Articles parus dans des revues

N°	Nom et prénom du Chercheur	Titre	Intitulé de la Revue	Indexation de la revue	Date de Publication	Lien de l'Article sur le site de la Revue
1	Gazzah Mohamed Hichem	A new range of specific perovskite-type materials with structural, magnetic and magnetocaloric properties: La0.67 Ca0.33-xSrxMn0.98 Fe0.02O3 (0.15 ≤ x ≤ 0.3)	Solid State Sciences	Elsevier	2021	https://doi.org/10.1016/j.solidstatesciences.2021.106683
2	Dhaouadi Fatma SELLAOUI Lotfi Abdemottaleb Ben Lamine	A statistical physics analysis of the adsorption of Fe^{3+}, Al^{3+} and Cu^{2+} heavy metals on chitosan films via homogeneous and heterogeneous monolayer models	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.117617
3	Souissi Hanen	Ab initio adiabatic study of the AgH system	Scientific Reports	WOS	2021	https://doi.org/10.1038/s41598-021-87433-2
4	Bouaziz Nadia Abdelmotaleb Ben Lamine	Absorption and desorption of hydrogen in Ti1.02Cr1.1Mn0.3 Fe0.6 RE0.03 :experiments, characterization and analytical interpretation using statistical physics treatment	RSC Advances	WOS	2021	https://doi.org/10.1039/D1RA00999K
5	Ben Hadj Ayed Mouna Mtiri Safa Ghalla Houcine	Adiabatic investigation of the electronic and dipolar properties of the LiNe system in ground state and numerous excited states	JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER	Elsevier	2021	https://doi.org/10.1016/j.jqsrt.2021.107864

6	Dhaouadi Fatma SELLAOUI Lotfi Abdelmottaleb Ben Lamine	Adsorption mechanism of Zn^{2+}, Ni^{2+}, Cd^{2+}, and Cu^{2+} ions by carbon based adsorbents: interpretation of the adsorption isotherms via physical modelling	Environmental Science and Pollution Research	WOS	2021	10.1007/s11356-021-12832-x
7	Ben Khemis Ismahene Abdelmottaleb Ben Lamine	Adsorption of 2-phenylethanethiol on two broadly tuned human olfactory receptors OR1A1 and OR2W1: Interpretation of the effect of copper ions via statistical physics monolayer adsorption model	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.116926
8	Yazidi Amira	Adsorption of 3-aminophenol and resorcinol on avocado seed activated carbon: Mathematical modelling, thermodynamic study and description of adsorbent performance	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.116952
9	SELLAOUI Lotfi	Adsorption of ibuprofen on cocoa shell biomass-based adsorbents: Interpretation of the adsorption equilibrium via statistical physics theory	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.115697
10	Wjihi Sarra Abdelmotaleb Ben Lamine	Advanced interpretation of CO2 adsorption thermodynamics onto porous solids by statistical physics formalism	Chemical Engineering Journal	Elsevier	2021	https://doi.org/10.1016/j.cej.2020.126669
11	Bouaziz Nadia Ben Torkia Yosra Fatma Aouiaini Abdelmotaleb Ben Lamine	Advanced interpretation of hydrogen absorption process in LaMgNi3.6M0.4 (M ¼ Ni, Mn, Al, Co, Cu) alloys using statistical physics treatment	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	Elsevier	2021	https://doi.org/10.1016/j.ijhydene.2020.12.142

12	Mazouz Malek	An experimental program with high duty-cycle polarized and unpolarized positron beams at Jefferson Lab	EUROPEAN PHYSICAL JOURNAL A	WOS	2021	https://doi.org/10.1140/epja/s10050-021-00564-y
13	Jemii Elassaad	Analysis of the transient Joule heating effect in a conductive- bridge random-access memory (CBRAM) using a single-phase -lag (SPL) model	Journal of Computational Electronics	WOS	2021	https://doi.org/10.1007/s10825-021-01681-z
14	Houda Chtioui Karim Bouchlaghem Gazzah Mohamed Hichem	Analyzing the impact of Saharan sand and duststorms based on HYSPLIT algorithm in Tunisian regions	Arabian Journal of Geosciences	WOS	2021	https://doi.org/10.1007/s12517-021-07174-4
15	Dhaouadi Fatma SELLAOUI Lotfi Abdelmotaleb Ben Lamine	Application of a heterogeneous physical model for the adsorption of Cd^{2+}, Ni^{2+}, Zn^{2+} and Cu^{2+} ions on flamboyant pods functionalized with citric acid	Chemical Engineering Journal	Elsevier	2021	https://doi.org/10.1016/j.cej.2020.127975
16	Souissi Hanen Ben Yahia Mohamed	Application of Innovative Analytical Modeling for the Physicochemical Analysis of Adsorption Isotherms of Silver Nitrate on Helicenes: Phenomenological Study of the Complexation Process	ADSORPTION SCIENCE & TECHNOLOGY	WOS	2021	https://doi.org/10.1155/2021/6619389
17	SGHAIER Wouroud Ben Torkia Yosra Bouzid Mohamed Abdelmotaleb Ben Lamine	CO2 adsorption investigation by statistical physics: Thermodynamic analysis for cooling cycle application	Journal of Environmental Chemical Engineering	Elsevier	2021	https://www.sciencedirect.com/science/article/abs/pii/S2213343721000865
18	Ghalla Houcine	Crystal structure, DFT studies and thermal characterization of new luminescent stannate (IV) based inorganic-organic hybrid compound	Journal of Molecular Structure	Elsevier	2021	https://doi.org/10.1016/j.molstruc.2020.129266

19	Mazouz Malek	Deeply virtual Compton scattering using a positron beam in Hall-C at Jefferson Lab benzopyrimidinon e derivatives: α-amylase inhibitory activity, molecular docking and DFT studies	EUROPEAN PHYSICAL JOURNAL A	WOS	2021	https://arxiv.org/abs/2105.06540
20	ISSAOUI Noureddine	Design and synthesis of new benzopyrimidinon e derivatives: α-amylase inhibitory activity, molecular docking and DFT studies	JOURNAL OF MOLECULAR STRUCTURE	SCOPUS	2021	https://doi.org/10.1016/j.jece.2021.105108
21	ISSAOUI Noureddine	Design, synthesis and physico chemical studies of a Co(II)/Co(III) mixed-valence complex: An experimental and DFT approach	JOURNAL OF MOLECULAR STRUCTURE	SCOPUS	2021	https://doi.org/10.1016/j.molstruc.2021.130384
22	Noureddine Olfa ISSAOUI Noureddine	DFT and molecular docking study of chloroquine derivatives as antiviral to coronavirus COVID-19	Journal of King Saud University - Science	SCOPUS	2021	https://doi.org/10.1016/j.jksus.2020.101248
23	Ouled Dlala Najet Ghalla Houcine	DFT Calculations and Molecular Docking Studies on a Chromene Derivative	Journal of Chemistry	WOS	2021	https://doi.org/10.1155/2021/6674261
24	Mazouz Malek	Double deeply virtual Compton scattering with positron beams at SoLID	EUROPEAN PHYSICAL JOURNAL A	WOS	2021	https://doi.org/10.1140/epja/s10050-021-00551-3
25	SELLAOUI Lotfi	Effective adsorption of dyes on an activated carbon prepared from carboxymethyl cellulose: Experiments, characterization and advanced modelling	Chemical Engineering Journal	Elsevier	2021	https://doi.org/10.1016/j.cej.2020.128116
26	Mohamed Ben Yahia	Effective adsorption of metals on porphyrins: Experiments and advanced isotherms modelingadsorption of metals on porphyrins: Experiments and advanced isotherms modeling	Arabian Journal of Chemistry	WOS	2021	https://doi.org/10.1016/j.arabjc.2021.103203

27	ISSAOUI Noureddine	Empirical and computational studies on newly synthesis cyclohe xylammonium perchlorate	JOURNAL OF MOLECULAR STRUCTURE	SCOPUS	2021	https://doi.org/10.1016/j.molstruc.2020.129820
28	Kaziz Sameh Yosra Saad Mohamed Bouzid	Enhancement of COVID-19 detection time by means of electrothermal force	Microfluidics and Nanofluidics	WOS	2021	https://doi.org/10.1007/s10404-021-02490-3
29	Said Saad	Enhancement of Solar Cell Modeling with MPPT Command Practice with an Electronic Edge Filter	Engineering, Technology & Applied Science Research	WOS	2021	https://doi.org/10.48084/etasr.4304
30	Said Saad	FBG Sensors for Seismic Control and Detection in Extradosed Bridges	International Journal on Smart Sensing and Intelligent Systems	WOS	2021	https://doi.org/10.21307/ijssis-2021-013
31	Jellali Soulef Habli Héla	FCI calculations of the adiabatic electronic structure of KRb highlighting the K-Rb+ ionic limit effect	JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER	Elsevier	2021	https://doi.org/10.1016/j.jqsrt.2021.107897
32	ISSAOUI Noureddine	Food Xanthan Polysaccharide Sulfation Process with Sulfamic Acid	Foods	WOS	2021	10.3390/foods10112571
33	Medimagh Mouna ISSAOUI Noureddine	Impact of non covalent interactions on FT IR spectrum and properties of 4-m ethylbenzylammo nium nitrate. A DFT and molecular docking study	Heliyon	Elsevier	2021	10.1016/j.heliyon.2021.e08204
34	SELLAOUI Lotfi	Impact of the stacking fault and surface defects states of colloidal CdSe nanocrystals on the removal of reactive black 5	Materials Science & Engineering B	Elsevier	2021	https://doi.org/10.1016/j.mseb.2020.115029

35	Dhaouadi Fatma	Implementation of a multilayer statistical physics model to interpret the adsorption of food dyes on a chitosan film	Journal of Environmental Chemical Engineering	WOS	2021	https://doi.org/10.1016/j.jece.2021.105516
36	FRADI Ahmed	Improved Λp Elastic Scattering Cross Sections between 0.9 and 2.0 GeV=c as a Main Ingredient of the Neutron Star Equation of State	PHYSICAL REVIEW LETTERS	WOS	2021	https://doi.org/10.1103/PhysRevLett.127.272303
37	Ghalla Houcine	In silico exploration of O H. . .X2+ (X = Cu, Ag, Hg) interaction, targeted adsorption zone, charge density iso surface, O-H proton analysis and topographic parameters theory for calix[6]arene and calix[8]arene as model	JOURNAL OF MOLECULAR LIQUIDS	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.116127
38	SELLAOUI Lotfi	Influence of plasma-based surface functionalization of palm fibers on the adsorption of diclofenac from water: Experiments, thermodynamics and removal mechanism	Journal of Water Process Engineering	Elsevier	2021	https://doi.org/10.1016/j.jwpe.2021.102254
39	ISSAOUI Noureddine	Insight into non covalent interactions in a tetrachlorocadmate salt with promising NLO properties: Experimental and computational analysis	JOURNAL OF MOLECULAR STRUCTURE	Elsevier	2021	https://doi.org/10.1016/j.molstruc.2021.130730
40	Ghalla Houcine	Insights into theoretical detection of CO_2, NO, CO, O_2, and O_3 gases molecules using Zinc phthalocyanine with peripheral mono and tetra quinoleinoxy substituents: Molecular geometries, Electronic properties, and Vibrational analysis	CHEMICAL PHYSICS	Elsevier	2021	https://doi.org/10.1016/j.chemphys.2021.111198

41	ISSAOUI Noureddine	Intermolecular hydrogen bonds interactions in water clusters of ammonium sulfamate: FTIR, X ray diffraction, AIM, DFT, RDG, ELF, NBO analysis	JOURNAL OF MOLECULAR LIQUIDS	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.117475
42	Mohamed Bouzid	Interpret the elimination behaviors of lead and vanadium from the water by employing functionalized biochars in diverse environmental conditions	Science of the Total Environment	Elsevier	2021	https://doi.org/10.1016/j.scitotenv.2021.148031
43	Mohamed Ben Yahia	Interpretation of the adsorption of metals on quartz crystal based-macromolecule via advanced modeling of equilibrium isotherms	Scientific Reports	WOS	2021	https://doi.org/10.1038/s41598-021-99465-9
44	Ben Khemis Ismahene SAADAOUI Kods Bouzid Mohamed Mechi Nesrine Wjihi Sarra Abdelmottaleb Ben Lamine	Interpretations of key food odorant dose-olfactory response curves using statistical physics method	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2020.114553
45	ISSAOUI Noureddine	Investigation of hydrogen bonded structure of urea water mixtures through Infra-red spectroscopy and non-covalent interaction (NCI) theoretical approach	Computational and Theoretical Chemistry	Elsevier	2021	https://doi.org/10.1016/j.comptc.2021.113218
46	Houda Chtioui Karim Bouchlaghem Gazzah Mohamed Hichem	Investigation of Saharan dust influence on PM10 concentration using two methods in Gabès, Tunisia	Arabian Journal of Geosciences	WOS	2021	https://doi.org/10.1007/s12517-021-07282-1
47	Benali Meriem	Measurement of the generalized polarizabilities of the proton at intermediate Q2	PHYSICAL REVIEW C	WOS	2021	10.1103/PhysRevC.103.025205

48	SELLAOUI Lotfi	Modeling of binary and ternary batch adsorption systems via multidimensional logistic distribution and statistical physics	Journal of Environmental Chemical Engineering Journal of King Saud University - Science	WOS	2021	https://doi.org/10.1016/j.jece.2021.105664
49	ISSAOUI Noureddine	Modification of Arabinogalactan Isolated from Larix sibirica Ledeb. Into Sulfated Derivatives with the Controlled Molecular Weights	MOLECULES	WOS	2021	https://doi.org/10.3390/molecules26175364
50	Medimagh Mouna ISSAOUI Noureddine	Molecular modeling and biological activity analysis of new organicinorganic hybrid: 2-(3,4-dihydroxyphenyl) ethanaminium nitrate	Journal of King Saud University - Science	SCOPUS	2021	https://doi.org/10.1016/j.jksus.2021.101616
51	Noureddine Olfa ISSAOUI Noureddine	New DMAP meso arylporphyrin Magnesium(II) complex. Spectroscopic, Cyclic voltammetry and X-ray molecular structure characterization. DFT, DOS and MEP calculations and Antioxidant and Antifungal activities	JOURNAL OF MOLECULAR STRUCTURE	SCOPUS	2021	https://doi.org/10.1016/j.molstruc.2021.130299
52	Sagaama Abir ISSAOUI Noureddine	Non covalent interactions and molecular docking studies on morphine compound	Journal of King Saud University – Science	SCOPUS	2021	https://doi.org/10.1016/j.jksus.2021.101606
53	Mohamed Ben Yahia	Phenomenological statistical physics modeling of metalloporphyrins adsorption at the molecular level	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.117108

54	BEN MANAA Marwa Abdelmottaleb Ben Lamine	Physico-chemical interpretations of the adsorption isotherms of DepeA sensitizers with pyridyl group on TiO2 for dye sensitized solar cells using statistical physics and density functional theory	Journal of Materials Research and Technology	WOS	2021	https://doi.org/10.1016/j.jmrt.2021.08.017
55	Ben Khemis Ismahene Abdemottaleb Ben Lamine	Physico-chemical investigations of human olfactory receptors OR10G4 and OR2B11 activated by vanillin, ethyl vanillin, coumarin and quinoline molecules using statistical physics method	International Journal of Biological Macromolecules	WOS	2021	10.1016/j.ijbiomac.2021.10.155
56	SELLAOUI Lotfi	Piaçava fibers as efficient material to remove a textile dye: Insights of the adsorption mechanism via advanced modelling	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.117090
57	Dhaouadi Fatma SELLAOUI Lotfi Abdelmottaleb Ben Lamine	Preparation of an avocado seed hydrochar and its application as heavy metal adsorbent: Properties and advanced statistical physics modeling	Chemical Engineering Journal	Elsevier	2021	https://doi.org/10.1016/j.cej.2021.129472
58	Noureddine Olfa ISSAOUI Noureddine	Quantum chemical calculations, spectroscopic properties and molecular docking studies of a novel piperazine derivative	Journal of King Saud University - Science	SCOPUS	2021	https://doi.org/10.1016/j.jksus.2020.101283
59	Noureddine Olfa ISSAOUI Noureddine Medimagh Mouna	Quantum chemical studies on molecular structure, AIM, ELF, RDG and antiviral activities of hybrid hydroxy chloroquine in the treatment of COVID-19: Molecular docking and DFT calculations	Journal of King Saud University - Science	SCOPUS	2021	10.1016/j.jksus.2020.101334

60	ISSAOUI Noureddine Noureddine Olfa	Self assembly of a novel Cu(II) complex, (C6H9N2)2[CuCl4]: experimental, computational, and molecular docking survey	Journal of the Iranian Chemical Society	SCOPUS	2021	https://doi.org/10.1007/s13738-021-02195-y
61	SELLAOUI Lotfi	Simultaneous adsorption of acetaminophen, diclofenac and tetracycline by organo-sepiolite: Experiments and statistical physics modelling	Chemical Engineering Journal	WOS	2021	https://doi.org/10.1016/j.cej.2020.126601
62	SELLAOUI Lotfi	Single and simultaneous adsorption of Cr(VI) and Cu (II) on a novel Fe3O4/ pine cones gel beads nanocomposite: Experiments, characterization and isotherms modeling	Chemical Engineering Journal	Elsevier	2021	https://doi.org/10.1016/j.cej.2021.129101
63	Laajimi Maha Ghalla Houcine Mtiri Safa	Solvation of potassium cation in helium clusters: Density functional theory versus pairwise method	Journal of Molecular Graphics and Modelling	Elsevier	2021	https://doi.org/10.1016/j.jmgm.2021.107912
64	Mohamed Ben Yahia	Statistical Physics Modeling of Sorption Isotherms of Aluminum, Iron, and Indium on Tet raphenylporphyri n (H2TPP) and Tetrakis(4-tolylpheny l)porphyrin (H2TTPP): Phenomenological Investigation of Metalloporphyrins at the Molecular Level	Adsorption Science & Technology	WOS	2021	https://doi.org/10.1155/2021/5540517
65	Ben Khemis Ismahene Sagaama Abir ISSAOUI Noureddine Abdelmotaleb Ben Lamine	Steric and energetic characterizations of mouse and human musk receptors activated by nitro musk smelling compounds at molecular level: Statistical physic streatment and molecular docking analysis	INTERNATIONAL JOURNAL OF BIOLOGICAL MAC ROMOLECULES	SCOPUS	2021	https://doi.org/10.1016/j.ijbiomac.2021.08.042

66	Medimagh Mouna ISSAOUI Noureddine	Study of a new piperidone as an anti-Alzheimer agent: Molecular docking, electronic and intermolecular interaction investigations by DFT method	Journal of King Saud University – Science	SCOPUS	2021	https://doi.org/10.1016/j.jksus.2021.101632
67	Medimagh Mouna ISSAOUI Noureddine	Sulfation of Diethylaminoethyl-Cellulose: QTAIM Topological Analysis and Experimental and DFT Studies of the Properties	ACS Omega	SCOPUS	2021	https://doi.org/10.1021/acsomega.1c02570
68	ISSAOUI Noureddine	Synthesis optimization, DFT and physicochemical study of chitosan sulfates	JOURNAL OF MOLECULAR STRUCTURE	SCOPUS	2021	https://doi.org/10.1016/j.molstruc.2021.131083
69	Medimagh Mouna ISSAOUINoureddine	Synthesis, X-ray crystal structure, Hirshfeld surface analysis, DFT, AIM, ELF, RDG and molecular docking studies of bis[4- (dimethylamino)pyridinium] di-μ-chloridobis[di chloridomercurate(II)]	JOURNAL OF COORDINATION CHEMISTRY	SCOPUS	2021	10.1080/00958972.2021.2006649
70	Ben Khemis Ismahene Bouzid Mohamed Mechi Nesrine Abdemottaleb Ben Lamine	Statistical physics modeling and interpretation of the adsorption of enantiomeric terpenes onto the human olfactory receptor OR1A1	International Journal of Biological Macromolecules	Elsevier	2021	https://doi.org/10.1016/j.ijbiomac.2020.12.209
71	ATROUS Marwa Ben Torkia Yosra Bouzid Mohamed Abdemottaleb Ben Lamine	TETRACYCLINE ADSORPTION ONTO AGAVE AMERICANA ACTIVATED CARBON: STUDIES OF PHYS ICOCHEMICAL PARAMETERS AND POROUS STRUCTURE	Theoretical and Experimental Chemistry	WOS	2021	10.1007/s11237-021-09698-y
72	Yosra Saad Gazzah Mohamed Hichem	The magnetic field effect on the improvement of the binding reaction of C reactive protein at the microfluidic channel surface of an SPR biosensor	The European Physical Journal Plus	WOS	2021	https://doi.org/10.1140/epjp/s13360-021-01603-9

73	SELLAOUI Lotfi	Theoretical analysis of the removalme chanism of Crystal Violetand Acid Red 97 dyes on Agaricusbisporus residue	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2021.117621
74	Sagaama Abir ISSAOUI Noureddine	Theoretical and experimental study of guar gum sulfation	JOURNAL OF MOLECULAR MODELING	SCOPUS	2021	https://doi.org/10.1007/s00894-020-04645-5
75	Ghalla Houcine	Theoretical assessment of calix[4] arene-N-β- ketoimine (n=1–4) derivatives: Conformational studies, optoelectronic, and sensing of Cu2+cation	JOURNAL OF MOLECULAR MODELING	Autres	2021	10.1007/s00894-020-04622-y
76	SELLAOUI Lotfi	Theoretical assessment of the adsorption mechanism of ibuprofen, ampicillin, orange G and malachite green on a biomass functionalized with plasma	Journal of Environmental Chemical Engineering	Elsevier	2021	https://doi.org/10.1016/j.jece.2020.104950
77	M'Halla Jalel Boughamoura Sondes Ghazouani Anis	Translational dielectric friction on a pearl necklace-like polyelectrolyte chain	Journal of Molecular Liquids	Elsevier	2021	https://doi.org/10.1016/j.molliq.2020.115173
78	Ben Torkia Yosra SGHAIER Wouroud Bouaziz Nadia Abdemottaleb Ben Lamine	Xenon adsorption isotherms on chabazite. Statistical physics modeling investigation: Adsorption energy and pore size distributions computation	Journal of Environmental Chemical Engineering	Elsevier	2021	https://doi.org/10.1016/j.jece.2020.104733