghioua, F. Hamza Reguig
Computational Materials Science 166, 303–310

Oxidation Behaviour of Superalloys Protected by Plasma Sprayed MCrAlYTa Coatings

AM Huntz, A Boumaza, G Moulin, JL Lebrun
Key Eng. Mater. 20 (4), 3565-3576

Comparative study of thermal and compositional properties of Aïn M'lila dolomite, CaCO₃, and MgCO₃ using TG and FTIR analyses

K Abdellaoui, D Bedghiou, A Boumaza
Journal of Advanced Research in science and Technology 7, 42-53

Structural, optical and thermal characterizations of lithium borate glasses containing the barite

K Abdellaoui, IZ Hager, HA Othman, A BOUMAZA, NT Kamoun
Defect and Diffusion Forum 397, 24-38

Fatigue life prediction of welded box structures

H Zedira, J Gilgert, A Boumaza, P Jodin, Z Azari, G Pluvinage
Strength of materials 36, 558-564

Relation between the oxidation behaviour of superalloys protected by plasma sprayed NiCoCrAlYTa coatings and metallurgical or mechanical parameters

AM Huntz, A Boumaza, G Moulin, JL Lebrun
Advanced Materials and Processing Techniques for Structural Applications ...

Oxydation de superalliages protégés par des revêtements MCrAlYTa projetés sous plasma. Effet des éléments mineurs et relation avec les contraintes

A Boumaza, AM Huntz,
Thèse, 1987, Orsay

Electrochemical urea biosensor based on *Proteus mirabilis* urease immobilized over polyaniline PANi-Glassy carbon electrode

S Atailia, A Baraket, S Rabai, M Benounis, N Jaffrezic, H Araar, ...

Electroanalysis 35 (9), e202200502

Effects of olive mill wastewater and olive mill pomace on soil physicochemical properties and soil polyphenols

N Mekersi, D Addad, K Kadi, S Casini, DK Hackenberger, A Boumaza, ...
Journal of Material Cycles and Waste Management 25 (3), 1404-1416

Performance of self-compacting concrete in hot arid climate

AB Hachemi BENADDI, Bouzidi MEZGHICHE, Mohamed SALHI
építôanyag - Journal of Silicate Based and Composite Materials 74 (3), 97- 107

Study of Chemical and Physical Characterization of the Natural Dolomite of Ain Mlila-Algeria

K Abdellaoui, A Boumaza, N Kamoun
Defect and Diffusion Forum 406, 481-491

Crystal structure and spectral of new hydrazine-pyran-dione derivative: DFT enol \leftrightarrow hydrazone tautomerization via zwitterionic intermediate, hirshfeld analysis and optical ...

G Abdenour, A Djedouani, E Jeanneau, A Boumaza, A Alsalmé, ...
Journal of Molecular Structure, Volume 1220, 15 November 2020, 128728

Complex of 4-(2-aminophenyl) -1,2,3- thiadiazole with 2,3-dichloro- 5, 6-dicyano-1, 4- benzoquinone: Experimental study and investigation at different exchange-correlation ...

AB Hadjer Bougherara, Rayene Kadri, Mekki Kadri, Mohamed Yekhléf
MOLSTR 1223 (128855), 1-15

CORROSION BEHAVIOR OF API N80 STEEL MATERIAL IN ALBIEN WATER

F Chelgham, N Bouzid, M Saidi, A Boumaza, A Taabouche, S Boudjema
Journal of Fundamental and Applied Sciences 10 (3), 300-319

Etude et calcul des déformations thermoélastiques dans un solide anisotrope par la méthode des éléments finis

S Bouzid, A Boumaza
université Oum-EI-Bouaghi

Temperatures field calculation in an anisotropic solid through finite elements method, tridimensional case

S Bouzid, AC Boumaza, M Zaabat
JOURNAL OF NEW TECHNOLOGY AND MATERIALS 7 (2), 117-122