



Zoufokkar Kareem Mezaal Alobad Alibraheem

ذوالفقار كريم مزعل عبید الابرهيي

Professor

ACADEMIC TITLES

2019-05-26 Professor

ADMINISTRATIVE POSITIONS

2020-01-19 - 2023-10-08	Head of the Polymer and Petrochemical Industries Department
2019-02-17 - 2021-02-25	Director of the Engineering Consulting Office
2021-02-25 - 2023-05-08	Head of the Engineering Consulting Office
2007-10-21 - 2009-05-20	Department of Non-Metallic Materials Engineering
2012-02-09 - 2013-03-20	Head of Materials Engineering Unit/College

PUBLICATIONS (4 0)

- Sizes effect of the graphene nanoplatelets on the thermal, and tensile properties of the segmented thermoplastics polyurethane nanocomposites**
Composite Interfaces 33 (3), 461-480, 2026 | 2026 | Cited: 1
- Tailoring Epoxy Nanocoatings for Enhanced Light Reflectance and Mechanical Properties Using Metal Oxide Nanoparticles.**
Journal of Composite & Advanced Materials/Revue des Composites et des..., 2026 | 2026
- Sio2/Imidazole as additives in epoxy nanocomposite coatings for corrosion protection of carbon steel**
AIP Conference Proceedings 3408 (1), 070008, 2026 | 2026 | Cited: 1
- Influence of Various Nanoparticles on Mechanical Properties and Thermal Conductivity of Epoxy Coating: An Experimental Investigation**
Annales de Chimie. Science des Matériaux 49 (4), 425, 2025 | 2025 | Cited: 1
- Preparation and Characterization of a Low-Cost and Environmentally Friendly Epoxy Coating for Concrete Structures Protection.**
Annales de Chimie Science des Matériaux 49 (5), 2025 | 2025
- Using an Experimental Approach to Study the Effect of Different Nanomaterials on Thermal, Mechanical, and Optical Properties of Epoxy Coating**
Revue des Composites et des Matériaux Avances 35 (6), 1115, 2025 | 2025
- Disulfide bonds modified epoxy resins: mechanical, adhesion and wear properties**
Zastita Materijala 66 (3), 532-544, 2025 | 2025 | Cited: 2
- Influence of PVDF additive on the mechanical, morphological properties of TPU for industrial applications**
AIP Conference Proceedings 3229 (1), 070005, 2024 | 2024
- Studying the Tribological and Mechanical Properties of the PMMA Nano Composite Coating.**
Jordan Journal of Mechanical & Industrial Engineering 18 (2), 2024 | 2024 | Cited: 12
- The effect of tungsten carbide nanoparticles on the morphological, mechanical and tribological properties of WC/epoxy and WC/TBCP/epoxy nanocomposite**
Journal of Achievements in Materials and Manufacturing Engineering 124 (1), 5-16, 2024 | 2024 | Cited: 12

CONTACT

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EDUCATION

دكتوراه (15-03-2018)
Polymers and Composites
University of Manchester

RESEARCH METRICS

h-index (Scopus)	0
h-index (GS)	11
Citations (Scopus)	0
Citations (GS)	305
Documents (Scopus)	0
Documents (GS)	40



11. **EFFECT OF MODIFICATION WITH POLYETHER POLYOL AND LIQUID SILICON RUBBER ON THE MECHANICAL PROPERTIES OF EPOXY SYSTEM**
KUFA JOURNAL OF ENGINEERING Учредители: University of Kufa 15 (3), 170-185, 2024 | 2024 | Cited: 3
12. **Enhancing the mechanical properties and sustainability of polymer-modified cementitious tile adhesives using recycled materials**
Instrumentation, Measure, Metrologie 23 (6), 451, 2024 | 2024 | Cited: 2
13. **Effect of adding polypropylene fibers on the mechanical properties of novel cementitious tile adhesives**
AIP Conference Proceedings 3229 (1), 070004, 2024 | 2024
14. **Tribological behavior of epoxy/nano-clay nanocomposites used as a floor coating**
Journal of Adhesion Science and Technology 38 (23), 4299-4315, 2024 | 2024 | Cited: 10
15. **Producing low cost adhesives for concrete applications**
4th International Scientific Conference of Engineering Sciences and Advances..., 2023 | 2023 | Cited: 1
16. **Effect of magnesium oxide, boron nitride, and hybrid nanoparticles on the mechanical properties of epoxy nanocomposites**
4th International Scientific Conference of Engineering Sciences and Advances..., 2023 | 2023 | Cited: 7
17. **Investigates the effect of MgO, h-BN, and hybrid nano fillers on the thermal, electrical properties and hardness of an epoxy polymer**
4TH INTERNATIONAL SCIENTIFIC CONFERENCE OF ENGINEERING SCIENCES AND ADVANCES..., 2023 | 2023 | Cited: 5
18. **Effect of dispersion methods on the performance of novel rigid copolymer polyurethane nanocomposites based on graphene nanofillers**
Polymer-Plastics Technology and Materials 61 (4), 426-440, 2022 | 2022 | Cited: 9
19. **The effect of OMMT reinforcement and annealing treatment on mechanical and thermal properties of Polyurethane Copolymer nanocomposites**
Journal of Elastomers & Plastics 54 (3), 477-493, 2022 | 2022 | Cited: 8
20. **Study on the effect of tailoring the hard copolymer polyurethane on the thermal, mechanical and electrical properties of hard copolymer polyurethane/multi-walled carbon**...
Journal of Composite Materials 56 (10), 1467-1480, 2022 | 2022 | Cited: 5
21. **Thermal, mechanical, and morphological characterisations of graphene nanoplatelet/graphene oxide/high-hard-segment polyurethane nanocomposite: a comparative study**
Polymers 14 (19), 4224, 2022 | 2022 | Cited: 36
22. **TPU nanocomposites tailored by graphene nanoplatelets: The investigation of dispersion approaches and annealing treatment on thermal and mechanical properties**
Polymer Bulletin 79 (10), 8269-8307, 2022 | 2022 | Cited: 25
23. **Investigation of the Epoxy Concentrations Effect on the Mechanical Properties of Polyurethane Foams**
Iraqi Journal of Industrial Research 9 (2), 50-58, 2022 | 2022
24. **Synthesis and characterization of hard copolymer polyurethane/functionalized graphene nanocomposites: Investigation of morphology, thermal stability, and rheological properties**
Journal of Applied Polymer Science 139 (45), e53118, 2022 | 2022 | Cited: 11
25. **Effect of OMMT reinforcement on morphology and rheology properties of polyurethane copolymer nanocomposites**
Journal of Elastomers & Plastics 53 (8), 992-1014, 2021 | 2021 | Cited: 25
26. **Investigation of the polyol types and isocyanate concentrations on the rheological, morphological and mechanical properties of polyurethane foams**
IOP Conference Series: Materials Science and Engineering 1094 (1), 012157, 2021 | 2021 | Cited: 14
27. **Influence of hard segments content on thermal, morphological and mechanical properties of homo and co-polyurethanes: A comparative study**
Archives of Materials Science and Engineering 109 (1), 2021 | 2021 | Cited: 23
28. **Effect of (ZnO) Nanoparticles on The Mechanical, Antibacterial and Morphological Properties of Epoxy Resin**
Advances in Mechanics 9 (3), 41-48, 2021 | 2021 | Cited: 1

29. **Enhanced mechanical, crystallisation and thermal properties of graphene flake-filled polyurethane nanocomposites: the impact of thermal treatment on the resulting microphase ...**
Journal of Polymer Research 28 (8), 1-16, 2021 | 2021 | Cited: 23
30. **A REVIEW ON SILICONE RUBBER/ MONTMORILLONITE NANOCOMPOSITES**
The Iraqi Journal For Mechanical And Material Engineering 20 (3), 268-281, 2020 | 2020 | Cited: 9
31. **TESTING AND ANALYSING THE GRINDING UNIFORMITY OF POLYMER PRODUCTS**
Journal of Mechanical Engineering Research & Developments 42 (3), 87-90, 2019 | 2019 | Cited: 2
32. **The Effecting of Physical Properties of Inorganic Fillers on Swelling Rate of Rubber Compound: A review Study**
Journal of University of Babylon for Engineering Sciences 27 (1), 94-104, 2019 | 2019 | Cited: 21
33. **Effect of Zinc Oxide Loading Levels on The Cure Characteristics, Mechanical and Aging Properties of The EPDM Rubber**
International Journal of Mechanical Engineering and Technology 10 (1), 133-141, 2019 | 2019 | Cited: 23
34. **EFFECT OF ADDITIVES ON THE T_g, T_p AND GELATION DEGREE OF THE PVC PRODUCTS**
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING & TECHNOLOGY 9 (7), 2036-2043, 2018 | 2018 | Cited: 4
35. **Designing PU resins for fibre composite applications**
PQDT-Global, 2018 | 2018 | Cited: 6
36. **Effect of surface treatment on the adhesion forces between PVC adhesives and PVC (pipe-fitting)**
Eng. Technol. J. 30, 2987-2998, 2012 | 2012 | Cited: 3
37. **mechanical properties of polyester as hybrid composites**
The Iraqi Journal For Mechanical And Material Engineering 10 (3), 442-450, 2010 | 2010
38. **Chemical Resistance of Same Commercial Polymers**
University of Babylon Journal 17 (1), 11, 2009 | 2009
39. **Mechanical Properties Study of Jute Fiber Reinforced Polyester**
University of Babylon Journal 17 (4), 9, 2009 | 2009
40. **Preparation and Properties of Epoxy Adhesives Blends**
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