

Omar S Dahham

List of Publications by Year in descending order

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111
papers

666
citations

706676

14
h-index

759306

22
g-index

111
all docs

111
docs citations

111
times ranked

337
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Insight on the structural aspect of ENR-50/TiO ₂ hybrid in KOH/C ₃ H ₈ O medium revealed by NMR spectroscopy. Arabian Journal of Chemistry, 2020, 13, 2400-2413. | 2.3 | 36 |
| 2 | The effects of different bamboo filler loading on HDPE/BF composites and rHDPE/BF composites: Flexural and morphology. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 3 | The challenges in conservation practices in Malaysia: A study in UNESCO heritage site, Georgetown, Penang, Malaysia. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 4 | UV-visible performance of urea beads coated with banana peels bioplastic and epoxidized natural rubber. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 5 | Preparation coated of urea beads from banana peel bioplastic and epoxidized natural rubber 50. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 6 | The influences of soil burial assessment on linear low-density polyethylene/Cyperus odoratus biocomposite. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 7 | The effects of electron beam irradiation on LLDPE/CY biocomposites: Tensile and morphology properties. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 8 | Studies on characteristic of glycerol-kenaf pellet via fluidization drying process toward energy produced. AIP Conference Proceedings, 2020, , . | 0.3 | 4 |
| 9 | Robust interface on ENR-50/TiO ₂ nanohybrid material based sol-gel technique: Insights into synthesis, characterization and applications in optical. Arabian Journal of Chemistry, 2020, 13, 6568-6579. | 2.3 | 18 |
| 10 | The sustainability of recycled concrete as green material solution. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 11 | Effects of sodium hydroxide treatment on date seeds reinforced LLDPE composites: FTIR and gel content analyses. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 12 | Identification of timber material defect using VIA on selected traditional Malay house: Case study on Tuan Hj Hashim Itam (Kerani) historical house at Penang, Malaysia. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 13 | Mechanical and physical properties of non-woven kenaf fibre mat reinforced polypropylene composites prepared by compression molding. , 2020, , . | | 0 |
| 14 | Characterization and coagulation performance of poly ferric silicate sulfate from rice husk ash. AIP Conference Proceedings, 2020, , . | 0.3 | 2 |
| 15 | Impact strength of LDPE/RH composites for industrial injection moulded parts. AIP Conference Proceedings, 2020, , . | 0.3 | 2 |
| 16 | Bioprotein optimization from spent mushroom substrate for fish feed application. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 17 | Surface modification of bamboo filler by acid treatment on flexural and morphology rHDPE/BF composites. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 18 | Flexural and morphology properties of rHDPE/BF composites: Effect of surface modification of bamboo filler by NaOH treatment. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |

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|----|---|-----|-----------|
| 19 | Current method on spalling repair work in ages building. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 20 | The effects on different date seeds loading and size of LLDPE/Date seeds composites: Flexural properties and impact strength. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 21 | FTIR and gel content analyses of LLDPE/Date seeds composites. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 22 | Dielectric properties of Nephelium Lappaceum tropical wood. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 23 | Mechanical properties of rice husk (<i>Oryza sativa</i>) reinforced low density polyethylene composites for industrial injection moulded parts. , 2020, , . | | 0 |
| 24 | The effects of ionic liquid (ILs) as additive on recycled high-density polyethylene reinforced bamboo filler composites. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 25 | Copper alloy reinforced by graphene by powder metallurgy technique. AIP Conference Proceedings, 2020, , . | 0.3 | 4 |
| 26 | The effectiveness of highway information modeling in Kuala Perlis - Changlun Roadway. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 27 | The influence of trans-polyoctylene rubber on the linear low-density polyethylene/acrylonitrile butadiene rubber/kenaf composites. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 28 | The study of monosodium glutamate application as a cross linker in tissue scaffold application. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 29 | Determination of moisture content on kenaf via fluidization systems. AIP Conference Proceedings, 2020, , . | 0.3 | 2 |
| 30 | Tensile and Morphology Properties of PLA/MMT-TiO ₂ Bionanocomposites. Defect and Diffusion Forum, 2020, 398, 131-135. | 0.4 | 1 |
| 31 | PLA/MMT-TiO ₂ Bionanocomposites: Chemical Structure and Surface Wettability. Defect and Diffusion Forum, 2020, 398, 136-139. | 0.4 | 1 |
| 32 | Flexural properties of rice husk (<i>Oryza sativa</i>) reinforced low density polyethylene composites for industrial injection moulded parts. AIP Conference Proceedings, 2020, , . | 0.3 | 2 |
| 33 | Flexural and impact properties of rHDPE/BF composites in presence of ionic liquid (ILs). AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 34 | The influence of alkali treatment on date seeds powder reinforced LLDPE composites: Flexural properties and impact strength. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 35 | Application of coal bottom ash as raw material for concrete brick in housing construction. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 36 | Effect of chemical treatment on mechanical and physical properties of non-woven kenaf fiber mat reinforced polypropylene biocomposites. , 2020, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The effect of titanium dioxide to enhance physical properties of coconut shell reinforced unsaturated polyester composites. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 38 | Physical properties of plasticized PLA/HNTs bionanocomposites: effects of plasticizer type and content. IOP Conference Series: Materials Science and Engineering, 2019, 557, 012067. | 0.3 | 7 |
| 39 | Zinc Oxide Nano Particles Integrated Kenaf/Unsaturated Polyester BioComposite. Journal of Renewable Materials, 2019, 7, 967-982. | 1.1 | 40 |
| 40 | Synthesis and structural studies of an epoxidized natural rubber/titania (ENR-50/TiO ₂) hybrid under mild acid conditions. Polymer Testing, 2018, 65, 10-20. | 2.3 | 47 |
| 41 | Effects of Sodium Hydroxide Treatment on LLDPE/DS Composites: Tensile Properties and Morphology. Journal of Physics: Conference Series, 2018, 1019, 012061. | 0.3 | 2 |
| 42 | Effect of alkaline treatment on mechanical properties of HDPE/PKS composites. AIP Conference Proceedings, 2018, , . | 0.3 | 17 |
| 43 | Cure Characteristics and Physical Properties of SMR L/EPDM Blends: Effects of Blend Ratios. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012188. | 0.3 | 1 |
| 44 | Effect of Kenaf Fibre Layers on Mechanical and Thermal Properties of Kenaf/Unsaturated Polyester Composites. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012091. | 0.3 | 1 |
| 45 | Common Defect of Colonial Buildings in Malaysia. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012186. | 0.3 | 2 |
| 46 | Tensile and Physical Properties of Unsaturated Polyester/Potash Feldspar Composites: The Effect of Potash Feldspar Loading. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012192. | 0.3 | 3 |
| 47 | An Introduction to Thermal Bridge Assessment and Mould Risk at Dampness Surface for Heritage Building. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012185. | 0.3 | 7 |
| 48 | Design, Fabrication and Characterization of silicon Nanostructures for Lead (Pb ⁺) ion detection. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012181. | 0.3 | 2 |
| 49 | Recycled Natural Rubber Latex Gloves Filled CR Rubber: The Effects of Filler Size and loading. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012189. | 0.3 | 0 |
| 50 | The Influences of Chicken Feather Loading on Tensile and Physical Properties of R-Hdpe/Eva/Cff Composites. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012190. | 0.3 | 1 |
| 51 | The Effects Of Phthalic Anhydride On R-Hdpe / Eva / Cff Composites: Tensile And Physical Properties. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012191. | 0.3 | 2 |
| 52 | Effects of Date Seeds Size and Loading on Properties of Linear Low-Density Polyethylene/Date Seeds Powder Composites. Journal of Physics: Conference Series, 2018, 1019, 012060. | 0.3 | 2 |
| 53 | Mechanical and physical properties of HDPE/PKS composites: Effects of filler content and size of PKS fillers. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 54 | Functionalization of Si Nanowire Surfaces to Create Interactive Mechanism for Heavy Metals Detection Application. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012180. | 0.3 | 1 |

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|----|--|-----|-----------|
| 55 | Sawdust Flour Reinforced Epoxidized Natural Rubber: Effect Of Trans-Polyoctylene Rubber on Curing Characteristics and Tensile Properties. Journal of Physics: Conference Series, 2018, 1019, 012090. | 0.3 | 0 |
| 56 | Modelling Simulation of Organic and Inorganic Interaction Based on First Principle Calculation. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012090. | 0.3 | 0 |
| 57 | The Effect of Cyperus Odoratus Size and Loading on the Properties of Polypropylene/Cyperus Odoratus (PP/CY) Composites. Journal of Physics: Conference Series, 2018, 1019, 012056. | 0.3 | 1 |
| 58 | The Influences NaOH Treatment on Polypropylene/Cyperus Odoratus (PP/CY) Composites: Tensile and Morphology. Journal of Physics: Conference Series, 2018, 1019, 012057. | 0.3 | 27 |
| 59 | Arsenic ion Detection via Electron Chemical Reaction Mechanism Based on Interdigitated Electrode (IDE). IOP Conference Series: Materials Science and Engineering, 2018, 454, 012183. | 0.3 | 0 |
| 60 | The Effects of Wood Sawdust Loading on Tensile and Physical Properties of Up/Pf/Wsd Composites. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012193. | 0.3 | 5 |
| 61 | Preparation, characterization and application of alumina nanoparticles with multiple active component for oxidation desulfurization. AIP Conference Proceedings, 2018, , . | 0.3 | 3 |
| 62 | Thermal properties of PLA/HNTs composites: Effect of different halloysite nanotube. AIP Conference Proceedings, 2018, , . | 0.3 | 8 |
| 63 | The Influences of Zirconium Dioxide on ENR-25/ZrO ₂ Composites: FTIR and TGA Analysis. Journal of Physics: Conference Series, 2018, 1019, 012055. | 0.3 | 5 |
| 64 | Chemical and Hydrophobic Properties of PLA/HNTs-ZrO ₂ Bionanocomposites. Journal of Physics: Conference Series, 2018, 1019, 012065. | 0.3 | 21 |
| 65 | The Effects of Tensile Properties of PLA/HNTs-ZrO ₂ Bionanocomposites. Journal of Physics: Conference Series, 2018, 1019, 012066. | 0.3 | 9 |
| 66 | Use of Struktol as a compatibilizer for SMR L/EPDM blends: Cure characteristics and physical properties. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 67 | Modification of halloysite filler with phosphonium based deep eutectic solvents for PLA/HNTs composites. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 68 | Studies of ENR-25/TiO ₂ Composites for Electronic Materials Packaging Applications. Journal of Physics: Conference Series, 2018, 1019, 012054. | 0.3 | 2 |
| 69 | Mercaptopropyltriethoxysilane (MPTES) Concentration Effect on Selectivity and Electrical Response of Nanostructure. IOP Conference Series: Materials Science and Engineering, 2018, 454, 012184. | 0.3 | 0 |
| 70 | Effect of micro-silica fume and fly ash as a partial replacement of cement on fresh and early strength properties of concrete. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 71 | The effects of different content and size of date seeds filler on thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 72 | Study of fillers treatment using NaOH on the thermal properties of LLDPE/date seeds (DS) composites. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |

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|----|--|-----|-----------|
| 73 | A slow release fertilizer from urea and rice straw coated by ENR-50 for agricultural application. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 74 | Characterization of quicklime as raw material to hydrated lime: Effect of temperature on its characteristics. AIP Conference Proceedings, 2018, , . | 0.3 | 9 |
| 75 | Study of gas holdup for bubble column at three phases. AIP Conference Proceedings, 2018, , . | 0.3 | 0 |
| 76 | The Effect of Epoxidized Natural Rubber as A Compatibilizer on the Properties of Standard Malaysian Rubber/Ethylene Propylene Diene Monomer Blends. Journal of Physics: Conference Series, 2018, 1019, 012068. | 0.3 | 0 |
| 77 | Recycled Natural Rubber Latex Gloves Filled Chloroprene Rubber: Effects of Compatibilizers. Journal of Physics: Conference Series, 2018, 1019, 012067. | 0.3 | 3 |
| 78 | The Effects of SMR L Content on the Properties of ENR-25 / RSC Compounds. Journal of Physics: Conference Series, 2018, 1019, 012058. | 0.3 | 0 |
| 79 | The Effects of Different Rice Husk Loading and Size on The Properties of Standard Malaysian Rubber / Rice Husk Composites. Journal of Physics: Conference Series, 2018, 1019, 012091. | 0.3 | 2 |
| 80 | New Slow Release Fertilizer from ENR-50/RH/Urea Composites: Effect of Sodium Chloride Concentration. Journal of Physics: Conference Series, 2018, 1019, 012062. | 0.3 | 0 |
| 81 | Slow Release Material from Epoxidized Natural Rubber and Rice Husk Composites for Agriculture Applications. Journal of Physics: Conference Series, 2018, 1019, 012063. | 0.3 | 24 |
| 82 | Fabrication and characterization of zinc oxide nanoparticle-treated kenaf polymer composites for weather resistance based on a solar UV radiation. BioResources, 2018, 13, 6480-6496. | 0.5 | 21 |
| 83 | NMR study of ring opening reaction of epoxidized natural rubber in presence of potassium hydroxide/isopropanol solution. Polymer Testing, 2017, 59, 55-66. | 2.3 | 44 |
| 84 | Lab-on-chip components for molecular detection. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 85 | Drug carrier in cancer therapy: A simulation study based on magnetic carrier substances. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 86 | Calculation of the band structure parameter in silicon nanowires using first principle analytical method. AIP Conference Proceedings, 2017, , . | 0.3 | 5 |
| 87 | Fabrication of microfluidic integrated biosensor. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 88 | Lattices parameter dependent on effective atomic interactive coefficient in nanostructure. AIP Conference Proceedings, 2017, , . | 0.3 | 2 |
| 89 | Influence of weathering effect in natural environment on thermal properties hybrid kenaf blast/glass fibre and unsaturated polyester composite. Journal of Physics: Conference Series, 2017, 908, 012004. | 0.3 | 2 |
| 90 | Curing characteristics tensile and physical properties of rice straw filled standard Malaysian rubber. Journal of Physics: Conference Series, 2017, 908, 012071. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Synthesis of zinc oxide thin films prepared by sol-gel for specific bioactivity. AIP Conference Proceedings, 2017, , . | 0.3 | 2 |
| 92 | The weathering effect in natural environment on kenaf blast and unsaturated polyester composite. Journal of Physics: Conference Series, 2017, 908, 012003. | 0.3 | 1 |
| 93 | The Weathering Effect in Natural Environment on KenafBast Filled Unsaturated Polyester Composite and Integration of Nano Zinc particle for Water Repellent. Micro and Nanosystems, 2017, 9, . | 0.3 | 34 |
| 94 | The Effects of Trans- Polyoctylene Rubber (TOR) as a Compatibilizer on The Properties of Epoxidized Natural Rubber/Recycled Silicone Catheter (ENR-25/rSC) Vulcanizate. MATEC Web of Conferences, 2016, 78, 01076. | 0.1 | 16 |
| 95 | The influence of Rice Husk Fiber on The Properties of Epoxidized Natural Rubber/Rice Husk Compounds. MATEC Web of Conferences, 2016, 78, 01075. | 0.1 | 21 |
| 96 | Thermal properties of ethyl vinyl acetate (EVA)/montmorillonite (MMT) nanocomposites for biomedical applications. MATEC Web of Conferences, 2016, 78, 01074. | 0.1 | 28 |
| 97 | Characterization and properties of low-linear-density polyethylene/Typha latifoliacomposites. International Journal of Polymer Analysis and Characterization, 2016, 21, 590-598. | 0.9 | 32 |
| 98 | A structural study of epoxidized natural rubber (ENRâ€50) ring opening under mild acidic condition. Journal of Applied Polymer Science, 2016, 133, . | 1.3 | 50 |
| 99 | The Effects of Trans-Polyoctylene Rubber (TOR) on the Properties of Acrylonitrile Butadiene Rubber/Recycled Natural Latex Gloves (NBR/NRL-G) Compounds. Applied Mechanics and Materials, 2015, 815, 59-63. | 0.2 | 1 |
| 100 | Cure Characteristics, Tensile and Physical Properties of Recycled Natural Rubber Latex Glove (NRL-G) Filled Acrylonitrile Butadiene Rubber. Applied Mechanics and Materials, 2015, 754-755, 693-697. | 0.2 | 4 |
| 101 | <i>In Vitro<i> Mechanical Properties of Metallocene Linear Low Density Polyethylene (mLLDPE) Nanocomposites Incorporating Montmorillonite (MMT). Applied Mechanics and Materials, 0, 754-755, 24-28. | 0.2 | 7 |
| 102 | Studies on Tensile Properties of Compatibilized and Uncompatibilized Low-Density Polyethylene/Jackfruit Seed Flour (LDPE/JFSF) Blends at Different JFSF Content. Solid State Phenomena, 0, 264, 120-123. | 0.3 | 29 |
| 103 | Synthesis, Characterization, and Study of Antibacterial Activity of Some New Formazan Dyes Derivatives, Derived from 2-Mercapto Benzoxazole. IOP Conference Series: Materials Science and Engineering, 0, 454, 012015. | 0.3 | 2 |
| 104 | Green Curb - An Alternative Method to Produce Road Curb Using Old Tire. IOP Conference Series: Materials Science and Engineering, 0, 454, 012187. | 0.3 | 2 |
| 105 | Amino-propyltriethoxysilane Modified Heavy Metal Sensor Based on Silicon Nanowire Arrays. IOP Conference Series: Materials Science and Engineering, 0, 454, 012080. | 0.3 | 2 |
| 106 | PID Temperature Control of Demineralized Water Tank. IOP Conference Series: Materials Science and Engineering, 0, 454, 012031. | 0.3 | 9 |
| 107 | Effect of kenaf fibre Mat layers and Zinc Oxide Nanoparticle Concentration on the Mechanical and Thermal Properties of ZnONPs/kenaf/polyester Composites. IOP Conference Series: Materials Science and Engineering, 0, 454, 012079. | 0.3 | 2 |
| 108 | Modification of Polylactic Acid/ Halloysite Bionanocomposites Using Electron Beam Radiation: Physical, Barrier and Thermal Properties. Materials Science Forum, 0, 1002, 57-65. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Tailoring Poly(lactic Acid) Properties for Packaging Applications: Effects of Co-addition of Halloysite Nanotubes and Selected Plasticizers. <i>Materials Science Forum</i> , 0, 1002, 47-56. | 0.3 | 0 |
| 110 | Poly(lactic Acid)/Halloysite Nanotubes-Titanium Dioxide Nanocomposites: Antibacterial and Mechanical Properties. <i>Materials Science Forum</i> , 0, 1021, 270-279. | 0.3 | 2 |
| 111 | Physical and Barrier Properties of Poly(lactic Acid)/Halloysite Nanotubes-Titanium Dioxide Nanocomposites. <i>Materials Science Forum</i> , 0, 1021, 280-289. | 0.3 | 4 |