

## Articles parus dans des revues

N°	Nom et prénom du Chercheur	Titre	Intitulé de la Revue	Date de Publication	Lien de l'Article sur le site de la Revue
1	S. Blel, Ajmi B.H Hamouda	Formation of Ag and Co Nanowires at the step of Cu(100) vicinal surfaces: A Kinetic Monte Carlo Study, VACCUM 151	VACCUM 151 (2018)	2018	<a href="https://doi.org/10.1016/j.vacuum.2018.02.017">https://doi.org/10.1016/j.vacuum.2018.02.017</a>
2	Jemii, E., Mazouz, M., Benali M., Ghédira L.	Determination of the activity level in powdered milk available in Tunisia and assessment of the radiological risks, J. Radio. and Nucl. Chem.	J. Radio. and Nucl. Chem.,	2018	<a href="https://doi.org/10.1007/s10967-018-5965-3">https://doi.org/10.1007/s10967-018-5965-3</a>
3	Jemii, E.	Measurements of natural radioactivity in infant formula and radiological risk assessment, J. Radio. and Nucl. Chem. 315(2)	J. Radio. and Nucl. Chem.	2018	<a href="https://doi.org/10.1007/s10967-017-5646-7">https://doi.org/10.1007/s10967-017-5646-7</a>
4	Fradi A.	Measurement of unpolarized and polarized cross sections for deeply virtual Compton scattering on the proton at Jefferson Laboratory with CLAS	Physical Review C 98 (4)	2018	<a href="https://doi.org/10.1103/PhysRevC.98.045203">https://doi.org/10.1103/PhysRevC.98.045203</a>
5	Fradi A.	Beam-target helicity asymmetry $e$ in $KO \Lambda$ and $KO \Sigma^0$ photoproduction on the neutron	Physical Review C 98(4)	2018	<a href="https://doi.org/10.1016/j.physletb.2020.135662">10.1016/j.physletb.2020.135662</a>
6	Fradi A.	Exclusive photoproduction of $\pi^0$ up to large values of Mandelstam variables $s$ $t$ and $u$ with CLAS	Physical Review C 98(1), 015207 (2018).	2018	<a href="https://doi.org/10.1103/PhysRevC.98.015207">https://doi.org/10.1103/PhysRevC.98.015207</a>
7	Fradi A.	First measurement of $\Xi^-$ polarization in photoproduction	Physics Letters B 783	2018	<a href="https://doi.org/10.1016/j.physletb.2018.07.004">https://doi.org/10.1016/j.physletb.2018.07.004</a>

8	Fradi A.	Measurement of the beam asymmetry and the target asymmetry in the photoproduction of mesons off the proton using CLAS at Jefferson Laboratory, Physical Review C 97 (5),	Physical Review C 97 (5)	2018	<a href="https://doi.org/10.1103/PhysRevC.97.055202">https://doi.org/10.1103/PhysRevC.97.055202</a>
9	Fradi A.	Semi-inclusive $\pi^0$ target and beam-target asymmetries from 6 GeV electron scattering with CLAS	Physics Letters B 782, 662 (2018).	2018	<a href="https://doi.org/10.1016/j.physletb.2018.06.014">https://doi.org/10.1016/j.physletb.2018.06.014</a>
10	Fradi A.	Double $K_S^0$ photoproduction off the proton at CLAS,	Physical Review C 97(2),	2018	<a href="https://doi.org/10.1103/PhysRevC.97.025203">10.1103/PhysRevC.97.025203</a>
11	M.H. Gazzah	Numerical study of local entropy generation in a heated turbulent plane jet developing in a co-flowing stream,	Applied Mathematical Modelling, Volume 62, 2018	2018	<a href="https://doi.org/10.1016/j.apm.2018.06.020">https://doi.org/10.1016/j.apm.2018.06.020</a>
12	Y. Saad, M.H Gazzah	Theoretical evaluation of a fiber-optic SPR biosensor based on a gold layer treated with thiol acid,	Eur. Phys. J. Appl. Phys,	2018	<a href="https://doi.org/10.1051/epjap/2018180059">https://doi.org/10.1051/epjap/2018180059</a>
13	M.H. Gazzah	Entropy generation concept for a turbulent plane jet with variable density,	Computers & Fluids, Volume 168, 30	2018	<a href="https://doi.org/10.1016/j.compfluid.2017.01.003">https://doi.org/10.1016/j.compfluid.2017.01.003</a>
14	M. Ben Hadj Ayed, R. Hamdi, H. Ghalla, B. Oujia	Theoretical investigation of the electronic properties of alkali atoms interacting with helium rare gas using a pseudopotential approach	Theo. Chem. Acc.	2018	<a href="https://doi.org/10.1007/s00214-018-2266-4">https://doi.org/10.1007/s00214-018-2266-4</a>
15	H. Ghalla, N. Issaoui	Intermolecular interactions and molecular docking investigations on 4-methoxybenzaldehyde, Comput	Comput. Mat. Sci. 149 (2018)	2018	<a href="https://doi.org/10.1016/j.commatsci.2018.03.042">https://doi.org/10.1016/j.commatsci.2018.03.042</a>
16	H. Ghalla	Experimental and computational study of electronic, electrochemical and thermal properties of quinoline phosphate,	J. Mol. Struct. 1162 (2018)	2018	<a href="https://doi.org/10.1016/j.molstruc.2018.02.085">https://doi.org/10.1016/j.molstruc.2018.02.085</a>

17	Rafika Hamdi, Leila Mejrissi, Brahim Oujia	Questioning the structure of Sr+Arn clusters,	Eur. Phys. J. D (2018)	2018	<a href="https://doi.org/10.1140/epid/e2018-90160-5">https://doi.org/10.1140/epid/e2018-90160-5</a>
18	Rafika Hamdi, Kawther Abdessalem, Riadh Dardouri, Brahim Oujia	Spectroscopic and electric dipole properties of Sr+Ar and SrAr systems including high excited states	J. Phys. B: At. Mol. Opt. Phys. 2018	2018	<a href="https://doi.org/10.1088/1361-6455/aa977d">10.1088/1361-6455/aa977d</a>
19	Issaoui, N.	molecular structure, vibrational and theoretical studies of a new non-centrosymmetric organic sulphate with promising NLO properties	Journal of Molecular Structure, 1171	2018	<a href="https://doi.org/10.1016/j.molstruc.2018.06.041">https://doi.org/10.1016/j.molstruc.2018.06.041</a>
20	Issaoui, N.	Synthesis and characterization of p-xylylenediaminium bis(nitrate). Effects of the coordination modes of nitrate groups on their structural and vibrational properties (2018)	Journal of Molecular Structure	2018	<a href="https://doi.org/10.1016/j.molstruc.2018.09.027">https://doi.org/10.1016/j.molstruc.2018.09.027</a>
21	L. Mejrissi, H. Habli, B. Oujia	Charge transfer ionic character illustration for strontium hydride ion through a diabatic investigation.	International Journal of Quantum Chemistry	2018	<a href="https://doi.org/10.1002/qua.25680">https://doi.org/10.1002/qua.25680</a>
22	S. Jellali, H. Habli, L. Mejrissi, B. Oujia,	Spectroscopic and structural investigation for the ground and excited states of CaNa+ molecular ion.	Journal of Quantitative Spectroscopy and Radiative Transfer	2018	<a href="https://doi.org/10.1016/j.igsrt.2018.01.025">10.1016/j.igsrt.2018.01.025</a>
23	Marwa Ben Manaa, Abdelmottaleb Ben Lamine	Adsorption isotherms of N3 dye on TiO2 mesoporous for dye sensitized solar cells: Their realization, their modeling and consequent interpretations using a statistical physics treatment	Journal of Alloys and Compoun 765	2018	<a href="https://doi.org/10.1016/j.jallcom.2018.06.234">https://doi.org/10.1016/j.jallcom.2018.06.234</a>

24	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Insights on the statistical physics modeling of the adsorption of Cd <sup>2+</sup> and Pb <sup>2+</sup> ions on bentonite-chitosan composite in single and binary systems	Chemical Engineering Journal 354 (0018) 569-576.	2018	<a href="https://doi.org/10.1016/j.cej.2018.08.073">https://doi.org/10.1016/j.cej.2018.08.073</a>
25	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Synthesis and characterization of a novel amphoteric adsorbent coating for anionic and cationic dyes adsorption: Experimental investigation and statistical physics modelling	Chemical Engineering Journal 351 (2018) 221-229.	2018	<a href="https://doi.org/10.1016/j.cej.2018.06.092">https://doi.org/10.1016/j.cej.2018.06.092</a>
26	Nadia Bouaziz, Marwa Ben Manaa, Abdelmottaleb Ben Lamine	Physicochemical and thermodynamic investigation of hydrogen absorption and desorption in LaNi <sub>3.8</sub> Al <sub>1.0</sub> Mn <sub>0.2</sub> using the statistical physics modeling	results in physics 9 (2018) 1323-1334	2018	<a href="https://doi.org/10.1016/j.rinp.2018.04.035">https://doi.org/10.1016/j.rinp.2018.04.035</a>
27	Ismahene Ben Khemis, Nesrine Mechi, Abdelmottaleb Ben Lamine	Stereochemical study of mouse muscone receptor MOR215-1 and vibrational theory based on statistical physics formalism	Progress in Biophysics and Molecular Biology 136 (2018)	2018	<a href="https://doi.org/10.1016/j.pbiomolbio.2018.02.004">https://doi.org/10.1016/j.pbiomolbio.2018.02.004</a>
28	Bouزيد Mohamed, Ben Lamine Abdelmottaleb	New insight in adsorption of pyridine on the two modified adsorbents types MN200 and MN500 by means of grand canonical ensemble	Journal of Molecular Liquids 263 (2018) .	2018	<a href="https://doi.org/10.1016/j.molliq.2018.05.008">https://doi.org/10.1016/j.molliq.2018.05.008</a>
29	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	A new statistical physics model for the ternary adsorption of Cu <sup>2+</sup> , Cd <sup>2+</sup> and Zn <sup>2+</sup> ions on bone char: Experimental investigation and simulations	Chemical Engineering Journal 343 (2018)	2018	<a href="https://doi.org/10.1016/j.cej.2018.03.033">https://doi.org/10.1016/j.cej.2018.03.033</a>
30	Marwa Ben Manaa, Nadia Bouaziz, Abdelmottaleb Ben Lamine	Study of the effect of variation in temperature and pH on the adsorption process of natural gardenia yellow dye into TiO <sub>2</sub> mesoporous for dye sensitized solar cells using the statistical physics formalism: Physicochemical and thermodynamic investigation	Microporous and Mesoporous Materials 270 (2018)	2018	<a href="https://doi.org/10.1016/j.micromeso.2018.05.007">https://doi.org/10.1016/j.micromeso.2018.05.007</a>

31	Mohamed Bouzid, Abdelmottaleb Ben Lamine	Experimental and theoretical study of hydrogen absorption by $\text{LaNi}_{3.6}\text{Mn}_{0.3}\text{Al}_{0.4}\text{Co}_{0.7}$ alloy using statistical physics modeling	International Journal of Hydrogen Energy 43 (2018)	2018	<a href="https://doi.org/10.1016/j.ijhydene.2018.02.201">https://doi.org/10.1016/j.ijhydene.2018.02.201</a>
32	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Equilibrium study of single and binary adsorption of lead and mercury on bentonite-alginate composite: Experiments and application of two theoretical approaches	Journal of Molecular Liquids 253 (2018)	2018	<a href="https://doi.org/10.1016/j.molliq.2018.01.056">https://doi.org/10.1016/j.molliq.2018.01.056</a>
33	Nesrine Mechi , Ismahen Ben Khemis, Abdelmottaleb Ben Lamine	Structural characterization and hydrogen sorption properties of the $\text{Mg}_{50}\text{Ni}_{45}\text{Cr}_5$ alloy	Chinese Journal of Physics 56 (2018)	2018	<a href="https://doi.org/10.1016/j.ciph.2017.12.005">https://doi.org/10.1016/j.ciph.2017.12.005</a>
34	Mohamed Bouzid, Abdelmottaleb Ben Lamine	Theoretical study of hydrogen absorption and desorption in $\text{Ti}_{1-x}\text{Zr}_x\text{Mn}_{1.4}$ using statistical physics treatment: Microscopic investigation and thermodynamic potential interpretation	International Journal of Hydrogen Energy 43 (2018)	2018	<a href="https://doi.org/10.1016/j.ijhydene.2017.11.049">10.1016/j.ijhydene.2017.11.049</a>
35	Salah Knani, Mohamed Ben Yahia	Statistical modeling of adsorption isotherm of potassium on aza[7] helicene-coated gold electrode attached to quartz crystal microbalance	Separation Science and Technology 54 (2018)	2018	<a href="https://doi.org/10.1080/01496395.2018.1546743">https://doi.org/10.1080/01496395.2018.1546743</a>