

السيرة الذاتية

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| ١. المعلومات الشخصية | |
| حنان عبدالكريم محمد قصير | الاسم |
| الاردنية | الجنسية |
| Department of Chemistry Faculty of Science - Mu'tah University 61710 Mu'tah – Karak Jordan Email: hqaseer2@mutah.edu.jo hqaseer@yahoo.com | معلومات الاتصال |

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| ٢. المؤهلات العلمية | | | | |
| التخصص | الدولة | السنة | الجامعة | |
| الكيمياء | الاردن | 1983 | جامعة اليرموك | البكالوريوس |
| الكيمياء | الاردن | 1986 | جامعة اليرموك | الماجستير |
| كيمياء غير عضوية والعوامل المساعدة | الولايات المتحدة الامريكية | 1997 | جامعة ليولا شيكاغو | الدكتوراه |

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| ٣. الاهتمامات البحثية والتدريسية |
| <p>Research Interests: My research interest focuses on the following topics:</p> <ul style="list-style-type: none"> ➤ Asymmetric Synthesis by Using Chiral Palladium(II). Catalysts. ➤ Chiral Drug Synthesis by mean of Chirotechnology. ➤ Organometallic and Inorganic Synthesis. ➤ Biological Activity Studies of Transition Metal Complexes. <p>Teaching:- I teach courses in Inorganic Chemistry courses for major undergraduate students. In addition to, General Organic Chemistry for medicine students. For graduate students, I teach Chemical Application of Group Theory and Bioinorganic Chemistry courses.</p> |

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| ٤. المنشورات |
| أ. الكتب: |

| ب.الابحاث | | | | |
|-----------|---------------|-------------|---|---|
| الصفحات | العدد والمجلد | تاريخ النشر | المجلة | العنوان |
| 1745-1750 | 136 part C | 2015 | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | Pr(III) luminescence enhancement by chelation in solution and in sol-gel glass |
| 154-161 | 3 | 2014 | <i>J. Environ. Occup. Sci.</i> | Solid-phase extraction employing 5-methyl-4-(2-thiazolylazo) resorcinol entrapped in sol-gel glass as a sorbent resin to remove zinc ions |
| 123-128. | 87 | 2014 | <i>Croat. Chem. Acta.</i> | Supramolecular interactions involved in the solid state structure of N,N'-[bis(pyridin-2-yl)formylidene]ethane-1,2-diamine |
| 237-242 | 54 | 2013 | <i>Polyhedron</i> | Substitution reactions of cis-dichlorobis{2-(2'-pyridyl)quinoline}rhodium(III) chloride |
| 2699-2701 | 53 | 2012 | <i>Tetrahedron Lett.</i> | Asymmetric α -hydroxy ketone synthesis by direct ketone oxidation using a bimetallic palladium(II) complex |
| 564 - 567 | 39 | 2009 | <i>J. Chem. Crystallogr.</i> | Solid State Structure of 6,7-Dihydro-1,4-di(2'-pyridyl)-5H-Cyclopenta[d] Pyridazine |
| 1661-1665 | 9 | 2008 | <i>Catal. Commun.</i> | Asymmetric 1,4-disubstitution of 1,3-dienes: Palladium(II)-catalyzed formation of azido-ketones from 1,3-cyclohexadiene |
| 227-231 | 128 | 2008 | <i>J. Lumin.</i> | Luminescence properties of europium (III) crptates trapped in sol-gel glass |
| 255-264 | 2 | 2007 | <i>Jord. J. Chem.</i> | Synthesis, Characterization and NMR Studies of some 2,6-Diaminopyridine Complexes with Palladium(II), Rhodium(III) and Mercury(II) |
| 2661-2665 | 7 | 2007 | <i>J. Applied Sci.</i> | <i>Synthesis, characterization of 3,6-(2-pyridyl)-1,2,4,5-tetrazine complexes with gold(III)</i> |
| 69-78 | 2 | 2007 | <i>Jord. J. Chem.</i> | Bromination of ketones by palladium(II). An asymmetric α -bromoketones catalytically synthesized by a mono palladium(II) catalyst |

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| 1165-1171 | 60 | 2007 | <i>J. Coord. Chem.</i> | Complexes of Substituted Dipyritylpyridazines with Palladium(II) and Platinum(II) |
| 31-38 | 81 | 2007 | <i>Polish J. Chem.</i> | A Bimetallic Palladium(II) Catalyzed Synthesis of 1,2-Dibromo Compounds |
| 343-348 | 632 | 2006 | <i>Z. Anorg. Allg. Chem.</i> | Synthesis and Characterization of Palladium(II) Complexes with 2-(2'-Pyridyl)quinoline. Catalytic Air Oxidation of Olefins by Palladium(II) Complexes |
| 79-84 | 78 | 2005 | <i>Croat. Chem. Acta.</i> | Rhodium(III) Complexes with 2-(2'-Pyridyl)quinoline. Synthesis and Spectroscopic Characterization |
| 687-696 | 50 | 2003 | <i>Acta Chim Slov.</i> | Synthesis and Spectroscopic Characteristic of Mercury(II) Complexes with 2-(2'-Pyridyl)quinoline |
| 439 – 441 | 5(4) | 2003 | <i>Org. Lett.</i> | New Palladium(II)-Catalyzed Asymmetric 1,2-Dibromo Synthesis |
| 4229-4231 | 43 | 2002 | <i>Tetrahedron Lett.</i> | An Air Oxidizable Bimetallic Palladium(II) Catalyst for Asymmetric Allylic Oxidation of Olefins in Acetic Acid |
| 168-175 | 656 | 2002 | <i>J. Organomet. Chem.</i> | Oxidation of Olefins by Palladium(II). 18. Effect of Reaction Conditions, Substructure and Chiral Ligand on the Palladium(II) Catalyzed Asymmetric Chlorohydrin Synthesis |
| | | 2002 | <i>Conference Paper, 50th Annual ASMS Conference in Orlando, Florida, USA.</i> | Analysis of Palladium Complexes Containing Nitrogen Heterocyclic Ligands by Electrospray Ionization and Ion Trap Mass Spectrometry |
| 50-55 | 659 | 2002 | <i>J. Organomet. Chem.</i> | Oxidation of Ketone by Palladium(II). α -Hydroxy Ketone Synthesis Catalyzed by a Bimetallic Palladium(II) Complex |
| 101-132 | 17 | 2002 | <i>Mutah Lil-Buhuth wad-Dirasaat, Mu'tah University, Jordan</i> | Chemically Induced Mutagenesis in <i>Aspergillus nidulans</i> Using <i>cis</i> -[Pd(biq)Cl ₂] as Compared with NTG and Spontaneous Mutations |
| 517 – 522 | 26 | 2001 | <i>Transition Metal Chemistry</i> | Substituted Dipyritylpyridazine Rhodium(III) complexes |

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|---------|-----|-------------|-----------------------------------|---|
| 113-121 | 26 | 2001 | <i>Inter. J. Chem.</i> | Synthesis and Characterization of New Palladium(II) Complexes via Substitution Reaction of <i>cis</i> -[Pd(biq)Cl ₂] |
| 29-47 | 8 | 1999 | <i>Abhath Al-Yarmouk</i> | Preparation of New 2,2'-Bipyrimidine Complexes of Palladium(II) via Substitution Reactions. Part II. High Resolution ¹ H and ¹³ C NMR and Mass Spectral Studies |
| 39-44 | 16 | 1991 | <i>Transition Metal Chemistry</i> | Complexes of palladium, platinum and rhodium with 2,2'-biquinoline, 2-(2'-pyridyl)quinoline |
| 193-200 | 163 | 1989 | <i>Inorganica Chimica acta</i> | Complexes of 2-(2'-pyridyl)quinoline and 3,6-di(4'-pyridyl)-s-tetrazine |

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| ١. براءات الاختراع |
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