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	Mouna Medimagh, Noureddine Issaoui	3-Chloro-3-methyl-2,6-diarylpiperidin-4-ones as Anti-Cancer Agents: Synthesis, Biological Evaluation, Molecular Docking, and In Silico ADMET Prediction	Biomolecules	WOS	2022	10.3390/biom12081093
2	Sameh Kaziz, Mohamed Hichem Gazzah	3D simulation of microfluidic biosensor for SARS-CoV-2 S protein binding kinetics using new reaction surface design	European Physical Journal Plus	WOS	2022	https://doi.org/10.1140/epjp/s13360-022-02470-8
3	Noureddine Issaoui	A combined experimental and theoretical studies of two new decavanadatet: $(C_6N_2H_9)_4[H_2V_{10}O_{28}]\cdot 4H_2O$ and $(C_7H_9NF)_4[H_2V_{10}O_{28}]\cdot 2H_2O$	Journal of Molecular Structure	WOS	2022	https://doi.org/10.1016/j.molstruc.2022.133085
4	Mohamed Bouzid	A comprehensive review on green perspectives of electrocoagulation integrated with advanced processes for effective pollutants removal from water environment	Environmental Research	Elsevier	2022	https://doi.org/10.1016/j.envres.2022.114294
5	Noureddine Issaoui	A Comprehensive Study of N-Butyl -1 H-Benzimidazole	Molecules	WOS	2022	https://doi.org/10.1016/0278-6915(93)90094-F

6	Noureddine Issaoui	A density functional theory calculations of infrared spectra of galactomannan butyl ether	Journal of Molecular Structure	WOS	2022	10.3389/fphy.2022.901736
7	Noureddine Issaoui	A DFT Study of the Hydrogen Bonded Structures of Pyruvic Acid–Water Complexes	Frontiers in Physics	WOS	2022	https://doi.org/10.3389/fphy.2022.901736
8	Abdemottaleb Ben Lamine	A study of single and quaternary adsorption of Cu^{2+}, Co^{2+}, Ni^{2+} and Ag^{+} on sludge modified by alkaline fusion	Chemical Engineering Journal	Elsevier	2022	https://doi.org/10.1016/j.cej.2021.133674
9	Radhouane LAAJIMI	A novel efficient coplanar QCA full adder and full subtractor design	International Journal of Electronics	WOS	2022	https://doi.org/10.1080/00207217.2022.2098386
10	Fatma Dhaouadi, Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Adaptation of advanced physical models to interpret the adsorption isotherms of lead and cadmium ions onto activated carbon in single-compound and binary systems	Environmental Science and Pollution Research	Scopus	2022	https://doi.org/10.1007/s11356-022-20173-6
11	Salah Knani	Adsorption and Photocatalytic Degradation of Pesticides into Nanocomposites: A Review	Molecules	WOS	2022	https://doi.org/10.3390/molecules27196261
12	Nadia Bouaziz, Abdelmottaleb Ben Lamine	Adsorption of CO_2 on ZSM-5 Zeolite: Analytical Investigation via a Multilayer Statistical Physics Model	Applied Sciences (Switzerland)	WOS	2022	https://doi.org/10.3390/app12031558

13	Nadia Bouaziz, Abdelmottaleb Ben Lamine	Adsorption of methyl orange, acid chrome blue K, and Congo red dyes on MIL-101-NH_2 adsorbent: Analytical interpretation via advanced model	AIP Advances	WOS	2022	https://doi.org/10.1063/5.0083291
14	Fatma Dhaouadi, Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Adsorption of methylene blue from aqueous solution on activated carbons and composite prepared from an agricultural waste biomass: A comparative study by experimental and advanced modeling analysis	Chemical Engineering Journal	Elsevier	2022	https://doi.org/10.1016/j.cej.2021.132801
15	Houcine Ghalla	Adsorption of toxic and non-toxic metals with new model of CX[4]: Experimental and computational investigation, Spectroscopic, QTAIM, and Antibacterial activity analyses	Journal of Molecular Structure	Elsevier	2022	https://doi.org/10.1016/j.molstruc.2022.133618
16	Lotfi Sellaoui, Fatma Dhaouadi, Abdelmottaleb Ben Lamine	Application of a multilayer physical model for the critical analysis of the adsorption of nicotinamide and propranolol on magnetic-activated carbon	Environmental Science and Pollution Research	Scopus	2022	https://doi.org/10.1007/s11356-021-18483-2
17	Noureddine Issaoui	Assembly of two new hybrid chloride materials with potential NLO properties: Structure elucidation, empirical and computational studies	Journal of the Iranian Chemical Society volume	WOS	2022	https://doi.org/10.1007/s13738-021-02469-5
18	Houcine Ghalla	Azo-methoxy-calix[4]arene complexes with metal cations for chemical sensor applications: Characterization, QTAIM analyses and dispersion-corrected DFT- computations	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Elsevier	2022	https://doi.org/10.1016/j.saa.2021.120242

19	Ahmed Fradi	Beam-spin asymmetry Σ for Σ^- hyperon photoproduction off the neutron	Physics Letters, Section B: Nuclear, Elementary Particle and HighEnergy Physics	WOS	2022	https://doi.org/10.1016/j.physletb.2022.136985
20	Noureddine Issaoui	Catalytic Sulfation of Betulin with Sulfamic Acid: Experiment and DFT Calculation	International Journal of Molecular Sciences	WOS	2022	https://doi.org/10.3390/ijms23031602
21	Mohamed Bouzid, Abdelmottaleb Ben Lamine	CO_2 adsorption by molecular sieve 10A°, experimental and theoretical examination via statistical physics: modeling macroscopic and microscopic investigation	Separation Science and Technology	WOS	2022	https://doi.org/10.1080/01496395.2022.2080708
22	Noureddine Issaoui	Composition and Structure of Aspen (Pópulus trémula) Hemicelluloses Obtained by Oxidative Delignification	Polymers	WOS	2022	https://doi.org/10.3390/polym14214521
23	Héla Habli, Soulef Jellali	Computational study of the electronic structure of the Srm+Kr (m = 0, 1) van der Waals complexes	Physica Scripta	WOS	2022	10.1088/1402-4896/ac7aea
24	Noureddine Issaoui, Mouna Medimagh	Deciphering non-covalent interactions of 1,3-Benzenedimethanaminium bis(trioxonitrate): Synthesis, empirical and computational study	Journal of Molecular Structure	WOS	2022	https://doi.org/10.1016/j.molstruc.2021.131720
25	Malek Mazouz	Deeply Virtual Compton Scattering Cross Section at High Bjorken x_B	Physical Review Letters	WOS	2022	10.1103/PhysRevLett.128.252002

26	Anis Ghazouani, Jalel M'halla, Sondes Boughammoura	Dependency of the mobility of carboxymethylated cellulosic polyions on the nature of their counterions	Journal of Molecular Liquids	Scopus	2022	https://doi.org/10.1007/s11468-022-01639-2
27	Sameh Kaziz, Med Hichem Gazzah	Design parameters optimization of an electrothermal flow biosensor for the SARS-CoV-2 S protein immunoassay	Indian J Phys	WOS	2022	https://doi.org/10.1007/s12648-022-02360-w
28	Noureddine Issaoui	DFT Calculations of Some Important Radicals Used in the Nitroxide-Mediated Polymerization and Their HOMO–LUMO, Natural Bond Orbital, and Molecular Electrostatic Potential Comparative Analysis	Polymer Science	Scopus	2022	10.1134/S156009042270035X
29	Jemii Elassaad	Electrothermal analyses in $Cu/ZrO_2/Pt$ CBRAM memory using a dual phase-lag model	Journal of Computational Electronics	WOS	2022	https://doi.org/10.1007/s10825-022-01907-8
30	Fatma Dhaouadi, Lotfi Sellaoui	Enhanced adsorption of ketoprofen and 2,4-dichlorophenoxyactic acid on Physalis peruviana fruit residue functionalized with H_2SO_4: Adsorption properties and statistical physics modeling	Chemical Engineering Journal	Elsevier	2022	https://doi.org/10.1016/j.cej.2022.136773
31	Nadia Bouaziz, Aabdelmottaleb Ben Lamine	Experimental and theoretical investigation of absorption and desorption of hydrogen in the $LaNi_4Co_{0.5}Mn_{0.5}$ alloy	Chemical Engineering Science	Elsevier	2022	https://doi.org/10.1016/j.ces.2022.117453
32	Noureddine Issaoui	Experimental and theoretical investigations on structural-function relationship of new iron (III) complex with 2-(Ammoniomethyl)pyridinium cation as ligand: A promising material for green solar cells	Journal of Molecular Structure	WOS	2022	https://doi.org/10.1007/s11356-022-19795-7

33	Noureddine Issaoui, Mouna Medimagh	Experimental and theoretical study of the sulfamic acid-urea deep eutectic solvent	Journal of Molecular Liquids	WOS	2022	https://doi.org/10.1016/j.molliq.2022.119859
34	Noureddine Issaoui, Abir Sagaama	Hydrogen bonds interactions in biuret-water clusters: FTIR, X-ray diffraction, AIM, DFT, RDG, ELF, NLO analysis	Journal of King Saud University - Science	WOS	2022	https://doi.org/10.1016/j.jksus.2022.102350
35	Mohamed Hichem Gazzah	Impact of piezoelectric polarization on the performance of InGaN/GaN p–i–n solar cells with Ga- and Nface polarity	European Physical Journal Plus	WOS	2022	https://doi.org/10.1140/epjp/s13360-022-03528-3
36	Ismahene Ben Khemis, Olfa Noureddine, Ben Lamine Abdelmottaleb	Indirect characterizations of mOR-EG: Modeling analysis of five concentration-olfactory response curves via an advanced monolayer adsorption model	International Journal of Biological Macromolecules	Elsevier	2022	https://doi.org/10.1016/j.ijbiomac.2022.09.251
37	Ismahene Ben Khemis, Smati Houda, Ben Lamine Abdelmottaleb	Interpretation the olfactory perception of musk tibetene, muscone and dihydrocivetone on the human musk olfactory receptor OR5AN1 via an advanced statistical physics modeling	Journal of Molecular Liquids	Elsevier	2022	https://doi.org/10.1016/j.molliq.2022.119923
38	Houcine Ghalla	Investigation of optical, TD-DFT calculation and electrical conductivity in semiconducting $[(CH_3)NH_3]_2ZnBr_4$	Journal of Molecular Structure	Elsevier	2022	https://doi.org/10.1016/j.molstruc.2022.133495
39	Mohamed Hichem Gazzah	InxGa1-xN/GaN double heterojunction solar cell optimization for high temperature operation	Solar Energy Materials and Solar Cells	WOS	2022	https://doi.org/10.1016/j.solmat.2021.111446

40	Mohamed Hichem Gazzah	Large magnetocaloric effect in 0.25 ($La_{0.67}Ca_{0.33}MnO_3$ +$La_{0.67}Ca_{0.13}Sr_{0.2}Mn_{0.98}Ni_{0.02}O_3$) /0.5 $La_{0.67}Ca_{0.23}Sr_{0.1}Mn_{0.98}Ni_{0.02}O_3$ composite close to room temperature	European Physical Journal Plus	Scopus	2022	https://doi.org/10.1140/epjp/s13360-022-03153-0
41	Houcine Ghalla	Low pH-induced lone-pair activity in the hybrid $(C_6H_{10}N_2)[SnCl_3]Cl$: Chemical study and physical characterizations	Journal of Molecular Structure	Elsevier	2022	https://doi.org/10.1016/j.molstruc.2021.131403
42	Briki Issa Mazouz Malek GHEDIRA Lotfi	Measurement of the momentum dependence of atmosphericn muon vertical intensity at ground level in Tunisia	ASTROPARTICLE PHYSICS	Elsevier	2022	https://doi.org/10.1016/j.astropartphys.2021.102657
43	Sondes Boughammoura, Jalel M'halla	Micellization and aggregation approach in aqueous amphiphilic ionic liquid and anionic polymer system	Chemical Thermodynamics and Thermal Analysis	Scopus	2022	https://doi.org/10.1016/j.ctta.2022.100065
44	Hela Habli, Houcine Ghala	Microsolvation of lithium cation in xenon clusters: An octahedral growth pattern	Journal of Molecular Graphics and Modelling	Elsevier	2022	https://doi.org/10.1016/j.jmgm.2022.108229
45	Lotfi Sellaoui, Fatma Dhaouadi, Abdemottaleb Ben Lamine	Modeling the adsorption of divalent metallic cations onto multi-walled carbon nanotubes functionalized with COOH	Journal of Molecular Liquids	Elsevier	2022	https://doi.org/10.1016/j.molliq.2022.120275
46	Noureddine Issaoui	Molecular Characteristics and Antioxidant Activity of Spruce (Picea abies) Hemicelluloses Isolated by Catalytic Oxidative Delignification	Molecules	WOS	2022	https://doi.org/10.3390/molecules27010266

47	Noureddine Issaoui	Molecular structure, spectroscopy, quantum chemical and antibacterial activity investigations of 2-methylbenzylammonium perchlorate	Journal of Molecular Structure	WOS	2022	https://doi.org/10.1016/j.molstruc.2021.131311
48	Houcine Ghalla	New cadmium(II) porphyrin-based coordination dimer: Experimental and theoretic studies	Journal of Solid State Chemistry	Elsevier	2022	https://doi.org/10.1016/j.jssc.2022.123364
49	Lotfi Sellaoui	New Interpretations of the Adsorption Process of Tetracycline on Biochar via Experimental and Theoretical Studies	Water	WOS	2022	https://doi.org/10.3390/w14233821
50	Noureddine Issaoui	New reactions of betulin with sulfamic acid and ammonium sulfamate in the presence of solid catalysts	Biomass Conversion and Biorefinery	WOS	2022	https://doi.org/10.1007/s13399-022-02587-x
51	Abir Sagaama, Noureddine Issaoui	Non covalent interactions analysis and spectroscopic characterization combined with molecular docking study of N′-(4-Methoxybenzylidene)-5-phenyl-1H-pyrazole-3-carbohydrazide	Journal of King Saud University - Science	WOS	2022	https://doi.org/10.1016/j.jksus.2021.101778
52	Soulef Jellali, Héla Habli	Non-Relativistic Electronic-Structure Computation of Neutral and Cationic Systems [Fr_2, Fr−AEM^+ (AEM= Ca, Sr, Ba)]	The Journal of Physical Chemistry A	WOS	2022	https://doi.org/10.1021/acs.jpca.1c10801
53	Houcine Ghalla	Novel 3-phenyl-1- (alkylphenyl)-9-oxa-4-azaphenanthren-10-ones as inhibitors of some enzymes: synthesis, characterization, biological evaluation and molecular docking studies	Journal of Biomolecular Structure and Dynamics	WOS	2022	10.1080/07391102.2022.2114938

54	Lotfi Sellaoui	Performance and interactions of diclofenac adsorption using Alginate/Carbon-based Films: Experimental investigation and statistical physics modelling	Chemical Engineering Journal	Elsevier	2022	https://doi.org/10.1016/j.cej.2021.131929
55	Noureddine Issaoui	Physico-Chemical Properties, Pharmacokinetics, Molecular Docking and In-Vitro Pharmacological Study of a Cobalt (II) Complex Based on 2-Aminopyridine	Chemistry Select	WOS	2022	https://doi.org/10.1002/slct.202103592
56	Hanen Souissi	Radiative Lifetimes for the A and $C^1\Sigma^+$ States of the $(SrK)^+$ Ion Molecular	Applied Sciences (Switzerland)	WOS	2022	https://doi.org/10.3390/app12136746
57	Noureddine Issaoui	Self-assembly of a new cobalt complex, $(C_6H_{14}N_2)_3[CoCl_4]Cl$: Synthesis, empirical and DFT calculations	Journal of King Saud University	Scopus	2022	https://doi.org/10.1016/j.jksus.2021.101807
58	Mohamed Hichem Gazzah	Sensitive Detection of SARS-CoV-2 Using a Novel Plasmonic Fiber Optic Biosensor Design	Plasmonics	WOS	2022	https://doi.org/10.1007/s11468-022-01639-2
59	Houcine Ghalla	Spectroscopic characterization, host-guest charge transfer, Hirshfeld surfaces, AIM-RDG and ELF study of adsorption and chemical sensing of heavy metals with new derivative of Calix [4]quinone: A DFT-D3 computation	Materials Chemistry and Physics	Elsevier	2022	https://doi.org/10.1016/j.matchemphys.2021.125555
60	Houcine Ghalla	Stability, spectroscopic, electrochemistry and QTAIM analysis of CuZnn−1On clusters for glucose sensing application: A study on theoretical and experimental insights	Heliyon	Elsevier	2022	https://doi.org/10.1016/j.heliyon.2022.e12387

61	Kods Oueslati, Abdellatif Sakly, Abdelmottaleb Ben Lamine	Statistical and physical interpretation of dye adsorption onto low-cost biomass by using simulation methods	Colloids and Surfaces A: Physicochemical and Engineering Aspects	Elsevier	2022	https://doi.org/10.1016/j.colsurfa.2022.128969
62	Fatma Dhaouadi, Abdelmottaleb Ben Lamine	Statistical physics modeling and evaluation ofadsorption properties of chitosan-zinc oxide nanocomposites for the removal of an anionic dye	Journal of Environmental Chemical	Elsevier	2022	https://doi.org/10.1016/j.jece.2022.108873
63	Kods Oueslati, Abdellatif Saklya, Abdelmottaleb Ben Lamine	Statistical physics modeling of the removal of Resorcinol from aqueous effluents by activated carbon from avocado seeds	Journal of Molecular Liquids	Elsevier	2022	https://doi.org/10.1016/j.molliq.2022.119386
64	Marwa Atrous, Yosra Ben Torkia, Mohamed Bouzid, Abdelmottaleb Ben Lamine	Statistical physics treatment of tetracycline adsorption: energetic studies	Chemical Papers	Scopus	2022	https://doi.org/10.1007/s11696-022-02171-7
65	Salah Knani	Study of moisture adsorption isotherms characteristics of banana and thermodynamic properties using statistical physics formalism	Drying Technology	WOS	2022	https://doi.org/10.1080/07373937.2022.2053706
66	Mouna Mdimagh, Noureddine Issaoui	Sulfamic acid/water complexes (SAA-$H_2O_{(1-8)}$) intermolecular hydrogen bond interactions: FTIR,X-ray, DFT and AIM analysis	Journal of Molecular Structure	WOS	2022	https://doi.org/10.1016/j.molstruc.2022.133394
67	Noureddine Issaoui	Sulfation of arabinogalactan with ammonium sulfamate	Biomass Conversion and Biorefinery	WOS	2022	https://doi.org/10.1007/s13399-021-02250-x

68	Noureddine Issaoui	Sulfation of Diethylaminoethyl Cellulose with Chlorosulfonic Acid in 1,4-dioxane	Journal of Siberian Federal University: Chemistry	Scopus	2022	10.17516/1998-2836-0284
69	Noureddine Issaoui	Sulfation of Wheat Straw Soda Lignin with Sulfamic Acid over Solid Catalysts	Polymers	WOS	2022	https://doi.org/10.3390/polym14153000
70	Mohamed Bouzid	Synthesis and preparation of acid capped CdSe nanocrystals as successful adsorbent and photocatalyst for the removal of dyes from water and its statistical physics analysis	Environmental Science and Pollution Research	Scopus	2022	https://doi.org/10.1007/s11356-022-20990-9
71	Noureddine Issaoui	Synthesis, characterization, and computational survey of a novel material template o-xylylenediamine	Journal of the Iranian Chemical Society	WOS	2022	https://doi.org/10.1007/s13738-021-02392-9
72	Noureddine Issaoui, Abir Sagaama	Synthesis, crystal structure, spectroscopic, antidiabetic, antioxidant and computational investigations of Ethyl 5-hydroxy-1-isonicotinoyl-3-methyl-4,5-dihydro-1H-pyrazole-5-carboxylate	Journal of Molecular Structure	WOS	2022	https://doi.org/10.1016/j.molstruc.2021.131977
73	Mouna Medimagh, Noureddine Issaoui	Synthesis, spectroscopic, topological, hirshfeld surface analysis, and anticovid-19 molecular docking investigation of isopropyl 1-benzo yl-4-(benzoyloxy)- 2,6-diphenyl-1,2,5, 6-tetrahydropyridine-3-carboxylate	Heliyon	WOS	2022	https://doi.org/10.1016/j.heliyon.2022.e10831
74	Sameh Kaziz	Taguchi optimization of integrated flow microfluidic biosensor for COVID-19 detection	European Physical Journal Plus	WOS	2022	https://doi.org/10.1140/epjp/s13360-022-03457-1

75	Ismahene Ben Khemis, Ben Lamine Abdelmottaleb	Theoretical study of the olfactory perception of floral odorant on OR10J5 and Olfr16 using the grand canonical ensemble in statistical hysics approach	International Journal of Refrigeration	Elsevier	2022	https://doi.org/10.1016/j.ijbiomac.2022.10.201
76	Wouroud Sghaier, Yosra Ben Torkia, Abdelmaottaleb Ben Lamine	Thermodynamic analysis of cooling cycles based on statistical physics modeling of ethanol adsorption isotherms	International Journal of Refrigeration	Elsevier	2022	https://doi.org/10.1016/j.ijrefrig.2022.05.022
77	Lotfi Sellaoui	Thermodynamics and Mechanism of the Adsorption of Heavy Metal Ions on Keratin Biomasses for Wastewater Detoxification	Adsorption Science & Tchnology	WOS	2022	https://doi.org/10.1155/2022/7384924
78	Lotfi Sellaoui, Fatma Daouadi, Abdelmottaleb Ben Lamine	Understanding the Cu^{2+} adsorption mechanism on activated carbon using advanced statistical physics modelling	Environmental Science and Pollution Research	Scopus	2022	https://doi.org/10.1007/s11356-022-19795-7
79	Houcine Ghalla	Use of tetraphenyl (hydroxyl) imidazole for colorimetric detection of iodide: Optical properties, computational characterizations, NBO, QTAIM, and NCI-RDG analyses	Inorganic Chemistry Communications	Elsevier	2022	https://doi.org/10.1016/j.inoche.2022.109917
80	Fatma Dhaouadi, Lotfi Sellaoui, Abdelmottaleb Ben Lamine	Using an enhanced multilayer model to analyze the performance of nickel alginate/ graphene oxide aerogel, nickel alginate aerogel/activated carbon, and activated carbon in the adsorption of a textile dye pollutant	Environmental Science and Pollution Research	Scopus	2022	https://doi.org/10.1007/s11356-022-20343-6