

Zina Vuluga

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

735
citations

566801

15
h-index

525886

27
g-index

38
all docs

38
docs citations

38
times ranked

1106
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Novel nanocomposite membranes from cellulose acetate and clay-silica nanowires. <i>Polymers for Advanced Technologies</i> , 2016, 27, 1586-1595. | 1.6 | 70 |
| 2 | Influence of hemp fibers with modified surface on polypropylene composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 137-146. | 2.9 | 67 |
| 3 | The effect of cellulose nanofibers on the crystallinity and nanostructure of poly(lactic acid) composites. <i>Journal of Materials Science</i> , 2016, 51, 9771-9791. | 1.7 | 64 |
| 4 | San copolymer membranes with ion exchangers for Cu(II) removal from synthetic wastewater by electro dialysis. <i>Journal of Environmental Sciences</i> , 2015, 35, 27-37. | 3.2 | 61 |
| 5 | Influence of compatibilizing system on morphology, thermal and mechanical properties of high flow polypropylene reinforced with short hemp fibers. <i>Composites Part B: Engineering</i> , 2015, 69, 286-295. | 5.9 | 59 |
| 6 | High flow polypropylene/SEBS composites reinforced with differently treated hemp fibers for injection molded parts. <i>Composites Part B: Engineering</i> , 2019, 174, 107062. | 5.9 | 42 |
| 7 | New Collagen-Dextran-Zinc Oxide Composites for Wound Dressing. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7. | 1.5 | 40 |
| 8 | Development of thermoplastic composites based on recycled polypropylene and waste printed circuit boards. <i>Waste Management</i> , 2020, 118, 391-401. | 3.7 | 39 |
| 9 | Effect of SEBS on morphology, thermal, and mechanical properties of PP/organoclay nanocomposites. <i>Polymer Bulletin</i> , 2012, 69, 1073-1091. | 1.7 | 35 |
| 10 | Morphological investigation of PP/nanosilica composites containing SEBS. <i>Polymer Testing</i> , 2012, 31, 355-365. | 2.3 | 35 |
| 11 | The effect of poly[styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene] on dielectric, thermal, and morphological characteristics of polypropylene/silica nanocomposites. <i>Polymer Engineering and Science</i> , 2013, 53, 2081-2092. | 1.5 | 26 |
| 12 | Halogen-free flame retardants for application in thermoplastics based on condensation polymers. <i>SN Applied Sciences</i> , 2019, 1, 1. | 1.5 | 23 |
| 13 | Polypropylene/organoclay/SEBS nanocomposites with toughness and stiffness properties. <i>RSC Advances</i> , 2014, 4, 6573. | 1.7 | 22 |
| 14 | Morphological and Tribological Properties of PMMA/Halloysite Nanocomposites. <i>Polymers</i> , 2018, 10, 816. | 2.0 | 20 |
| 15 | Morphology and thermal stability of bacterial cellulose/collagen composites. <i>Open Chemistry</i> , 2014, 12, 968-975. | 1.0 | 19 |
| 16 | Fungal Based Biopolymer Composites for Construction Materials. <i>Materials</i> , 2021, 14, 2906. | 1.3 | 17 |
| 17 | Morphology study of layered silicate/chitosan nanohybrids. <i>Surface and Interface Analysis</i> , 2012, 44, 200-207. | 0.8 | 14 |
| 18 | Foams with Enhanced Ductility and Impact Behavior Based on Polypropylene Composites. <i>Polymers</i> , 2020, 12, 943. | 2.0 | 12 |

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|----|--|-----|-----------|
| 19 | Bio-Based Polyamide 1010 with a Halogen-Free Flame Retardant Based on Melamine-Gallic Acid Complex. <i>Polymers</i> , 2020, 12, 1482. | 2.0 | 11 |
| 20 | Investigation of Mechanical Properties of PP/Clay Nanocomposites Based on Network Cross-Linked Compatibilizers. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3773-3778. | 1.8 | 10 |
| 21 | SAXS investigation of structure-property relationship of polypropylene/montmorillonite composites during load cycling. <i>Polymers for Advanced Technologies</i> , 2013, 24, 693-704. | 1.6 | 8 |
| 22 | The effect of polystyrene blocks content and of type of elastomer blocks on the properties of block copolymer/layered silicate nanocomposites. <i>Journal of Alloys and Compounds</i> , 2014, 616, 569-576. | 2.8 | 7 |
| 23 | Studying nanostructure gradients in injection-molded polypropylene/montmorillonite composites by microbeam small-angle x-ray scattering. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 015004. | 2.8 | 6 |
| 24 | Influence of two compatibilizers on clay/PP nanocomposites properties. <i>Polymer Engineering and Science</i> , 2013, 53, 403-409. | 1.5 | 5 |
| 25 | A Concrete and Viable Example of Multimaterial Body: The Evolution Project Main Outcomes. <i>Procedia CIRP</i> , 2017, 66, 300-305. | 1.0 | 5 |
| 26 | Comparative Study on the Behavior of Virgin and Recycled Polyolefins-Cellulose Composites in Natural Environmental Conditions. <i>Journal of Composites Science</i> , 2019, 3, 60. | 1.4 | 5 |
| 27 | The thermo-oxidative degradation of acrylonitrile-butadiene-styrene copolymers during processing as studied by chemiluminescence. <i>Journal of Applied Polymer Science</i> , 1992, 45, 1229-1237. | 1.3 | 4 |
| 28 | Hybrid polymer composites reinforced by layered silicate and laser synthesized nanocarbons. <i>Applied Surface Science</i> , 2007, 254, 1032-1036. | 3.1 | 3 |
| 29 | Titania Modified Layered Silicate for Polymer/Inorganic Nanocomposites. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 483, 258-265. | 0.4 | 3 |
| 30 | A Chemiluminescence Study of the Thermo-oxidative Degradation of Copolymers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1991, 15, 187-195. | 1.8 | 1 |
| 31 | The Effect of SEBS/Halloysite Masterbatch Obtained in Different Extrusion Conditions on the Properties of Hybrid Polypropylene/Glass Fiber Composites for Auto Parts. <i>Polymers</i> , 2021, 13, 3560. | 2.0 | 1 |
| 32 | Nanomaterials in biomedical applications. , 2011, , . | | 0 |
| 33 | Mechanical properties of polypropylene nano-composites: An investigation about the correlation with space charge measurements. , 2011, , . | | 0 |
| 34 | Evolution FP7 funded project: body structure design strategies using new composite and aluminium materials and enabled technologies. <i>International Journal of Automotive Composites</i> , 2017, 3, 251. | 0.1 | 0 |
| 35 | The Nanomechanical and Tribological Properties of Polyamide/Hydroxycalcite Nanocomposites. <i>Proceedings (mdpi)</i> , 2019, 29, . | 0.2 | 0 |
| 36 | Waste Electrical and Electronic Equipment Processing as Thermoplastic Composites. <i>Proceedings (mdpi)</i> , 2020, 57, 58. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 37 | The Effect of Graphene Nanoplatelets on the Properties of Hybrid Polyamide/Glass Fiber Composites. , 2022, 7, . | | 0 |