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Education:

PhD:2010-2014 NanoScienceandTechnology,DepartmentofPhysics, NationalTaiwan University, Taiwan. Topic:NanostructuresTransition Metal Oxides and DichalcogenidesforEnergy-related Applications.

MSc: 2004-2006 Department of Physics, Collegeof Science, Duhok University,Iraq\ Kurdistan region. Topic:Electrical andOptical Properties of Metal-Polymer-SemiconductorStructure.

BSc: 1998-2002 Department of Physics,Collegeof Science,Duhok University,Iraq\ Kurdistan region.

Employment:

2003 Assistanceresearcher,Department of Physics, Collegeof Science, Duhok University,Iraq.

2006-2009 Assistancelecturer,Department of Physics, college of Science, Duhok University, Iraq\Kurdistan region.

2010 -present Lecturer, Department of Physics,college of Science, DuhokUniversity,Iraq\ Kurdistan region.

Work Experience:

2006-2009 Teaching (Thermodynamics,General Physics,andInstrumental Physics)at Physics Dept., CollegeofEducation and Science,Duhok University,Iraq Kurdistan region.

2010-2014 Workedas aresearcher in thegreen technologylab, Research Centerof Applied Science, AcademiaSinica, Taipei, Taiwan.

2015-present Head of Physics Department,college of Science, DuhokUniversity,Iraq\ Kurdistan region.

Patent:

ChihWie Chu and **Mohammed Aziz Ibrahem**, "*Method of preparing low-dimensional materials*", US20150114456A1, Apr. 30, 2015.

Publications:

1. Syed Ali Abbas, **Mohammad Aziz Ibrahem,**Lung-Hao Hu, Chia-Nan Lin, Jason Fang, KarunakaraMoorthyBoopathi, Pen-Cheng Wang, Lain-Jong Li and Chih-Wei Chu, "Bifunctional separator as a polysulfide mediator for highly stable Li–S batteries", *J. Mater. Chem. A, 2016,4, 9661-9669.*
2. Jen-HsienHuang, **Mohammed Aziz Ibrahem**and Chih-Wei Chu,"Wet-milled Anatase TitaniumOxide NanoparticlesasaBufferLayer forAir-Stable Bulk Heterojunction Solar Cells "*Progress in Photovoltaics: Research and Applications*, *2015, 23,8, 1017–1024.*
3. **MohammedAzizIbrahem**,Wei-ChihHuang,Tian-weyLan,KarunakaraMoorthyBoopathi, Yu-Chen Hsiao, Chih-Han Chen, WidhyaBudiawan, Yang-Yuan Chen, Chia- Seng Chang,Lain-JongLi,Chih-HungTsai,andChihWei Chu, "Controlled Mechanical Cleavage of BulkNiobiumDiselenide toNanoscaledSheet,Rod,and Particles NanostructuresforPt-freeDye-sensitizedSolarCells",*Journal of Material Chemistry A, DOI: 10.1039/C4TA01881H.*
4. **MohammedAzizIbrahem**,Feng-YuWu,DesalegnAlemuMengistie,Lain-JongLi, Chia-SengChang,and Chih WeiChu, "DirectConversionofMultilayerMolybdenum Trioxide toNanorodsas Multifunctional Electrodes in Lithium-Ion Batteries" , *Nanoscale*, **DOI:** 10.1039/C4NR00692E.
5. DesalegnA.Mengistie,**MohammedA.Ibrahem**,Pen-ChengWang,andChih-WeiChu"Highly ConductivePEDOT:PSSTreatedwithFormicAcidforITO-FreePolymerSolar Cells", *ACS Appl. Mater. Interfaces*,2014, *6* (4), 2292–2299.
6. MahmoudE.Farahat,Hung-YuWei,**MohammedAzizIbrahem**,KarunakaraMoorthyBoopathi,Kung-HwaWeiandChih-WeiChu,"A dual-functionaladditive improvesthe performanceofmolecularbulkheterojunctionphotovoltaiccells",*RSCAdv.*,2014,4,9401-9411.
7. Jen-HsienHuang, **Mohammed Aziz Ibrahem**and Chih-Wei Chu,"Interfacial engineeringaffectsthephotocatalyticactivityofpoly(3-hexylthiophene)-modifiedTiO2 ", *RSC Adv.*, 2013,3, 26438-26442.
8. **MohammedAzizIbrahem**, Tian-weyLan,JingKaiHuang,Yang-YuanChen,Kung-Hwa Wei, Lain-Jong Li and ChihWei Chu, "High quantity and qualityfew-layers transitionmetaldisulfidenanosheetsfromwet-millingexfoliation", *RSCAdv.*,2013,3,13193-13202.
9. **MohammedAzizIbrahem**,Hung-YuWei,Meng-HungTsai,Kuo-ChuanHo,Jing-JongShyue,ChihWieChu,"Solution-processed zinc oxide nanoparticlesasinterlayer materials for inverted organic solar cells",*Solar Energy Materials and Solar Cells*, Volume 108, January2013, Pages 156-163.

DomesticJournals:

1- The electrical Propertiesof Al-PMMA and PC Thin Film-Si[100] Structure, Journal of the Duhok university.

2- InfluenceoftemperatureontheI-VCharacteristicsofAl-PMThinFilm-Si[100]Structure, Journal of theDuhok University.

3- C-V Characteristics ofMPS Structure, Journal of theDuhok University.

Awardsand Honors:

- Academic Excellent Student Award, 2003, Department of Physics, Collegeof Science, DuhokUniversity,Iraq Kurdistan region.
- TaiwanInternational Graduated Program awardfor theoutstanding PhD student researcher 2012-2013.

Skills andQualifications:

- MicrosoftOffice,Internet.
- ProgrammingabilityinC++.
- VerygoodinEnglishand Arabiclanguages.

References:

Excellentreferencesavailableuponrequest.