***Liste des productions scientifiques (publication, communication,....)***

***Année 2019***

**Faculté: FACULTE DES MATHEMATIQUES DE L’INFORMATIQUE ET DES SCIENCE…DE LA MATIER**

**Département: Science de la matière**

**Domaine de recherche: PHYSIQUE DES MATERIAUX**

**LABORATOIRE: de physique des matériaux L2PM**

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| ***Publications Internationales*** | | | | | | | | |
| ***Titre*** | ***Auteurs*** | ***Revue*** | ***Catégorie de la revue***   * ***A+, A , B-Scopus, B-non Scopus, non classée*** | ***Année*** | ***Micro domaine*** | ***Volume*** | ***Page*** | ***URL*** |
| [Effects of the number of layers on the vibrational, electronic and optical properties of alpha lead oxide](javascript:void(0)) | Ali Bakhtatou and Fatih Ersan | Physical Chemistry Chemical Physics | A | *2019* | *Physique de la matière condensée* | 21 (7) | 3868-3876 | <https://pubs.rsc.org/en/content/articlelanding/2019/cp/c8cp07327a/unauth#!divAbstract> |
| First-Principle Predictions of Electronic Properties and Half-Metallic Ferromagnetism in Vanadium-Doped Rock-Salt CaS | OUAFA HAMIDANE and  ATHMANE MEDDOUR and  CHAHRAZED BOUROUIS | Journal of Electronic  Materials | A | 2019 | *Physique de la matière condensée* | 48 | 3276-3284 | <https://link.springer.com/article/10.1007/s11664-019-07087-9> |
| First-Principles Investigations on Structural, Elastic, and Thermodynamic Properties  of CaX (X = S, Se, and Te) under Pressure | Rafik Maizi, Abdel-Ghani Boudjahem, and Mouhssin Boulbazine | *Russian Journal of Physical Chemistry A* | A | 2019 | *Physique de la matière condensée* | *Vol. 93No. 13* | *pp. 2726–2734* | https://link.springer.com/content/pdf/10.1134/S0036024419130181.pdf |
| A Systematic Study of Structural, Magneto-Electronic  and Thermodynamic Properties of Mg1−xCrxSe DMS Alloys  in the Rock–Salt Phase for Spintronic Applications | *ZEYNEB BORDJIBA*  *ATHMANE MEDDOUR*  *CHAHRAZED BOUROUIS* | *Journal of ELECTRONIC MATERIALS* | A | 2019 | *Physique de la matière condensée* | 48 | 3248 | <https://doi.org/10.1007/s11664-019-07043-7> |
| [*Theoretical Investigation of the Electronic Structure and Magnetic Properties in Ferromagnetic Rock-Salt and Zinc Blende Structures of 3d (V)-Doped MgS*](javascript:void(0)) | *ZeynebAbdelli, AthmaneMeddour, ChahrazedBourouis, Mohammed HadiGous* | Journal of Electronic Materials | A | *2019* | *Physique de la matière condensée* | 48 | pages3794–3804 | [*https://link.springer.com/article/10.1007%2Fs11664-019-07112-x*](https://link.springer.com/article/10.1007%2Fs11664-019-07112-x) |

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| ***Communications Internationales*** | | | | | | | | |
| ***Titre*** | ***Auteurs*** | ***Intitulé de manifestation*** | * ***Proceeding de la conférence indexé dans Scopus*** *( oui /non )* | ***Micro domaine*** | ***Année*** | ***Volume*** | ***Page*** | ***URL*** |
| *A Computational Ab initio Study of CaS Semiconductors And Their Ternary Alloys Ca1-xVxS* | *Author : O. Hamidane ; co author :A. Meddour ;co author :Ch. Bourouis* | *conferencesur les Sciences et Génie des Matériaux et leur impact sur l'Environnement (ICMSE@2019* | oui | *Physique de la matière condensée* | *2019* | */* | */* | <https://www.univ-sba.dz/icmse/> |
| *The Electronic Half- Metallic And Magnetic Properties Of Ca1-xCrxS Diluted Magnetic Insulator And Semiconductor: Alloys Insights From The First Principle Calculations* | *Author : O. Hamidane ; co author :A. Meddour ;co author :Ch. Bourouis* | *conference sur la Thermodynamique des Alliages Métalliques “ WITAM 2019” univ Batna* | oui | *Physique de la matière condensée* | *2019* | */* | */* | <http://witam2019.univ-batna.dz/index.php?option=com_content&view=article&id=5&Itemid=110&lang=fr#:~:text=Vous%20%C3%AAtes%20invit%C3%A9s%20%C3%A0%20participer,13%20et%2014%20Novembre%202019.> |