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Rachid Touzani was born in Oujda, Morocco, in 1971. He received his B.A. in 1996 from Mohammed First University Oujda, Morocco, and his Ph.D. in Chemistry from Mohammed First University Oujda, Morocco, in 2001, under the supervision of professors Abdelkrim Ramdani, Sghir El Kadiri, Taibi Ben Hadda, Pierre Dixneuf and Belkheir Hammouti.

Research Experience

- Jan 2016 until now* **Professor (Full)** Université Mohammed Premier, Department of Chemistry Oujda, Morocco
- Sep 2009 – Jan 2016* **Professor (Associate)** Université Mohammed Premier, Department of Chemistry, Oujda, Morocco
- Jun 2005 – Nov 2016* **Prof (Assistant)** Université Mohammed Premier, Department of Chemistry Oujda, Morocco
- Oct 2002 – Jun 2005* **Post Doc Position** University of Ottawa, Department of Chemistry Ottawa, Canada , Dendrimers under the supervision of Prof Haword Alper
- Jun 2001 – Jul 2002* **Post Doc Position** Université de Rennes 1, Institut des Sciences Chimiques de Rennes (ISCR) - UMR CNRS 6226 Rennes, France, Combinatorial chemistry and catalysis with Prof Pierre H Dixneuf and Dr Olivier Lavastre.

Statistics

RG Score 41.2

Publications 222

Reads 25,604

Citations 1631

Skills & Activities

Skills Organic Synthesis, Organometallics, Heterocyclic Chemistry, Organic Chemistry Synthesis, Coordination Chemistry, Catalysis, Synthesis, Dendrimers, Metals, Macrocycles, Heterocyclic Compounds Synthesis, Pyrazoles, Metal Oxides, Multistep Synthesis, Asymmetric Synthesis, Synthetic Methodology, Stereochemistry, Chirality, Medicinal and Pharmaceutical Chemistry, Polyurethane, Adsorption, Essential Oils, Natural Compounds, Copper, Steel, Materials

Languages Arabic, English, French

Scientific Memberships ACS
SFC
CSC
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Interests Scopus Author ID: 6603668265 :
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Publication Highlights

Books

A. Zerouk, B Hammouti, R Touzani: *Theoretical Investigation on the Corrosion Inhibition of Copper by Quinoxaline Derivatives in Nitric Acid Solution, Chapter 5 in DEFT and QUANTUM CHEMICAL STUDIES OF HETEROCYCLIC COMPOUNDS*. Lambert edited by Germany, 01/2013; Lambert., ISBN: 978-3-659-2160-1-5

Selected Journal Publications

1. Rabab Boyaala, Rachid Touzani, Thierry Roisnel, Vincent Dorcet, Elsa Caytan, Denis Jacquemin, Julien Boixel, Veronique Guerchais, Henri Doucet, Jean-François Soulé: *Catalyst-Controlled Regiodivergent C–H Arylation Site of Fluorinated 2-Arylpyridine Derivatives: Application to Luminescent Iridium(III) Complexes*. ACS Catalysis 12/2018; DOI:10.1021/acscatal.8b04553
2. Zouhair Ait-Touchente, Housseem Eddine El Yamine Sakhraoui, Najla Fourati, Chouki Zerrouki, Naima Maouche, Rachid Touzani, Nourdin Yaakoubi, Mohamed M. Chehimi: *Zinc Oxide Nanorods Wrapped with Ion-Imprinted Polypyrrole Polymer for Picomolar Selective and Electrochemical Detection of Mercury II Ions*. 12/2018; 2(13):1004., DOI:10.3390/proceedings2131004
3. Hakima Boulemche, Barkahem Anak, Amel Djedouani, Rachid Touzani, Michel François, Solenne Fleutot, Franck Rabilloud: *Synthesis, X-ray crystallography, computational studies and catecholase activity of new zwitterionic Schiff base derivatives*. Journal of Molecular Structure 10/2018; 1178., DOI:10.1016/j.molstruc.2018.10.078
4. Abdelqader El Guerra, Abderrahim Titi, Karima Cherrak, Naoual Mechbal, Mohamed El Azzouzi, Rachid Touzani, Belkheir Hammouti, Hassane Lgaz: *The Synergistic Effect of Chloride Ion and 1,5-Diaminonaphthalene on the Corrosion Inhibition of Mild Steel in 0.5 M Sulfuric Acid: Experimental and Theoretical Insights*.. DOI:10.1016/j.surfin.2018.09.004
5. Haroon Khan, Taibi Ben Hadda, Rachid Touzani, Mohammad A. Kamal: *Pharmacological and Therapeutic potential of Nitidine, a plant alkaloid*. Current Drug Metabolism 06/2018; 19(12)., DOI:10.2174/1389200219666180628165643
6. Farid Abrigach, Yahya Rokni, Abdelilah Takfaoui, Mohamed Khoutoul, Henri Doucet, Abdeslam Asehrou, Rachid Touzani: *In vitro screening, homology modeling and molecular docking studies of some pyrazole and imidazole*

derivatives. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie 04/2018; 103:653-661., DOI:10.1016/j.biopha.2018.04.061

7. Titi Abderrahim, Naoual Mechbal, Abdelqader El Guerraf, Mohamed el Azzouzi, Rachid Touzani, Belkheir Hammouti, Ill-Min Chung, Hassane Lgaz: *Experimental and Theoretical Studies on Inhibition of Carbon Steel Corrosion by 1,5-Diaminonaphthalene*. DOI:10.1007/s40735-018-0140-5
8. Mouslim Messali, Rafika El Ati, Rachid Touzani, Mohamed Reda Aouad, Ismail Warad: *Crystal structure of the coordination polymer catena-poly[chlorido- $\{\mu^2-2-(((3,5\text{-dimethyl-1H-pyrazol-1-yl)methyl)amino)-3\text{-hydroxybutanoato-}\kappa^4N,N,O:O'\}$ copper(II)], $C_{11}H_{16}ClCuN_2O_3$* . Zeitschrift für Kristallographie. New crystal structures 03/2018,, DOI:10.1515/ncrs-2017-0383
9. Rabab Boyaala, Rafika El Ati, Mohamed Khoutoul, Mohamed El Kodadi, Rachid Touzani, Belkheir Hammouti: *Biomimetic oxidation of catechol employing complexes formed in situ with heterocyclic ligands and different copper(II) salts*. Journal of the Iranian Chemical Society 10/2017; 15(2):1-8., DOI:10.1007/s13738-017-1211-0
10. Zouhour Mazouz, Zouhair Ait Touchente, Houria Laradi, Najla Fourati, Nourdin Yaakoubi, Rachid Touzani, Mohamed M. Chehimi, Rafik Kalfat, Ali Othmane, Chouki Zerrouki: *Design of Novel Electrochemical Sensors for the Selective Detection of Glyphosate*. 08/2017; 1(4):483., DOI:10.3390/proceedings1040483