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	Kinetic Monte Carlo simulation of Ni nanowires on Cu(1 0 0) stepped surfaces	Results in Physics 12 (2019) 1475-1480.	2019	https://doi.org/10.1016/j.rinp.2019.01.050
2	S. Blel, Ajmi B.H Hamouda	"Surface morphology and a dynamic scaling analysis in epitaxial growth: A Kinetic Monte Carlo Study"	Physica A 524 (2019) 112-120,	2019	https://doi.org/10.1016/j.physa.2019.03.021
3	S. Blel, Ajmi B.H Hamouda	Formation of Fe nanowires on Cu(1 0 0) vicinal surfaces"	Results in Physics 15 (2019) 102638	2019	https://doi.org/10.1016/j.rinp.2019.102638
4	M. Benali	New Insight in the Q2-Dependence of Proton Generalized Polarizabilities	Phys.Rev.Lett. 123 no.19, 192302 (2019).	2019	https://doi.org/10.1103/PhysRevLett.123.192302
5	Benali M.	Virtual Compton scattering measurements in the nucleon resonance region.	The European Physical Journal A 55, 182 (2019).	2019	https://doi.org/10.1140/epja/i2019-12877-0
6	Benali M.	The MORA project.	Hyperfine Interactions, 240, Article 63. (2019).	2019	https://doi.org/10.1007/s10751-019-1611-x
7	Benali, M.	The open LPC Paul trap for precision measurements in beta decay.	The European Physical Journal A 55, 101 (2019).	2019	https://doi.org/10.1140/epja/i2019-12777-3
8	Fradi A.	First Measurements of the Double-Polarization Observables and in Photoproduction off Transversely Polarized Protons in the Resonance Region	Physical review letters 122 (16), 162301 (2019).	2019	10.1103/PhysRevLett.122.162301

9	Fradi A.	Exploring the structure of the bound proton with deeply virtual Compton scattering	Physical review letters 123 (3), 032502 (2019).	2019	https://doi.org/10.1103/PhysRevLett.123.032502
10	Jalel Mhalla, Sondes Boughammoura, Anis Ghazouani	Some New Contributions to the Theory of Polyelectrolyte Solutions: Prediction of Polyion Conformation and Interpretation of Some Deviations from Kohlrausch's Law According to the Superposition Principle and the Dielectric Friction Effect	Journal of Solution Chemistry 48(11)-December 2019.	2019	https://doi.org/10.1007/s10953-019-00916-9
11	H. Chtioui, K. Bouchlaghem, M.H. Gazzah	Identification and assessment of intense African dust events and contribution to PM10 concentration in Tunisia	Eur. Phys. J. Plus, (2019) 134: 575.	2019	https://doi.org/10.1140/epjp/i2019-13066-4
12	B, Chouchen, M.H. Gazzah	Modeling the impact of temperature effect and polarization phenomenon on InGaN/GaN-Multi-quantum well solar cells	Optik, 199, 163385 (2019) 1-8.	2019	https://doi.org/10.1016/j.ijleo.2019.163385
13	K. Laajimi, M.H. Gazzah	Enhancement of magnetocaloric effect by Nickel substitution in La0.67Ca0.33Mn0.98Ni0.02O3 manganite oxide	Journal of Magnetism and Magnetic Materials, 24, July 2019, 165625.	2019	https://doi.org/10.1016/j.jmmm.2019.165625
14	Y. Saad, M.H Gazzah	Performance enhancement of a copper-based optical fiber SPR sensor by the addition of an oxide layer	Optik, 190 (2019) 1-9.	2019	https://doi.org/10.1016/j.ijleo.2019.05.089
15	K. Laajimi, M.H. Gazzah	Room temperature magnetocaloric effect and critical behavior in La0.67Ca0.23Sr0.1Mn0.98Ni0.02O3 oxide	J Mater Sci: Mater Electron, (2019) 30: 11868.	2019	https://doi.org/10.1007/s10854-019-01510-x

16	B. Chouchen, M.H Gazzah	Numerical modeling of InGaN/GaN p-i-n solar cells under temperature and hydrostatic pressure effects	AIP Advances, 9, 045313 (2019).	2019	https://doi.org/10.1063/1.5092236
17	B. Chouchen, M.H Gazzah	Numerical modeling of the electronic and electrical characteristics of InGaN/GaN-MQW solar cells	Materials, 2019, Apr; 12 (8): 1241.	2019	https://doi.org/10.3390/ma12081241
18	M.H Gazzah	Electro-thermal modeling for InxGa1-xN/GaN based quantum well heterostructures	Materials Science in Semiconductor Processing, 2019, 93, pp. 231-237.	2019	https://doi.org/10.1016/j.mssp.2019.01.011
19	H. Ghalla	Crystal structure, DFT studies and thermal characterization of new luminescent stannate (IV) based inorganic-organic hybrid compound	J. Mol. Struct. 1224 (2019) 129266.	2019	https://doi.org/10.1016/j.molstruc.2020.129266
20	S.Mtiri, M. Laajimi, H. Ghalla, B. Oujia,	Microsolvation of Ca2+ cation in small Xen clusters: Structures and relative stabilities	Physica B: Condensed Matter 578 (2020) 411849.	2019	https://doi.org/10.1016/j.physb.2019.411849
21	H. Ghalla	DFT and TD-DFT investigation of calix[4]arene interactions with TFSI− ion	Heliyon, 5 (2019) 02822.	2019	https://doi.org/10.1016/j.heliyon.2019.e02822
22	H. Ghalla	Synthesis, characterization, DFT calculations, electric and dielectric properties of (C6H10(NH3)2) CdCl4 H2O organic-inorganic hybrid compound	J. Mol. Struct. 1198 (2019) 126887.	2019	https://doi.org/10.1016/j.molstruc.2019.126887
23	M. Ben Hadj Ayed, N. Issaoui, B. Oujia, H. Ghalla	Structures and relative stabilities of Na+Nen (n=1-16) clusters via pairwise and DFT calculations	Theor. Chem. Acc. (2019) 138:84.	2019	https://doi.org/10.1007/s00214-019-2476-4

24	H. Ghalla	Physicochemical properties of the three-cavity form of calix[n=4,6,8] aren molecules: DFT investigation	Theor. Chem. Acc. (2019) 138: 58.	2019	https://doi.org/10.1007/s00214-019-2425-2
25	L. Sellaoui, H. Ghalla	Bonilla-Petriciolet, A. Ben Lamine. Understanding the adsorption of Pb2+,Hg2+ and Zn2+ from aqueous solution on a lignocellulosic biomass char using advanced statistical physics models and density functional theory simulations	Chem. Eng. J. 365 (2019) 305-316.	2019	https://doi.org/10.1016/j.cej.2019.02.052
26	H. Ghalla	Synthesis, crystal structure, DFT calculations and molecular docking of L-pyroglutamic acid	J. Mol. Struct. 1178 (2019) 436-449.	2019	https://doi.org/10.1016/j.molstruc.2018.10.033
27	K. Abdessalem, L. Mejrissi, H. Habli, N. Issaoui, H. Ghalla, B. Oujia.	Spectroscopic and electric dipole properties of the Van der Waals interaction between barium and krypton atoms	Mol. Phys. 117 (2019) 143-157.	2019	https://doi.org/10.1080/00268976.2018.1504130
28	Safa Mtiri, Brahim Oujia	Spectroscopic, Vibrational and Structural properties analysis of CaXen (n=1-4) clusters	Comput. Theo.Chem. 2019, 1151, pp. 58–71.	2019	https://doi.org/10.1016/j.comptc.2019.02.006
29	Issaoui, N.	Synthesis, crystal structure, vibrational spectroscopy, optical investigation and DFT study of a novel hybrid material: 4,4′-diammoniumdiphenylsulfone iodobusmuthate	(2019) Journal of Molecular Structure, 1197, pp. 478-486.	2019	https://doi.org/10.1016/j.molstruc.2019.05.043
30	Issaoui, N.	DFT Investigation of a Charge-Transfer Complex Formation Between p-Phenylenediamine and 3,5-Dinitrosalicylic Acid (2019)	Journal of Structural Chemistry, 60 (12), pp. 1906-1916.	2019	https://doi.org/10.1134/S0022476619120060

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32	Issaoui, N.	Synthesis and physic-chemical properties of a novel chromate compound with potential biological applications, bis(2-phenylethylammonium) chromate(VI) (2019)	Journal of Molecular Structure, 1185, pp. 168-182.	2019	https://doi.org/10.1016/j.molstruc.2019.02.106
33	Issaoui, N.	Synthesis, physico-chemical studies, non-linear optical properties and DFT calculations of a new non-centrosymmetric compound: (3-ammoniumpyridinium)tetrachloridozincate (II) (2019)	Journal of Molecular S	2019	https://doi.org/10.1016/j.molstruc.2018.12.042
34	S. Jellali, H. Habli, L. Mejrissi, B. Oujia	Adiabatic and Diabatic Investigation of Numerous Electronic States for the Alkali Dimer FrNa.	Journal of Physical Chemistry A, 123, 544-555 (2019).	2019	https://doi.org/10.1021/acs.jpca.8b10739
35	Fakher Ayachi, Marwa Aatrous, Abdellatif Sakly, Abdelmottaleb Ben Lamine	Evaluating the adsorption of Ni(II) and Cu(II) on spirulina biomass by statistical physics formalism	Journal of Industrial and Engineering Chemistry 25 (2019) 461-470,	2019	https://doi.org/10.1016/j.jiec.2019.05.044
36	Marwa Atrous, Lotfi Sellaoui, Mohamed Bouzid, Abdelmottaleb Ben Lamine	Adsorption of dyes acid red 1 and acid green 25 on grafted clay: Modeling and statistical physics interpretation	Journal of Molecular Liquids 294 (2019) 111610,	2019	https://doi.org/10.1016/j.molliq.2019.111610
37	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Statistical physics-based analysis of the adsorption of Cu2+ and Zn2+ onto synthetic cancrinite in single-compound and binary systems	Journal of Environmental Chemical Engineering 7 (2019) 103217,	2019	https://doi.org/10.1016/j.jece.2019.103217

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39	Yosra Ben Torkia, Marwa Atrous, Mohamed Bouzid, Abdelmottaleb Ben Lamine	Stereographic and energetic studies of acid blue 9 adsorption onto Spirulina platensis (strain LEB-52) based on statistical physics approach	Chemical Engineering Communications 207 (2019) 445-457,	2019	https://doi.org/10.1080/00986445.2019.1604513
40	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Adsorption of indium (III) from aqueous solution on raw, ultrasound- and supercritical-modified chitin: Experimental and theoretical analysis	Chemical Engineering Journal 373 (2019) 1247-1253,	2019	https://doi.org/10.1016/j.cej.2019.05.134
41	Mohamed Ben Yahia, Manel Ben Yahia, Fatma Aouaini, Salah Knani, Abdelmottaleb Ben Lamine	Adsorption of sodium and lithium ions onto helicenes molecules: Experiments and phenomenological modeling	Journal of Molecular Liquids 288 (2019) 110998,	2019	https://doi.org/10.1016/j.molliq.2019.110998
42	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Interpretation of the adsorption mechanism of Reactive Black 5 and Ponceau 4R dyes on chitosan/polyamide nanofibers via advanced statistical physics model	Journal of Molecular Liquids 285 (2019) 165–170,	2019	https://doi.org/10.1016/j.molliq.2019.04.091
43	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Statistical physics modeling and interpretation of the adsorption of dye remazol black B on natural and carbonized biomasses	Journal of Molecular Liquids (2019),	2019	https://doi.org/10.1016/j.molliq.2019.112099
44	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Understanding the adsorption mechanism of phenol and 2-nitrophenol on a biopolymer-based biochar in single and binary systems via advanced modeling analysis	Chemical Engineering Journal 371 (2019) 1–6,	2019	https://doi.org/10.1016/j.cej.2019.04.035

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46	Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Surfactant–modified serpentine for fluoride and Cr(VI) adsorption in single and binary systems: Experimental studies and theoretical modeling	Chemical Engineering Journal 369 (2019) 333–343,	2019	https://doi.org/10.1016/j.cej.2019.03.086
47	Mohamed Bouzid, Nadia Bouaziz, Yosra Ben Torkia, Abdelmottaleb Ben Lamine	Statistical physics modeling of ethanol adsorption onto the phenol resin based adsorbents: Stereographic, energetic and thermodynamic investigations	Journal of Molecular Liquids 283 (2019) 674–687,	2019	https://doi.org/10.1016/j.molliq.2019.03.129
48	Lotfi Sellaoui	Adsorption of ibuprofen on organo-sepiolite and on zeolite/sepiolite heterostructure: Synthesis, characterization and statistical physics modeling	Chemical Engineering Journal 371 (2019) 868–875,	2019	https://doi.org/10.1016/j.cej.2019.04.138
49	Lotfi Sellaoui	Statistical physics modeling and interpretation of methyl orange adsorption on high–order mesoporous composite of MCM–48 silica with treated rice husk	Journal of Molecular Liquids 285 (2019) 678–687,	2019	https://doi.org/10.1016/j.molliq.2019.04.116
50	Lotfi Sellaoui, Houcine Ghalla, Abdelmottaleb Ben Lamine	Understanding the adsorption of Pb2+, Hg2+ and Zn2+ from aqueous solution on a lignocellulosic biomass char using advanced statistical physics models and density functional theory simulations	Chemical Engineering Journal 365 (2019) 305-316,	2019	https://doi.org/10.1016/j.cej.2019.02.052

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52	Nesrine Mechi, Ismahene Ben Khemis, Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Investigation of the adsorption mechanism of methylene blue (MB) on Cortaderiaselloana flower spikes (FSs) and on Cortaderiaselloana flower spikes derived carbon fibers (CFs)	Journal of molecular liquids 280 (2019) 268-273,	2019	https://doi.org/10.1016/j.molliq.2019.02.024
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54	Nadia Bouaziz, Yosra Ben Torkia, Fatma Aouaini, Amal Nakbi, Abdelmottaleb Ben Lamine	Statistical physics modeling of hydrogen absorption onto LaNi4.6Al0.4: Stereographic and energetic interpretations	Separation Science and Technology 54 (2019) 1-20,	2019	https://doi.org/10.1080/01496395.2018.1548478
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