COMPLETE LIST OF PUBLICATIONS

2025

1- Mechanistic insights into the oxidative degradation of amine containing CO_2 adsorbents,
I. Abidli, B. TANGOUR, A. Sayari
Environmental research, 2025, 275, 121445
IF=9.34 DOI: https://doi.org/10.1016/j.envres.2025.121445 Citations:0

2024

2- Hydrogenation of hexene catalyzed by a ruthenium (II) complex with N-heterocyclic carbene ligands.
Achour, S.;Hosni, Z.;Tangour, B.
International Journal of Quantum Chemistry, 2024, 124(15), e27456
IF=2.437 DOI : 10.1002/qua.27456 Citations:0

2023

3- CO_2 Capture by Diamines in Dry and Humid Conditions: A Theoretical Approach
Ben Said, R. ; Rahali,S.; Yan, C. ; Seydou, M. ; Tangour, B. ; Sayari, A.
The Journal of Physical Chemistry A, 2023, 127(37), 7756-7763
IF= 2.8 DOI : 10.1021/acs.jpca.3c04416 Citations:04

4- New Insights in the Use of Boron Nitrogen Nanotubes as Cisplatin Nanovector
Assas, F. Z.; Belmiloud, Y.; Abdelatif, M. L. M.; Sehailia, M; Rabahi, A.; Brahimi, M.; Tangour, B.
Physical Chemistry Research 2023, 11 (2), 253-265
IF=1.280 DOI: 10.22036/PCR.2022.334140.2054 Citations:1

5- Inside and outside quantum vacuum.
Tangour, B.
Journal of Nuclear and Particle Physics 2023, 13 (1), 1-6
DOI : 10.5923/j.jnpp.20231301.01 Citations:0

6- New insights into phosphorus biphilicity: Steriochemistry of monocyclic aminophosphoranes formation.
Mejri, A.; Fliss, O.; Essalah, K.; Boughdiri, M. A.; Picaud, F.; Tangour, B.; Sayari, A.International Journal of quantum chemistry, 2023, 123(3) e27024.
IF=2.437 DOI:10.1002/qua.27024 Citations:1

7- Fingerprinting of two an acylated polyoxypregnane glycosides from Caralluma quadrangula (Forssk.) N.E.Br. using UPLC-ESI-Q-TOF and computational study
Ben Said, R. ; Ben Aissa, M. A. ;Rahali, S. ; Tangour, B. ; Kowalczyk, M. ; Oleszek, W. ; Stochmal, A. ; Hamed, A. I.
Natural Product Research, 2023, 37 (1), 136-140
IF=2. 488 DOI : 10.1080/14786419.2021.1948847 Citations:4

2022

8- Pentavalent phosphorus formation mechanism.
Boughdiri, M. A. ; Mejri, A. ; Tangour, B.
Computational and Theoretical Chemistry 2022, 1211, 113678, 1-6
IF= 2.292 DOI: 10.1016/j.comptc.2022.113678 Citations:2

2021

9- Evaluation of a new series of pyrazole derivatives as a potent epidermal growth factor receptor inhibitory activity: QSAR modeling using quantum-chemical descriptors.
Ben Said, R.; Hanachi, R.; Rahali, S.; Alkhalifah, M. A. M.; Alresheedi, F.; Tangour, B.; Hochlaf, M.

Journal of computational chemistry 2021, 42 (32), 2306–2320.
IF=3.672 DOI: 10.1002/jcc.26761 Citations:1

10- Fingerprinting profile of flavonol glycosides from Bassia eriophora using negative electrospray ionization, computational studies and their antioxidant activities.
Ben Said, R.; Rahali, S.; Aissa, M. A. B.; Abdel-Farid, I. B.; Mohamed, A. A.; Tangour, B.; Kowalczyk, M.; Oleszek, W.; Stochmal, A.; Hamed, A. I.
Journal of Molecular Structure 2021, 1241, 130689, 1-13.
IF=3.841 DOI: 10.1016/j.molstruc.2021.130689

11- p-Trifluoromethyl- and p-pentafluorothio-substituted curcuminoids of the 2,6-di(E)-benzylidene) cycloalkanone type: Syntheses and activities against Leishmania major and Toxoplasma gondii parasites.
Al Nasr, I. S.; Hanachi, R.; Said, R. B.; Rahali, S.; Tangour, B.; Abdelwahab, S. I.; Farasani, A.; Taha, M. M. E.; Bidwai, A.; Koko, W. S.; Khan, T. A.; Schobert, R.; Biersack, B.
Bioorganic chemistry 2021, 114, 105099, 1-12.
IF=5.307 DOI: 10.1016/j.bioorg.2021.105099 Citations:1

12- Confinement of the antitumoral drug cisplatin inside edge-functionalized carbon nanotubes and its release near lipid membrane.
Mejri, A.; Tangour, B.; Herlem, G., Picaud, F.
European Physical Journal D 2021, 75 (3), 99.
IF=1.611 DOI: 10.1140/epjd/s10053-021-00114-7 Citations:4

13- Structural, QSAR, machine learning and molecular docking studies of 5-thiophen-2-yl pyrazole derivatives as potent and selective cannabinoid-1 receptor antagonists.
Hanachi, R.; Ben Said, R.; Allal, H.; Rahali, S.; Alkhalifah, M. A. M.; Alresheedi, F.; Tangour, B.; Hochlaf, M.
New Journal of Chemistry 2021, 45 (38), 17796–17807.
IF=3.925 DOI: 10.1039/D1NJ02261J Citations:1

14- Fluorine and chlorine gas storage by confinement inside boron nitrogen nanotubes.
Assas, Y. F. Z.; Belmiloud, Y.; Abdelatif, M. L.; Abtouche, S.; Brahimi, M.; Tangour, B.
Indian Journal of chemistry 2021, 1192–1200.
IF=0.631 DOI: 10.56042/ijca.v60i9.47242

2020

15- A unified approach to CO_2-Amine Reaction Mechanisms.
Ben Said, R.; Kolle, J. M.; Essalah, K.; Tangour, B.; Sayari, A.
ACS omega 2020, 5 (40), 26125–26133.
IF=4.132 DOI: 10.1021/acsomega.0c03727 Citations:34

16- Hexene hydrogenation catalysed by the complex monohydrid complexes: A DFT study of associated vs dissociated pathways.
Achour, S. ; Hosni, Z. ; Tangour, B.
Journal of molecular graphics & modelling 2020, 98, 107583, 1-10.
IF=2.942 DOI: 10.1016/j.jmgm.2020.107583 Citations:4

17- On the importance of the novel RIRC technique to highlight the Hidden Intermediate of Reaction in the SNAr Reaction of piperidine on 2-bromo-3,5-dinitrothiophene.
Smaoui, A.; Essalah, K.; Assfeld, X.; Herlem, G.; Picaud, F.; Tangour, B.
Authorea, 2020.
DOI: 10.22541/au.158514321.10272485 Citations:1

18- First-principles study of the reaction mechanism governing the SNAr of the dimethylamine on 2-methoxy-5-nitrothiophenes.
Smaoui, A.; Essalah, K.; Boubaker, T.; Assfeld, X.; Picaud, F.; Tangour, B.
Theoretical Chemistry Accounts 2020, 139 (6), 1-14.
IF=2.154 DOI: 10.1007/s00214-019-2519-x Citations:2

2019

19- Multiscale Study of Hydrogen Storage in Metal-Organic Frameworks.
Rahali, S. ; Seydou, M. ; Belhocine, Y. ;Tangour B.
Materials Research Foundations, Chapter 1, 2019 (58), 1–18.
DOI: 10.21741/9781644900437-1

20- A DFT Study of the Hexene Hydrogenation Catalysed by the Complex RuH(CO)(Cl)(PCy_3): Monophosphine vs Diphosphine Paths,
Hosni, Z. ; Tangour, B. ; Achour, S. ;
Chemrxiv 2019.
DOI: 10.26434/chemrxiv.9537704.v1 Citations:1

21- Encapsulation of anticancer drug doxorubicin inside dendritic macromolecular cavities: First-principles benchmarks.
Besrour, H. ; Tangour, B. ; Linguerri, R. ; Hochlaf, M ;
Spectrochimica acta. Part A, Molecular and biomolecular spectroscopy 2019, 217, 278–287.
IF=4.831 DOI: 10.1016/j.saa.2019.03.083. Citations:3

22- Proton transfer in the benzimidazolone and benzimidazolthione tautomerism process catalysed by polar protic solvents
Abdeljebar, H.; Belmiloud, Y., Djitli, W. ; Achour, S.; Brahimi, M.; Tangour B.
Progress in Reaction Kinetics and Mechanism 2019, 44 (2), 143–156.
IF=0.642 DOI: 10.1177/1468678319825740 Citations:3

23- Intramolecular Path Determination of Active Electrons on Push-Pull Oligocarbazole Dyes-Sensitized Solar Cells.
Trabelsi, S.; Kouki, N.; Seydou, M.; Maurel, F.; Tangour, B.
Chemistry Open 2019, 8 (5), 580–588.
IF=2.630 DOI: 10.1002/open.201800224 Citations:6

24- M. Four Major Channels Detected in the Cytochrome P450 3A4: A Step toward Understanding Its Multispecificity.
Benkaidali, L.; André, F.; Moroy, G.; Tangour, B.; Maurel, F.; Petitjean,
International journal of molecular sciences 2019, 20 (4), 987, 1-22.
IF=6.208 DOI: 10.3390/ijms20040987 Citations:10

25- Internal path investigation of the acting electrons during the photocatalysis of panchromatic ruthenium dyes in dye-sensitized solar cells.
Kouki, N.; Trabelsi, S.; Seydou, M.; Maurel, F.; Tangour, B.
Comptes Rendus Chimie 2019, 22 (1), 34–45.
IF=3.117 DOI: 10.1016/j.crci.2018.10.009 Citations:4

2018

26- H_2 Storage By Confinement Inside Germanium Nanotubes
Djitli, W.; Abdelatif, M. L.; Belmiloud, Y.; Abdeldjebar, H .; Brahimi, M.; Tangour, B.;
Superlattices and Microstructures 2018, 122, 596-607.
IF=2.656 DOI: 10.1016/j.spmi.2018.06.040 Citations:3

27- A computational study of adsorption of hydrogen and diatomic molecules on azadibenzo-corannulene,
Belhocine, Y.; Rahali, Adlane, Seyfeddine; Kerboua; Tangour, B.,
Proceeding of Engeneering and Technology, 2018, 28, 93-94.

28- Interaction of HF, HBr, HCl and HI molecules with carbon nanotubes
Gtari, W; Tangour, B
Acta Chimica Slovenica 2018, 65 (2) , 289–295.
IF=0.983 DOI: 10.17344/acsi.2017.3698 Citations:4

29- The encapsulation of the anticancer drug Gemcitabine into graphene nest: A theoretical study
Mlaouah, M.; Tangour, B.; El Khalifi, M.; Gharbi, T.; Picaud, F.
Journal of Molecular Moddeling 2018, 24,102, 1-9.

IF=2.171 DOI: 10.1007/s00894-018-3627-6 Citations:13

30- The ambident electrophilic behavior of 5-nitro-3-X-thiophenes in σ- complexation processes.
Gabsi, W.; Essalah, K. ; Goumont, R. ; Tangour, B. ; Boubaker, T.
International Journal of Chemical Kinetics 2018, 50 (9), 659–669.
IF=1.502 DOI: 10.1002/kin.21190 Citations:11

31- Intramolecular hydrogenation of triethylsilylethylene catalyzed by Ru (II) complex: Agostic bond formation and trizonal transition states with ten acting atoms
Achour, S. ; Seydou, M. ; Maurel, F. ; Tangour, B.
Inorganica Chimica Acta 2018, 469, 536-544.
IF=3.118 DOI: 10.1016/j.ica.2017.10.013 Citations:5

2017

32- Fast characterization of C-glycoside acetophenones in Medemia argun male racemes (an Ancient Egyptian palm) using LC-MS analyses and computational study with their antioxidant effect
Ben Said, R. ; Hamed, A.I. ; Essalah, K.; Al-Ayed, A.S.; Boughdiri, S. ; Tangour, B. ; Kowalczyk, M.; Moldoch, J.; Mahalel, U. A. ; Oleszek, W. ; Stochmald, A.
Journal of Molecular Structure 2017, 1145, 230-239.
IF=3.841 DOI: 10.1016/j.molstruc.2017.05.105 Citations:8

33- The Cytochrome P450 3A4 has three Major Conformations: New Clues to Drug Recognition by this Promiscuous Enzyme
Benkaidali, L. ; André, F. ; Moroy, G. ; Tangour, B. ; Maurel, F. : Petitjean, M.
Molecular Informatics 2017, 36 (10), 1700044, 1-10.
IF=4.050 DOI: 10.1002/minf.201700044 Citations:3

34- Controlling activation barrier by carbon nanotubes as nano-chemical reactors
Méjri, A. ; Picaud, F. ; El Khalifi, M. ; Gharbi, T. ; Tangour, B.
Journal of Molecular Modeling 2017, 23 (8), 229, 1-7.
IF=2.172 DOI: 10.1007/s00894-017-3411-z Citations:2

35- Multiscale study of the structure and hydrogen storage capacity of an aluminum metal-organic framework
Rahali, S. ; Belhocine, Y. ; Seydou, M. ; Maurel, F. ; Tangour, B.
International Journal of Hydrogen Energy 2017, 42 (22), 15271-15282.
IF=7.139 DOI: 10.1016/j.ijhydene.2017.04.258 Citations:23

36- Structural study of TiO_2 nanotube based to the (101) anatase surface
Dargouthi, S. ; Minot, C. ; Tangour, B.
Superlattices and Microstructures 2017,102, 307-313.
IF=2.658 DOI: 10.1016/j.spmi.2016.12.058 Citations:6

37- Balance between physical and chemical interactions of second-row diatomic molecules with graphene sheet
Rahali, S. ; Belhocine, Y. ; Touzeau, J. ; Tangour, B. ; Maurel, F. ; Seydou, M.
Superlattices and Microstructures 2017,102, 45-55.
IF=2.658 DOI: 10.1016/j.spmi.2016.12.015 Citations:13

38- First principles calculations of a H_2 molecule inside boron-nitrogen nanotubes
Belmiloud, Y. ; Djitli, W.; Abdeljebar, H. ; Abdelatif, M.L.; Tangour, B. ; Brahimi, M.
Superlattices and Microstructures 2017, 101, 547-558.
IF=2.658 DOI: 10.1016/j.spmi.2016.10.081 Citations:11

2016

39- Theoretical and experimental reinvestigation of methoxide ion reaction with 7-methyl 4-nitro benzofuroxan
Boughdiri, M. A. ; Tangour, B. ; Boubaker, T.
Journal of Theoretical and Computational Chemistry 2016, 15(3), 1650030, 1-10.
IF=0.939 DOI: 10.1142/S0219633616500309 Citations:2

40- An “In Silico” Study of Drug Vectorization by a Carbon Nanocone
Khemir, H. ; Tangour, B.; Moussa, F.
Journal of Computational and Theoretical Nanoscience 2016, 13 (5), 3384-3392.

IF=0.457 DOI: 10.1166/jctn.2016.5003 Citations:4

41- Etude expérimentale et théorique de la cinétique de l'alcoolyse de la liaison P–N extracyclique du 2-diméthylamino-4, 4, 5, 5-tétraméthyl-1, 3-dioxaphospholane monocyclique
Fliss, O. ; Mejri, A. ; Essalah, K. ; Boisdon, M.T. ; Tangour, B.
Comptes Rendus Chimie 2016, 19 (5), 585-593.
IF=3.117 DOI: 10.1016/j.crci.2015.11.007 Citations:5

42- First-principles investigation of hydrogen storage on lead (II)-based metal-organic framework
Rahali , S. ; Seydou, M. ; Belhocine, Y. ; Maurel , F. ; Tangour, B.
International Journal of Hydrogen Energy 2016, 41(4), 2711–2719.
IF=7.139 DOI: 10.1016/j.ijhydene.2015.12.153 Citations:16

43- Theoretical investigation of methoxide ion reaction on 7- methyl 4,6 dinitrobenzofuroxan,
Boughdiri, M. A. ; Boubaker, T.; Tangour, B.
Canadian Journal of Chemistry 2016, 94(8), 699-703.
IF=1.051 DOI: 10.1139/cjc-2016-0034 Citations:1

2015

44- F_2 storage by confinement inside carbon nanotubes
Gtari, W. ; · Tangour, B.
Canadian Journal of Chemistry 2016, 94(1), 15-19.
IF=1.051 DOI: 10.1139/cjc-2015-0235 Citations:10

45- In Silico Study of Spacer Arm Length Influence on Drug Vectorization by Fullerene C60
Khemir, H.; Moussa, F. ; Tangour, B.
Journal of Nanomaterials 2015, 374218, 1-8
IF=3.672 DOI: 10.1155/2015/374218 Citations:2

46- The atomic periodic town_ Exceptions detection.
Tangour, B.
Researchegate
DOI: 10.13140/RG.2.1.2074.5126

47- Stabilizing of the Transitory Species $(TiO_2)_2$ by Encapsulation Into Carbon Nanotubes
Dargouthi , S. ; ·Boughdiri, S. ; Tangour, B.
Acta Chimica Slovenica 2015,62(2) , 445-451.
IF=0.983 DOI: 10.17344/acsi.2014.1080 Citations:13

48- Encapsulation into carbon nanotubes and release of anticancer cisplatin drug molecule
Mejri, A. ; Vardanega, D. ; Tangour, B ; Gharbi, T ; Picaud, F.
The Journal of Physical Chemistry B 2013, 119 (2), 604-611.
IF=2.991 DOI: 10.1021/jp5102384 Citations:70

49- Beyond the MADELUNG-KLECHKOWSKI rule of aufbau orbital filling principle
Tangour, B.
World Journal of Chemical Education 2015, 3(6), 160-167.
DOI: 10.12691/wjce-3-6-5

2014

50- Stability of TiO_2 Molecule Confined Inside aCarbon Nanotube: A Theoretical Study
Dargouthi, S. ; Boughdiri, S. ; Tangour, B.
Journal of Computational and Theoretical Nanoscience 2014, 11(5), 1258-1263.
IF=0.457 DOI: 10.1166/jctn.2014.3491 Citations:9

51- ^{195}Pt Chemical Shift Ability to Control the Antitumor Drug Cisplatin Encapsulated Into Carbon Nanotubes: A Theoretical Study,
Hosni, Z. ; Bessrour, R. ; Tangour, B.
Journal of Computational and Theoretical Nanoscience 2014, 11(2), 318-323.
IF=0.457 DOI: 10.1166/jctn.2014.3354 Citations:27

2013

52- A theoretical study of the dihydrogen molecule confined inside carbon nanotubes,
Gtari,W. ; Tangour, B.
International Journal of Quantum Chemistry 2013, 113(21), 2397-2404.
IF=2.437 DOI: 10.1002/qua.24474 Citations:25

53- Periodic atomic town and Boomerang periodic tables
Tangour, B.
http://www.meta-synthesis.com/webbook/35_pt/pt_database.php?PT_id=629
DOI: :10.13140/RG.2.1.2598.8005

2012

54- Theoretical Study of the Anti-Human Immuno-Deficiency Virus TIBO Molecule Confined Into Carbon Nanotubes
Belmiloud, Y. ; Ouraghi, M. ; Brahimi, M. ; Benaboura, A. ; Charqaoui, D. ; Tangour, B.
Journal of Computational and Theoretical Nanoscience 2012, 9(8), 1101-1108.
IF=0.457 DOI: 10.1166/jctn.2012.2150 Citations:22

55- Controlling drug efficiency by encapsulation into carbon nanotubes: A theoretical study of the antitumor Cisplatin and the anti-HIV TIBO molecule
Bessrour, R.; Belmiloud, Y.; Hosni Z.;, Tangour, B.
AIP Conference Proceedings 2012, 1456, 229-239.
DOI: : 10.1063/1.4730664

-

2012

56- C_6H_2@ Single Walled Carbon Nanotube First Principle Theoretical Study: Equivalent Temperature Confinement Effect of Carbon Nanotubes
Gannouni, A.;Ouraghi, M. ; Boughdiri, S. ; Bessrour, R. ; Benaboura, A. ; Tangour, B.
Journal of Computational and Theoretical Nanoscience 2012 , 9 (3), 379-383.
IF=0.457 DOI: 10.1166/jctn.2012.2034 Citations:12

2008

57- Réarrangement thermique de N-acyl-2,2-diméthylaziridines substituées : Une étude mécanistique
Besbes , N. ; Ayed , T. ; Pale, P. ; Tangour, B.
Comptes Rendus Chimie 2008, 11, (10), 1283-1288.
IF=0.457 DOI: 10.1016/j.crci.2008.07.002 Citations:9

58- Revisiting the nature of the ZnO ground state: Influence of spin orbit coupling,
S. Boughdiri , B. Tangour , Ch. Teichteil, J. C. Barthelat ,Th. Leininger ,
Chemical Physics Letters 2008, 462, (1-3), 18-22.
IF=2.719 DOI: 10.1016/j.cplett.2008.06.091 Citations:9

59- Quantum chemical investigations of intramolecular isomerization in $RuH_2(CO)_2(PMe_3)_2$
Ben Said R., Tangour B. , Barthelat J. C,
Journal of Molecular Structure. THEOCHEM 2008, 857 (1-3) , 115-122.
IF=3.196 DOI: 10.1016/j.theochem.2008.02.011 Citations:7

60- Le monde magique du nanomètre, Tangour, B. ; Réalités, Tunisie, 2008(1159), 24-28.

61- Preface,
Tangour, B.
Journal of Molecular Structure. THEOCHEM 2008, 852 (1-3), 1-1.
IF=3.196 DOI:10.1016/j.theochem.2007.12.017

2007

62- Quantum chemical investigations of olefin addition on ruthenium II complexes
Ben Said, R., Tangour, B.
Biosciences Biotechnology Research Asia 2007 , 4 (1), 83-88.
https://www.biotech-asia.org/?p=5555

63- Addition of bio-organic compounds on C60: A semi-empirical investigation of its reactivity with glycine
Messaouda, M. B. ; Moussa, F. ; Tangour, B. ; Szwarc, H. ; Abderrabba, M.
Journal of Molecular Structure: THEOCHEM 2007 , 809 (1-3), 153-159.
IF=3.196 DOI: 10.1016/j.theochem.2007.01.016 Citations:20

2006

64- Theoretical study of the metal-metal interaction in dipalladium(I) complexes
Ayed, T.; Guihéry, N.; Tangour, B.; Barthelat, J.-C.
Theoretical Chemistry Accounts 2006, 116 (4-5), 497-504.
IF=2.154 DOI: 10.1007/s00214-006-0086-4 Citations:10

65- Theoretical DFT study of 1,3,2-dioxa-phosphoranes formation by oxidative addition of methanol on monocyclic phospholanes
Fliss, O.; Bessrour, R.; Tangour, B.
Journal of Molecular Structure. THEOCHEM, 2006, 758 (2-3), 225-232.
IF=3.196 DOI: 10.1016/j.theochem.2005.04.020 Citations:11

66- Theoretical study of the kinetic-thermodynamic competition between the σ-complexes obtained by the reaction of the methoxy ion on the 7-methyl 4-nitro benzofuroxan
Boughdiri, M.A.; Fliss, O.; Boubaker, T.; Tangour, B.
Biosciences Biotechnology Research Asia, 2006 , 3 (2 A), 317-322.
https://bit.ly/30ISlwI Citations:1

67- Theoretical thermodynamic study of the unexpected stability and electrophily of the 7-methyl 4,6 dinitro benzofuroxane (DNBF)
Boughdiri, M.A.; Fliss, O.; Boubaker, T.; Tangour, B.
Oriental Journal of Chemistry 2006, 22(3), 463-498.
http://www.orientjchem.org/?p=19549 Citations:2

2005

68- Structure and bonding in a disilazane ruthenium complex. Catalytic selective deuteration of disilazane
Ayed, T. ; Barthelat, J.C. ; Tangour, B. ; Pradère, C. ; Donnadieu, B. ; Grellier, M. ; Sabo, S.
Organometallics 2005, 24 (16), 3824-3826.
IF=3.837 DOI: 10.1021/om050361t Citations:47

69- A DFT study of monophosphate complexes of iron (III)$Fe(H_2PO_4)(H_2O)_m^{2+}$(m=3,4,5)
Dhouib, A. ; Essalah, K. ; Tangour, B. ; Abderrabba, M.
Journal of Molecular Structure. THEOCHEM 2005 , 715 (1-3), 125-131.
IF=3.196 DOI: 10.1016/j.theochem.2004.11.008 Citations:3

70- Synthesis of acid 2,9-di-(ortho-hydroxyphenoxy) sebacic by microwaves activation technique
Telmoudi, A. ; M'Henni, F. ; Tangour, B.
Oriental Journal of Chemistry 2005, 21(2), 213-217.
http://www.orientjchem.org/?p=19049

71- Validation of the ONIOM method in a small system: $RuH_2[\Pi^2HSiMe_2)_2NH]PMe_3)_2$
Ayed, T.; Tangour, B.; Barthelat, J.C.
Oriental Journal of Chemistry 2005, 21(1), 29-34.
Citations:1

72- Electronic properties study of ZnX ($1\Sigma^+$) molecules (X= O, S, Se , Te , Po)
Boughdiri, S. ; Dachraoui, M. ; Tangour, B.
Oriental Journal of Chemistry 2005, 21(2), 235-240.
http://www.orientjchem.org/?p=19059

2004

73- Theoretical study of monophosphate complexes of iron (III) in tetrahedral bipyramidaland octahedral environments

Dhouib, A. ; Essalah, K.; Tangour, B.; Abderrabba, M.
Oriental Journal of Chemistry 2004, 20(3), 457-466.
http://www.orientjchem.org/?p=18757

74- Aromaticity or non aromaticity in germanazenes? Theoretical studies on germanazenes, the N-cyano analogs and their carbodiimide isomers
Boughdiri, S.; Hussein, K.; Tangour, B.; Dahrouch, M.; Rivière-Baudet, M.; Barthelat, J.C.
Journal of Organometallic Chemistry 2004 , 689 (21), 3279-3286.
IF=2.369 DOI: 10.1016/j.jorganchem.2004.06.019 Citations:11

2003

75- A DFT study of germane activation in ruthenium complexes. σ-Coordination versus oxidative addition
Ben Said, R.; Hussein, K.; Tangour, B.; Sabo-Etienne, S.; Barthelat, J.-C.
New Journal of Chemistry 2003, 27 (9), 1385-1391.
IF=3.925 DOI: 10.1039/B303261B Citations:12

76- A density functional theory study of dinitrogen bonding in ruthenium complexes
Ben Said, R.; Hussein, K.; Tangour, B.; Sabo-Etienne, S.; Barthelat, J.-C.
Journal of Organometallic Chemistry 2003, 673 (1-2), 56-66.
IF=2.369 DOI: 10.1016/S0022-328X(03)00157-8 Citations:5

77- Calcul ab-initio des intégrales de Transfert, structure de Bande et surface de Fermi du $(TMTSF)_2PF_6$ et du $(TMTTF)_2PF_6$
Essalah K. ; Krichene S. ; Tangour B. ; Abderrabba M.
Journal de la Société Chimique de Tunisie 2003, 5, 125-135.
http://www.sctunisie.org/pdf/JSCT_v5-15.pdf

78- Kinetic Study of Phosphoranes formation by oxidative addition of aliphatic alcohols on monocyclic Phospholanes
Boubaker T.; M. Th. Boisdon; Bessrour R.; Tangour B.
Oriental Journal of Chemistry 2003, 19(2), 509-514.
http://www.orientjchem.org/?p=17931" Citations:1

79- ab-initio calculation of the gyroscopic tensor of $(TMTSF)_2ClO_4$
Essalah K. ; Dhouib A. ; Krichene S. ; Tangour B. ; Abderrabba M.
Oriental Journal of Chemistry 2003, 19(1), 9-12.
http://www.orientjchem.org/?p=17648

80- Theoretical ab-initio study of nitric oxide reduction reaction by carbon monoxide catalyzed by silver
Fliss O., Bouhlel O. , B. Tangour
Oriental Journal of Chemistry 2003, 19(2), 267-274
http://www.orientjchem.org/?p=17705" Citations:1

2002

81- Gyroscopic tensor ab initio calculation of the molecular crystals: $(Mo_6X_{14})^{2-}Y^-(TTF^+)_3$ (X = Br, Cl and Y = Br, Cl, I)
Dhouib, A. ; Essalah, K. ; Tangour, B. ; Abderraba, M.
International Journal of Quantum Chemistry 2002 , 87 (4), 220-224.
IF=2.437 DOI: 10.1002/qua.1073 Citations:3

82- Cinétique et Thermodynamique de la σ-complexation du 2-(4'-Nitrophénol)-4,6-Dinitrobenzotriazole 1- oxyde en solution aqueuse
Boubaker, T. ; Pierre Chatrousse, A. ; Tangour B, ; Terrier, F.
Journal de la Société Chimique de Tunisie 2002, 4, 1497-1507.
http://www.sctunisie.org/pdf/JSCT_v4-11-13.pdf Citations:6

83- Water and hydroxide ion pathways in the σ-complexation of superelectrophilic 2-aryl-4,6-dinitrobenzotriazole 1-oxides in aqueous solution.
A kinetic and thermodynamic study

Boubaker, T.; Pierre Chatrousse, A. ; Terrier, F. ; Tangour, B. ; Dust, J.M. ; Buncel, E.
Journal of the Chemical Society, Perkin Transactions 2002, 2 (9), 1627-1633.
DOI: 10.1039/B201731H Citations:46

2001

84- Theoretical ab initio study of NO and CO depollution reaction catalyzed by zinc
Bouhlel, O. ; Boughdiri, S. ; Fliss, O. ; Tangour, B.
Journal of Molecular Structure: THEOCHEM 2001, 571, 191-199.
IF=3.196 DOI: 10.1016/S0166-1280(01)00566-8 Citations:1

85- Theoretical ab initio study of NO and CO depollution reaction catalyzed by copper
Bouhlel, O. ; Zina, M. ; Boughdiri, S. ; Tangour, B.
International Journal of Quantum Chemistry, 2001, 84 (6), 623-629.
IF=2.437 DOI: 10.1002/qua.1417 Citations:3

1999

86- Theoretical vibrational study of PI_3, PI_2H, PIH_2
Ben Said R.; Boughdiri S.; Tangour B.
The Internet Journal of vibrational spectroscopy 1999, 3(3), 1-7.
http://www.irdg.org/the-infrared-and-raman-discussion-group/ijvs/ijvs-volume-3-edition-3/theoretical-vibrational-study-of-pl3-pl2h-and-plh2/

87- Etude Théorique des propriétés physico-chimiques et spectroscopiques de Cu_2X et CuX, X=S,O
Boughdiri, S. ; Tangour, B. ; Dachraoui, M.,
Journal de Chimie Physique, 1993, 90, 2039-2054
DOI: 10.1051/jcp/1993902039

1991

88- ab initio study of some spectroscopic properties of PF_2H
Tangour, B.; Ben Caid, M.; Barthelat , J. C.
Journal of Molecular Structure: THEOCHEM 1991, 235 , 398-408.
IF=3.196 DOI: 10.1016/0166-1280(91)85113-L Citations:3

1989

89- Les phosphoranes monocycliques à liaison PH dans les réactions de redistribution de ligands des composés du phosphore tricoodonné
Tangour B., Malavaud C., Boisdon M. Th., Barrans J.
Phosphorus, Sulfur and Silicon and the related elements 1989, 45, 189-195.
IF=1.052 DOI: 10.1080/10426508908045017 Citations:10

1988

90- Formation d'alcoxy et d'alkylamino dioxa, oxaza et diazaphospholanes monocycliques A liaison PH
Tangour, B.; Malavaud C., Boisdon M. Th., Barrans J.
Phosphorus, Sulfur and Silicon and the related elements 1988, 40, 33-39.
IF=1.052 DOI: 10.1080/03086648808072890 Citations:6

91- Addition de composés insaturés sur les phosphoranes monocycliques A liaison PH
Tangour, B. ; Boisdon, M. Th. ; Malavaud, C. ; Barrans, J.
Tetrahedron 1988, 44(19), 6087-6093.
IF=2.388 DOI: 10.1016/S0040-4020(01)89798-2 Citations:12

1980

92- Phosphoranes monocycliques à liguand Hydrogène. – Etude de l'équilibre de formation
Boisdon, M. Th.; Malavaud, C.; Tangour, B.; Barrans, J.
Phosphorus, Sulfur and Silicon and the related elements 1980, 8, 305-314.
IF=1.052 DOI: 10.1080/03086648008078206 Citations:14