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عباس فاضل عيسى جاسم المعموري

Professor

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EDUCATION

(01-01-2001) دكتوراه

Materials Physics

Baghdad university

RESEARCH METRICS

h-index (Scopus)	6
h-index (GS)	6
Citations (Scopus)	76
Citations (GS)	110
Documents (Scopus)	23
Documents (GS)	37

PATENTS

- Iraqi technology for manufacturing chemically acid-resistant dyes extracted from soil contaminated with crude oil waste near oil refineries
- A new method for stabilizing the hydroxyapatite phase before and after he
- Manufacturing insulation panels from damaged and loose basalt rock wool

RESEARCH INTERESTS

- Nanotechnology in the context of artificial intelligence
- Materials equipment

ACADEMIC TITLES

2014-09-09 **Professor**

TEACHING EXPERIENCE

Professor

Wasit University

1991-12 - Present

COURSES

- Solid state physics
- Solid state physics
- Solid state physics
- Materials Physics

PUBLICATIONS (41)

1. **Studying the effect of irradiation time in preparing zinc oxide nanoparticles prepared by microwave method**
   Digest Journal of Nanomaterials and Biostructures | 2022
2. **Fires Accidents and its Implication on Mechanical and Structural Properties of Different Construction Materials**
   IOP Conference Series: Materials Science and Engineering 1058 (1), 012026, 2021 | 2021
3. **Optical and Structural properties of Prepared Polyaniline - Graphene (PANI/GN) Nano - composite**
   Iraqi Journal of Science 62 (1), 138-146, 2021 | 2021 | Cited: 16
4. **Preparation and study of the structural, physical and mechanical properties of hydroxyapatite nanocomposite**
   Materials Today: Proceedings | 2021
5. **طريقة جديدة في تثبيت طور الهايروكسي ابتايت قبل وبعد المعاملة الحرارية**
   2020
6. **Fire resistance of selected construction materials**
   AIP Conference Proceedings 2213, 020008-1 -020008-9, 2020 | 2020 | Cited: 10
7. **Preparation and characterization of hydroxyapatite powder and study of hydroxyapatite - alumina Composite**
   Journal of physics: Conference series 1591 (IOP ebooks), 1-9, 2020 | 2020 | Cited: 15
8. **D.C Electrical Conductivity of Polyaniline/ Graphene Nanocomposites Produced by in situ Polymerization**
   2nd International Conference in "Physical Science and Advanced Materials ..., 2020 | 2020
9. **Studying the crystal structure, Topography, and Anti-bacterial of a Novel Titania (TiO2NPs) Prepared by a Sol - gel Manner**
   Baghdad Science Journal 16 (4), 910 - 917, 2019 | 2019 | Cited: 9

10. **Effect of composition ratio and sintering process on mechanical properties and stresses in ha:Al<inf>2</inf>O<inf>3</inf>:SiO<inf>2</inf>ceramic systems**
JP Journal of Heat and Mass Transfer | 2019

11. **Studying the Crystal Structure, Topography, and Anti-bacterial of a Novel Titania (TiO<inf>2</inf> NPs) Prepared by a Sol-gel Manner**
Baghdad Science Journal | 2019

12. **Structural properties of HA:Al2O3:SiO2 glass ceramics systems for bio applications**
International Journal of Civil Engineering and Technology 10 (5), 590 - 603, 2019 | 2019

13. **Effect of composition ratio and sintering process on mechanical properties and stresses in HA:Al2O3:SiO2 ceramic systems**
JP Journal of Heat and Mass Transfer 17 (1), 227 - 242, 2019 | 2019

14. **Study and evaluation mechanical properties of IPN's TDI and polyols with unsaturated polyester resins**
Iraqi Journal of Polymers 23 (1), 37-49, 2019 | 2019

15. **Study the crystal Structure , Surface Morphology and Antimicrobial Activity of Titanium Dioxide Nano powders prepared via a Sol - Gel**
Indian Journal of Natural Sciences 8 (49), 14275, 2018 | 2018

16. **Preparation and study the physical properties of PbI2 by using thermal evaporation to use in nuclear detector**
2018

17. **The Investigation of Thermal Conductivity for Graphene Nanocomposite**
International Journal of Recent Research and Applied Studies 5 (12), 30, 2017 | 2017

18. **دراسة تحضير نماذج حراريات بوكسايت – زركونيا وتحسين خصائصها بإضافة اوكسيد النحاس Cu2O**
2016 ,14- 1 (2) ,كلية الكوت الجامعة 1 | 2016

19. **Gas sensitivity characterization of Cadmium oxide (CdO) Thin film deposited by spray pyrolysis technique for NO2 sensor**
"ATTI DELLA " FONDAZIONE GIORGIO RONCIH, 591 - 599, 2016 | 2016

20. **preparation light samples of bauxite zirconia composite using rice husk and enhancement the properties by Cu2O addition**
Journal of applied sciences research 12 (6), 1 - 10, 2016 | 2016

21. **(Physical and mechanical properties of polymer blends (Asphalt - Epoxy - Polystyrene**
Wasit Journal for Science and Medicine 8 (2), 157-166, 2015 | 2015

22. **Synthesis of Nano TiO2 Thin films by Sol-gel Dip-Coating Method**
The 5th International Conference for Nanotechnology and Advanced materials ..., 2015 | 2015

23. **تكنولوجيا عراقية لتصنيع صبغات مقاومة للحوامض الكيمياوية مستخلصة من التربة الملوثة بمخلفات النفط الخام القريبة من مصافي النفط**
2015

24. **Characterization Structural and morphological properties of ZnO:In thin films prepared by ultrasonic spray method**
ATTI DELLA 54 (5), 579 -589, 2015 | 2015

25. **Mechanical and physical properties of natural fiber cement board for building partitions**
Physical Sciences Research International 2 (3), 49-53, 2014 | 2014 | Cited: 48

26. **Effect of decomposition temperature on crystallite size and strain of CaO**
Physical Sciences Research International 2 ((4)), pp. 68-76, 2014 | 2014 | Cited: 5

27. **Preparation and study Impact and Hardness Strength for Gravel Nano Particles**
J.THi-Qar Sci 4 (4), 40, 2014 | 2014

28. **Tensile characterization of polymer composite reinforced with gravel particles (GP)**
Wasit Journal for Science & Medicine 7 ((1)), (151-161), 2014 | 2014

29. **Effect of Water on Some Mechanical Properties for Gravel Particles/Polyester Composites**
Al-Nahrain Journal of Science 17 (4), 115-127, 2014 | 2014

30. **Measurement Changes in Activation Energy, Hall Effect and Seebeck Effect of Lead Telluride Thin Films Prepared by Thermal Evaporation Technique with Different Annealing ...**
Journal of Materials Science and Engineering. B 1 (6B), 811, 2011 | 2011 | Cited: 7

31. **The Adhesion of HDPE and LDPE to copper and the use peel test to study the strength of adhesion bonding**
Al-Qadisiya Journal for science 15 (2), 99 -105, 2010 | 2010

32. **دراسة خواص التةصلية الكهربائية لأغشية ثاني اوكسيد القصدير المطعمة بالانديةم والمستخدمة كعناصر تحسس للغازات**
2009 ,7- 1 (2) ,مجلة واسط للعلوم والطب 2 | 2009

33. **حساب واحتراق نظير السيزيوم Cs - 137 للوقود النووي ثاني اوكسيد اليورانيوم باستخدام برنامج ORIGEN**
2009 ,11-1 (1) ,مجلة واسط للعلوم والطب 2 | 2009

34. **دراسة سلوك نسبة عرض الانشطار الى العرض الكلي للمواد الانشطارية عند طاقة النيوترونات الاحادية (2.4MeV)**
2008 ,(4) 5 مجلة ام سلمى للعلوم | 2008

35. **دراسة امتصاصية مادة فيرايت الكوبلت للاشعة الرادارية[**
2007 | مجلة جامعة بابل 14 (4), 215 -218, 2007

36. **مراحل الاكمال وتاثيرها على الخصائص الفيزياوية والميكانيكية للاقمشة القطنية**
2007 | المجلة العراقية للعلوم 48 (1), 80 -84, 2007

37. **Effect of the topography of copper and aluminum on the peel force of polymer**
2004 | مجلة التقني 17 (3), 28 -37, 2004

38. **The influence of humidity on the peel strength of PE and PP to both copper and aluminum adhesion**
2004 | مجلة التقني 17 (3), 38 -46, 2004

39. **The Recovery cycle of peeled PE and PP Aluminum system**
2003 | Iraqi Journal of Physics 2 (1), 74 - 77, 2003

40. **Peel Strength and Topography of Polymer - Metal Adhesion Systems**
2000 | كلية العلوم - جامعة بغداد, 2000

41. **الطبيعي UO2 حساب وقياس نواتج الانشطاروتوزيعها في الوقود النووي السيراميكي**
1990 | قسم العلوم التطبيقية - الجامعة التكنولوجية, 1990